



TECHNICAL MEMORANDUM

Date: January 13, 2021
To: SWCA Environmental Consultants
From: Kurt Legleiter, Principal
Project: San Luis Obispo Airport Hotels Project
Subject: Emissions Modeling Report

This memorandum provides a summary of the emissions modeling conducted for the proposed San Luis Obispo Airport Hotels Project. A summary of air quality and greenhouse gas (GHG) emissions modeling methodologies and results are provided below. Emissions modeling assumptions and output files are included as an appendix to this memorandum.

AIR QUALITY AND GREENHOUSE GAS QUANTIFICATION METHODOLOGY

Short-term Construction

Short-term construction emissions associated with the proposed project were calculated using the California Emission Estimator Model (CalEEMod), version 2016.3.2, computer program. Emissions were quantified based on the default construction schedules, equipment use, and construction vehicle trips contained in the model. Off-site mobile-source emissions were adjusted to account for the SAFE vehicle rule. Emissions were quantified with and without implementation of fugitive dust control measures. For informational purposes, emissions were also quantified assuming the use of newer Tier 3 off-road construction equipment. Emissions associated with the application of architectural coatings assumes the use of low-VOC content (50 g/L, or less) architectural paints. To be conservative, estimated highest daily construction emissions assume that building construction, paving, and architectural coating application could potentially occur on the same day. Construction emissions modeling assumptions are summarized in Table 1.

Table 1. Summary of Construction Modeling Assumptions

CONSTRUCTION START DATE	APRIL 2022
AMOUNT OF FILL TO BE IMPORTED/EXPORTED	8,900/10,000 CUBIC YARDS
TOTAL SITE ACREAGE	5.04 ACRES
TOTAL AREA TO BE PAVED	1.8 ACRES
NUMBER OF PARKING SPACES	214
HOTEL BUILDING SQUARE FOOTAGE	125,200
NUMBER OF HOTEL GUEST ROOMS	204

Long-term Operations

Long-term operational emissions were also calculated using the CalEEMod computer program. Modeling was conducted based on a daily vehicle trip-generation rate of 8.36 trips/room derived from the multi-modal traffic analysis prepared for this project (W-Trans 2020).¹ An average trip distance of 8.3 miles was assumed, derived from the vehicle miles traveled

¹ W-Trans. May 18, 2020. *Multimodal Transportation Impact Study for the SLO Airport Hotels Project.*



(VMT) analysis prepared for the project (GHD 2020).² Mobile-source emissions were adjusted to account for the SAFE vehicle rule and incorporation of proposed on-site pedestrian improvements. Mobile-source emissions were quantified with and without incorporation of the proposed Transportation Demand Management program, which would result in an estimated reduction of approximately 48 daily trips, which equates to an estimated trip reduction of 3%.

The CalEEMod computer program is based on the 2016 building and energy-efficiency standards. These standards were most recently updated in 2018, which took effect January 2019. In comparison to the 2016 standards, these newer standards are projected to achieve additional reductions in energy use of approximately 30 percent for nonresidential buildings (CEC 2018).³ Anticipated reductions in energy use associated with the newer building code are predominantly associated with increases in energy-efficient lighting requirements. The use of water-efficient irrigation systems, water-efficient building fixtures, and energy-efficient appliances is also required by the California building code. Operational emissions were quantified to include reductions in energy and water use, consistent with current building standards. Utility intensity factors were adjusted to reflect compliance with the State's renewable portfolio standards. GHG emissions associated with exterior water use was based on the project's estimated MAWA of 746,972 gallons/year. GHG emissions associated with solid waste assumed a waste diversion rate of 50% for opening year 2023 conditions and 75% for future year 2030 conditions. All other assumptions were based on modelled defaults from CalEEMod. Estimated operational GHG emissions for year 2030 conditions, per service population (SP), were calculated based on an average of 25 employees for comparison to the City's GHG threshold of significance.

SUMMARY OF EMISSIONS MODELING RESULTS

Short-Term Construction

Construction generated emissions, without implementation of fugitive dust control measures, are summarized in Tables 1 through 3. As shown, estimated daily and quarterly construction emissions would not exceed SLOAPCD's recommended thresholds of significance.

Annual construction-generated GHG emissions are summarized in Table 4. Amortized construction-generated emissions, assuming a project life of 25 years, was also quantified in accordance with SLOAPCD-recommended guidance. Amortized construction emissions were included with total operational GHG emissions estimated for the project.

Long-Term Operations

Daily and annual operational emissions of criteria air pollutants and GHGs for opening year conditions are summarized in Tables 5 and 6, respectively. Annual operational emissions for future year 2030 conditions are summarized in Table 7. Operational emissions of criteria air pollutants would not exceed SLOAPCD's recommended thresholds of significance. However, operational emissions for year 2030 would exceed the City's GHG threshold of 0.7 MTCO_{2e}/SP. Based on the modeling conducted for year 2030 operational conditions, the project would need to offset annual emissions of 1,367.9 MTCO_{2e} to meet the City's GHG threshold of 0.7 MTCO_{2e}/SP.

² GHD. December 2, 2020. *950 Aerio Hotel VMT Analysis*.

³ California Energy Commission (CEC). May 9, 2018. *Energy Commission Adopts Standards Requiring Solar Systems for New Homes, First in Nation*. Available at website url: <https://www.energy.ca.gov/news/2018-05/energy-commission-adopts-standards-requiring-solar-systems-new-homes-first>.



TABLE 1. UNCONTROLLED DAILY CONSTRUCTION EMISSIONS – SUMMER CONDITIONS

CONSTRUCTION PHASE	CONSTRUCTION EMISSIONS (LBS/DAY)										
	ROG	NO _x	ROG+NO _x	CO	SO _x	PM ₁₀			PM _{2.5}		
						FUG.	EXH.	TOTAL	FUG.	EXH.	TOTAL
GRADING - ONSITE	1.95	20.86	22.80	15.27	0.03	6.29	0.94	7.23	3.34	0.87	4.20
GRADING - OFFSITE	0.50	15.63	16.13	4.13	0.05	1.18	0.06	1.24	0.32	0.06	0.38
GRADING - TOTAL	2.45	36.49	38.93	19.41	0.08	7.47	1.00	8.47	3.66	0.93	4.59
BUILDING 2022 - ONSITE	1.71	15.62	17.32	16.36	0.03	0.00	0.81	0.81	0.00	0.76	0.76
BUILDING 2022 - OFFSITE	0.43	3.40	3.83	3.47	0.01	1.04	0.01	1.06	0.28	0.01	0.29
BUILDING 2022 - TOTAL	2.13	19.02	21.15	19.84	0.04	1.04	0.82	1.86	0.28	0.77	1.05
BUILDING 2023 - ONSITE	1.57	14.38	15.96	16.24	0.03	0.00	0.70	0.70	0.00	0.66	0.66
BUILDING 2023 - OFFSITE	0.39	2.83	3.21	3.15	0.01	1.04	0.01	1.05	0.28	0.01	0.29
BUILDING 2023 - TOTAL	1.96	17.21	19.17	19.40	0.04	1.04	0.71	1.75	0.28	0.67	0.95
PAVING - ONSITE	1.27	10.19	11.46	14.58	0.02	0.00	0.51	0.51	0.00	0.47	0.47
PAVING - OFFSITE	0.05	0.04	0.09	0.41	0.00	0.15	0.00	0.15	0.04	0.00	0.04
PAVING - TOTAL	1.32	10.23	11.55	14.99	0.02	0.15	0.51	0.66	0.04	0.47	0.51
ARCH COATING - ONSITE	30.99	1.30	32.30	1.81	0.00	0.00	0.07	0.07	0.00	0.07	0.07
ARCH COATING - OFFSITE	0.06	0.05	0.11	0.49	0.00	0.18	0.00	0.18	0.05	0.00	0.05
ARCH COATING - TOTAL	31.06	1.35	32.40	2.30	0.00	0.18	0.07	0.25	0.05	0.07	0.12
BUILDING, PAVING, ARCH COATING TOTAL:	34.51	30.60	65.11	37.13	0.07	1.37	1.41	2.77	0.37	1.32	1.68
HIGHEST DAILY EMISSIONS:	34.51	36.49	65.11	37.13	0.08	7.47	1.41	8.47	3.66	1.32	4.59
SLOAPCD SIGNIFICANCE THRESHOLDS:			137				7				

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Does not include fugitive dust controls.

Based on CalEEMod default off-road vehicle fleet.

Highest daily emissions assumes arch. coating, paving, and building construction could potentially occur on the same day.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.



TABLE 2. UNCONTROLLED DAILY CONSTRUCTION EMISSIONS – WINTER CONDITIONS

CONSTRUCTION PHASE	CONSTRUCTION EMISSIONS (LBS/DAY)										
	ROG	NO _x	ROG+NO _x	CO	SO _x	PM ₁₀			PM _{2.5}		
						FUG.	EXH.	TOTAL	FUG.	EXH.	TOTAL
GRADING - ONSITE	1.95	20.86	22.80	15.27	0.03	6.37	0.94	7.32	3.35	0.87	4.22
GRADING - OFFSITE	0.52	15.71	16.23	4.34	0.05	1.18	0.06	1.24	0.32	0.06	0.38
GRADING - TOTAL	2.47	36.57	39.04	19.62	0.08	7.55	1.01	8.56	3.67	0.93	4.60
BUILDING 2022 - ONSITE	1.71	15.62	17.32	16.36	0.03	0.00	0.81	0.81	0.00	0.76	0.76
BUILDING 2022 - OFFSITE	0.48	3.41	3.90	3.50	0.01	1.04	0.01	1.06	0.28	0.01	0.29
BUILDING 2022 - TOTAL	2.19	19.03	21.22	19.87	0.04	1.04	0.82	1.87	0.28	0.77	1.05
BUILDING 2023 - ONSITE	1.57	14.38	15.96	16.24	0.03	0.00	0.70	0.70	0.00	0.66	0.66
BUILDING 2023 - OFFSITE	0.44	2.84	3.28	3.16	0.01	1.04	0.01	1.05	0.28	0.01	0.29
BUILDING 2023 - TOTAL	2.01	17.22	19.23	19.40	0.04	1.04	0.71	1.75	0.28	0.67	0.95
PAVING - ONSITE	1.27	10.19	11.46	14.58	0.02	0.00	0.51	0.51	0.00	0.47	0.47
PAVING - OFFSITE	0.06	0.04	0.10	0.39	0.00	0.15	0.00	0.15	0.04	0.00	0.04
PAVING - TOTAL	1.33	10.24	11.56	14.98	0.02	0.15	0.51	0.66	0.04	0.47	0.51
ARCH COATING - ONSITE	30.99	1.30	32.30	1.81	0.00	0.00	0.07	0.07	0.00	0.07	0.07
ARCH COATING - OFFSITE	0.07	0.05	0.13	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05
ARCH COATING - TOTAL	31.06	1.36	32.42	2.28	0.00	0.18	0.07	0.25	0.05	0.07	0.12
BUILDING 2023, PAVING, ARCH COATING TOTAL:	34.40	28.81	63.22	36.66	0.07	1.37	1.29	2.66	0.37	1.21	1.58
HIGHEST DAILY EMISSIONS:	34.40	36.57	63.22	36.66	0.08	7.55	1.29	8.56	3.67	1.21	4.60
SLOAPCD SIGNIFICANCE THRESHOLDS:			137				7				

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Does not include fugitive dust controls.

Based on CalEEMod default off-road vehicle fleet.

Highest daily emissions assumes arch. coating, paving, and building construction could potentially occur on the same day.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.



TABLE 3. UNCONTROLLED QUARTERLY CONSTRUCTION EMISSIONS

CONSTRUCTION QUARTER/ACTIVITY	CONSTRUCTION EMISSIONS (TONS/QTR)											
	ROG	NO _x	ROG+NO _x	CO	SO _x	PM ₁₀			PM _{2.5}			
						FUG.	EXH.	TOTAL	FUG.	EXH.	TOTAL	
2022 Q2 (APR-JUN)												
GRADING	0.05	0.73	0.78	0.39	0.00	0.15	0.02	0.17	0.07	0.02	0.09	
2022 Q3 (JUL-SEP)												
BUILDING	0.07	0.63	0.70	0.65	0.00	0.03	0.03	0.06	0.01	0.03	0.03	
2022 Q4 (OCT-DEC)												
BUILDING	0.07	0.63	0.70	0.66	0.00	0.03	0.03	0.06	0.01	0.03	0.03	
2023 Q1 (JAN-MAR)												
BUILDING	0.07	0.57	0.63	0.64	0.00	0.03	0.02	0.06	0.01	0.02	0.03	
2023 Q2 (MAR-JUN)												
BUILDING	0.03	0.28	0.31	0.31	0.00	0.02	0.01	0.03	0.00	0.01	0.02	
PAVING	0.01	0.10	0.12	0.15	0.00	0.00	0.01	0.01	0.00	0.00	0.01	
ARCH COATING	0.31	0.01	0.32	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL 2023 Q2	0.36	0.39	0.75	0.48	0.00	0.02	0.02	0.04	0.01	0.02	0.02	
HIGHEST QUARTERLY EMISSIONS	0.36	0.73	0.78	0.66	0.00	0.15	0.03	0.17	0.07	0.03	0.09	
SLOAPCD SIGNIFICANCE THRESHOLDS:			2.5			2.5	0.13					

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Does not include fugitive dust controls.

Based on default off-road vehicle fleet.

Highest quarterly emissions assumes arch. coating, paving, and building construction activities could potentially overlap during one quarter.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.



TABLE 4. CONSTRUCTION GHG EMISSIONS

CONSTRUCTION YEAR/ACTIVITY	GHG EMISSIONS (MTCO ₂ e)			
	CO ₂	CH ₄	N ₂ O	MTCO ₂ e
2022				
GRADING ONSITE	52.11	0.02	0.00	52.53
GRADING OFFSITE	92.01	0.01	0.00	92.14
BUILDING 2022 ONSITE	195.81	0.05	0.00	196.98
BUILDING 2022 OFFSITE	113.83	0.00	0.00	113.95
2023				
BUILDING 2023 ONSITE	70.70	0.02	0.00	71.12
BUILDING 2023 OFFSITE	40.34	0.00	0.00	40.38
PAVING ONSITE	20.03	0.01	0.00	20.19
PAVING OFFSITE	1.10	0.00	0.00	1.11
ARCH COATING ONSITE	2.55	0.00	0.00	2.56
ARCH COATING OFFSITE	1.33	0.00	0.00	1.33
TOTAL 2022:				455.60
TOTAL 2023:				136.68
TOTAL CONSTRUCTION:				592.28
AMORTIZATION PERIOD (YEARS):				25
AMORTIZED CONSTRUCTION:				23.69

Note: Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.



TABLE 5. DAILY OPERATIONAL EMISSIONS

SEASON/SOURCE	DAILY OPERATIONAL EMISSIONS (LBS/DAY)											
	ROG	NO _x	ROG+NO _x	CO	SO _x	PM ₁₀			PM _{2.5}			
						FUG.	EXH.	TOTAL	FUG.	EXH.	TOTAL	
SUMMER												
AREA	3.52	0.00	3.52	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENERGY W/ENERGY EFF. APPLIANCES	0.16	1.49	1.65	1.25	0.01	0.00	0.11	0.11	0.00	0.11	0.11	0.11
ENERGY ADJUSTED FOR 2019 BLDG. CODE	0.11	1.04	1.16	0.88	0.01	0.00	0.08	0.08	0.00	0.08	0.08	0.08
MOBILE (W/PED. CONNECTIONS)	2.55	8.70	11.25	24.97	0.08	7.10	0.07	7.17	1.90	0.06	1.96	1.96
MOBILE ADJUSTED FOR TDM	2.47	8.44	10.91	24.22	0.07	6.89	0.07	6.96	1.84	0.06	1.90	1.90
TOTAL WITHOUT TDM	6.35	11.23	17.58	27.14	0.09	7.10	0.26	7.36	1.90	0.26	2.15	2.15
TOTAL WITH TDM	6.16	9.93	16.08	25.51	0.08	6.89	0.18	7.07	1.84	0.18	2.02	2.02
SLOAPCD SIGNIFICANCE THRESHOLDS:			25	550		25	1.25					
WINTER												
AREA	3.52	0.00	3.52	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENERGY W/ENERGY EFF. APPLIANCES	0.16	1.49	1.65	1.25	0.01	0.00	0.11	0.11	0.00	0.11	0.11	0.11
ENERGY ADJUSTED FOR 2019 BLDG. CODE	0.11	1.04	1.16	0.88	0.01	0.00	0.08	0.08	0.00	0.08	0.08	0.08
MOBILE (W/PED. CONNECTIONS)	2.45	9.00	11.45	25.77	0.07	7.10	0.07	7.17	1.90	0.06	1.96	1.96
MOBILE ADJUSTED FOR TDM	2.38	8.73	11.10	25.00	0.07	6.89	0.07	6.96	1.84	0.06	1.90	1.90
TOTAL WITHOUT TDM	6.09	10.04	16.12	26.69	0.08	7.10	0.15	7.25	1.90	0.14	2.04	2.04
TOTAL WITH TDM	6.01	9.77	15.78	25.92	0.08	6.89	0.15	7.04	1.84	0.14	1.98	1.98
SLOAPCD SIGNIFICANCE THRESHOLDS:			25	550		25	1.25					

Notes:

Mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Energy use includes installation of energy-efficient appliances. Includes adjustments to account for current building and renewables portfolio standards.

Mobile-source emissions include proposed pedestrian connections. Mobile-source emissions were adjusted to account for implementation of proposed TDM program.

Water transmission and conveyance includes installation of water-efficient irrigation systems and low-flow water fixtures.

Waste includes minimum diversion rate of 50% for existing conditions.



TABLE 6. ANNUAL OPERATIONAL EMISSIONS – YEAR 2023

SOURCE	ANNUAL OPERATIONAL EMISSIONS (TONS/YR)											
	ROG	NO _x	ROG+NO _x	CO	SO _x	PM ₁₀			PM _{2.5}			MTCO _{2e}
						FUG.	EXH.	TOTAL	FUG.	EXH.	TOTAL	
AREA	0.64	0.00	0.64	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
ENERGY W/ENERGY EFF. APPLIANCES	0.03	0.27	0.30	0.23	0.00	0.00	0.02	0.02	0.00	0.02	0.02	490.13
ENERGY ADJUSTED FOR 2019 BLDG. CODE	0.02	0.19	0.21	0.16	0.00	0.00	0.01	0.01	0.00	0.01	0.01	343.09
MOBILE (W/PED. CONNECTIONS)	0.44	1.64	2.08	4.59	0.01	1.26	0.01	1.27	0.34	0.01	0.35	1,255.85
MOBILE ADJUSTED FOR TDM	0.42	1.59	2.01	4.45	0.01	1.22	0.01	1.23	0.33	0.01	0.34	1,218.17
WASTE W/50% DIVERSION RATE												28.08
WATER W/WATER EFF. FIXTURES												10.10
TOTAL WITHOUT TDM:	1.10	1.83	2.93	4.76	0.01	1.26	0.03	1.29	0.34	0.03	0.36	1,598.95
TOTAL WITH TDM:	1.09	1.78	2.87	4.62	0.01	1.22	0.03	1.25	0.33	0.03	0.35	1,561.28
SLOAPCD SIGNIFICANCE THRESHOLDS:			25			25						

Notes:

Mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Energy use includes installation of energy-efficient appliances. Includes adjustments to account for current building and renewables portfolio standards.

Mobile-source emissions include proposed pedestrian connections. Mobile-source emissions were adjusted to account for implementation of proposed TDM program.

Water transmission and conveyance includes installation of water-efficient irrigation systems and low-flow water fixtures.

Waste includes minimum diversion rate of 50% for existing conditions.



TABLE 7. ANNUAL OPERATIONAL EMISSIONS – YEAR 2030

SOURCE	ANNUAL OPERATIONAL EMISSIONS (TONS/YR)											MTCO _{2e}
	ROG	NO _x	ROG+NO _x	CO	SO _x	PM ₁₀			PM _{2.5}			
						FUG.	EXH.	TOTAL	FUG.	EXH.	TOTAL	
AREA	0.64	0.00	0.64	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
ENERGY W/ENERGY EFF. APPLIANCES	0.03	0.27	0.30	0.23	0.00	0.00	0.02	0.02	0.00	0.02	0.02	428.78
ENERGY ADJUSTED FOR 2019 BLDG. CODE	0.02	0.19	0.21	0.16	0.00	0.00	0.01	0.01	0.00	0.01	0.01	300.15
MOBILE W/PED. CONNECTIONS	0.28	1.13	1.41	2.88	0.01	1.26	0.01	1.26	0.34	0.01	0.34	1,094.36
MOBILE ADJUSTED FOR TDM	0.27	1.09	1.37	2.79	0.01	1.22	0.01	1.23	0.33	0.01	0.33	1,061.53
WASTE W/75% DIVERSION RATE												14.04
WATER W/WATER EFF. FIXTURES												8.68
TOTAL WITHOUT TDM:	0.94	1.32	2.26	3.04	0.01	1.26	0.02	1.28	0.34	0.02	0.36	1,394.5
TOTAL WITH TDM:	0.94	1.28	2.22	2.96	0.01	1.22	0.02	1.24	0.33	0.02	0.35	1,361.7
AMORTIZED CONST EMISSIONS:												23.7
TOTAL WITH AMORTIZED CONST/WITHOUT TDM:												1,418.2
TOTAL WITH AMORTIZED CONST & TDM:												1,385.4
SERVICE POPULATION (SP):												25
MTCO_{2e}/SP:												55.4
CAP THRESHOLD:												0.7
REDUCTION REQUIRED TO MEET THRESHOLD (MTCO_{2e}):												1,367.9
REDUCTION REQUIRED TO MEET THRESHOLD (MTCO_{2e}/SP):												54.7

Notes:

Mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Energy use includes installation of energy-efficient appliances. Energy use was adjusted to account for current building code compliance and renewables portfolio standard.

Mobile-source emissions include proposed pedestrian connections. Mobile-source emissions were adjusted to account for implementation of proposed TDM program.

Water transmission and conveyance includes installation of water-efficient irrigation systems and low-flow water fixtures.

Waste includes State's target diversion rate of 75% by year 2030.



Appendix A Emissions Modeling

EMISSIONS MODELING ASSUMPTIONS

CONSTRUCTION

Construction Start Date:	2022 Q2	
Construction Activities, Periods, Equipment, Vehicle Trips, Area of Disturbance	CalEEMod Defaults	
	<i>Exported</i>	<i>Imported</i>
Amount of Material to be Exported/Imported (cyds):	10,000 CY	8,900 CY
Total Building Floor Area to be Demolished (SF):	none	
If "yes", has naturally-occurring asbestos been identified at the project site?	unknown	

PROPOSED LAND USE/OPERATIONAL DATA

Opening Year:	2023	
Total Project Site Area (Acres):	5.04	acreage)
Total Building Floor Area to be Constructed (SF):	204	GUEST ROOMS
	125200	SQFT
	3.24	
	371	#GUESTS
Total Surface Area to be Paved:	1.8	PARKING ACRES
	214	PARKING SPACES

Project Amenities/Features	Bicycle Parking - Short-/Long-Term (refer to TDM below)
	Employee Showers & Lockers (refer to TDM below)
	Clean Air Vehicle/Vanpool Parking (refer to TDM below)
	Pedestrian Connections On-/Off-Site (included in CalEEMod)
	Use of Prefinished/Colorized Ext Const Materials
	Shaded Parking (Not quantifiable)
	Water-Efficient Landscaping (included in CalEEMod)
	Low-Flow Water Fixtures (included in CalEEMod)
	Free shuttle service (refer to TDM below)
	Subsidized Employee Transit (refer to TDM below)
	Rideshare Program (refer to TDM below)

Electricity

Electricity Intensity Factors: *Central Coast Community Energy*
PG&E:39% Renewable Existing (Minimum)/60% by 2030
3CE:60% Target Renewable by 2025
3CE: 100% Target Renewable by 2030
<https://3cenergy.org/enrollment-slo-mb/>

Energy Intensity Factors (below) were adjusted based on existing PG&E rates and projected 2030 rates, with incorporation of State's RPS requirements. Does not include target reductions identified above for C3E.

EIFs	2023	2030
CO2	438.13	298.3
CH4	0.02	0.013
N2O	0.004	0.003

Current 2019 Code Compliance Adjustment: (Calculated separately)

Transportation

Distance to nearest transit station:	2.6	miles (Amtrak Station)
Daily Trips:	1822	(Based on 218 rooms)
Trip-Gen Rate:	8.36	trips/room/day (as above)
Average Trip Length:	8.3	Miles (per VMT Analysis)

Source: W-Trans 5/18/20; GHD 12/2/20

TDM Program Adjustments

Trip Reductions with TDM (Required):	-48	Daily Trips (-3%) Calc'd separately
Adjusted Daily Trips with TDM:	1774	
Adjusted Daily Trip Generation Rate with TDM:	8.14	trips/room/day

TDM Measures:

Provide bicycle parking in non-residential projects	Provide adequate, secure long-term bicycle parking for employees
Provide local shuttle service	Provide free shuttle service from hotel to downtown SLO
Provide Ride-Sharing Programs	Participate in SLO Rideshare Back-N-Forth Club
Subsidize Transit Pass for employees	Provide free or discounted transit passes to employees
Provide end-of-trip facilities	Provide shower and changing room facilities for employees

Waste

	<u>2023</u>	<u>2030</u>
Solid Waste Diversion Rate	50	75

Water

MAWA	746972
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Greenhouse Gas

Construction GHG Amortization Period:	25	Years
Estimated Number of Employees:		
per USDOE:	111	(1 employee/1124sf; City of SLO Climate Action Plan)
per SANDAG:	137	(1 employee/917sf; City of SLO Climate Action Plan)

CONSTRUCTION EMISSIONS SUMMARY - UNCONTROLLED

CONSTRUCTION PHASE	NUMBER OF DAYS	SUMMER DAILY CONSTRUCTION EMISSIONS (LBS/DAY) UNCONTROLLED										
		ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5		
							FUG	EXH	TOT	FUG	EXH	TOT
GRADING - ONSITE		1.95	20.86	22.80	15.27	0.03	6.29	0.94	7.23	3.34	0.87	4.20
GRADING - OFFSITE		0.50	15.63	16.13	4.13	0.05	1.18	0.06	1.24	0.32	0.06	0.38
GRADING - TOTAL	40	2.45	36.49	38.93	19.41	0.08	7.47	1.00	8.47	3.66	0.93	4.59
BUILDING 2022 - ONSITE		1.71	15.62	17.32	16.36	0.03	0.00	0.81	0.81	0.00	0.76	0.76
BUILDING 2022 - OFFSITE		0.43	3.40	3.83	3.47	0.01	1.04	0.01	1.06	0.28	0.01	0.29
BUILDING 2022 - TOTAL	230	2.13	19.02	21.15	19.84	0.04	1.04	0.82	1.86	0.28	0.77	1.05
BUILDING 2023 - ONSITE		1.57	14.38	15.96	16.24	0.03	0.00	0.70	0.70	0.00	0.66	0.66
BUILDING 2023 - OFFSITE		0.39	2.83	3.21	3.15	0.01	1.04	0.01	1.05	0.28	0.01	0.29
BUILDING 2023 - TOTAL		1.96	17.21	19.17	19.40	0.04	1.04	0.71	1.75	0.28	0.67	0.95
PAVING - ONSITE		1.27	10.19	11.46	14.58	0.02	0.00	0.51	0.51	0.00	0.47	0.47
PAVING - OFFSITE		0.05	0.04	0.09	0.41	0.00	0.15	0.00	0.15	0.04	0.00	0.04
PAVING - TOTAL	20	1.32	10.23	11.55	14.99	0.02	0.15	0.51	0.66	0.04	0.47	0.51
ARCH COATING - ONSITE		30.99	1.30	32.30	1.81	0.00	0.00	0.07	0.07	0.00	0.07	0.07
ARCH COATING - OFFSITE		0.06	0.05	0.11	0.49	0.00	0.18	0.00	0.18	0.05	0.00	0.05
ARCH COATING - TOTAL	20	31.06	1.35	32.40	2.30	0.00	0.18	0.07	0.25	0.05	0.07	0.12
BUILDING, PAVING, ARCH COATING TOTAL:		34.51	30.60	65.11	37.13	0.07	1.37	1.41	2.77	0.37	1.32	1.68
HIGHEST DAILY EMISSIONS:		34.51	36.49	65.11	37.13	0.08	7.47	1.41	8.47	3.66	1.32	4.59
SLOAPCD SIGNIFICANCE THRESHOLDS:				137				7				

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Does not include fugitive dust controls.

Based on default off-road vehicle fleet.

Highest daily emissions assumes arch. coating, paving, and building construction could potentially occur on the same day.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.

CONSTRUCTION PHASE	WINTER DAILY CONSTRUCTION EMISSIONS (LBS/DAY) UNCONTROLLED											
	ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5			
						FUG	EXH	TOT	FUG	EXH	TOT	
GRADING - ONSITE	1.95	20.86	22.80	15.27	0.03	6.37	0.94	7.32	3.35	0.87	4.22	
GRADING - OFFSITE	0.52	15.71	16.23	4.34	0.05	1.18	0.06	1.24	0.32	0.06	0.38	
GRADING - TOTAL	2.47	36.57	39.04	19.62	0.08	7.55	1.01	8.56	3.67	0.93	4.60	
BUILDING 2022 - ONSITE	1.71	15.62	17.32	16.36	0.03	0.00	0.81	0.81	0.00	0.76	0.76	
BUILDING 2022 - OFFSITE	0.48	3.41	3.90	3.50	0.01	1.04	0.01	1.06	0.28	0.01	0.29	
BUILDING 2022 - TOTAL	2.19	19.03	21.22	19.87	0.04	1.04	0.82	1.87	0.28	0.77	1.05	
BUILDING 2023 - ONSITE	1.57	14.38	15.96	16.24	0.03	0.00	0.70	0.70	0.00	0.66	0.66	
BUILDING 2023 - OFFSITE	0.44	2.84	3.28	3.16	0.01	1.04	0.01	1.05	0.28	0.01	0.29	
BUILDING 2023 - TOTAL	2.01	17.22	19.23	19.40	0.04	1.04	0.71	1.75	0.28	0.67	0.95	
PAVING - ONSITE	1.27	10.19	11.46	14.58	0.02	0.00	0.51	0.51	0.00	0.47	0.47	
PAVING - OFFSITE	0.06	0.04	0.10	0.39	0.00	0.15	0.00	0.15	0.04	0.00	0.04	
PAVING - TOTAL	1.33	10.24	11.56	14.98	0.02	0.15	0.51	0.66	0.04	0.47	0.51	
ARCH COATING - ONSITE	30.99	1.30	32.30	1.81	0.00	0.00	0.07	0.07	0.00	0.07	0.07	
ARCH COATING - OFFSITE	0.07	0.05	0.13	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05	
ARCH COATING - TOTAL	31.06	1.36	32.42	2.28	0.00	0.18	0.07	0.25	0.05	0.07	0.12	
BUILDING 2023, PAVING, ARCH COATING TOTAL:	34.40	28.81	63.22	36.66	0.07	1.37	1.29	2.66	0.37	1.21	1.58	
HIGHEST DAILY EMISSIONS:	34.40	36.57	63.22	36.66	0.08	7.55	1.29	8.56	3.67	1.21	4.60	
SLOAPCD SIGNIFICANCE THRESHOLDS:			137				7					

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Does not include fugitive dust controls.

Based on default off-road vehicle fleet.

Highest daily emissions assumes arch. coating, paving, and building construction could potentially occur on the same day.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.

CONSTRUCTION QUARTER	DAYS	QUARTERLY CONSTRUCTION EMISSIONS (TONS/QTR) UNCONTROLLED											
		ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5			
							FUG	EXH	TOT	FUG	EXH	TOT	
2022 Q2 (APR-JUN)	GRADING	40	0.05	0.73	0.78	0.39	0.00	0.15	0.02	0.17	0.07	0.02	0.09
2022 Q3 (JUL-SEP)	BUILDING	66	0.07	0.63	0.70	0.65	0.00	0.03	0.03	0.06	0.01	0.03	0.03
2022 Q4 (OCT-DEC)	BUILDING	66	0.07	0.63	0.70	0.66	0.00	0.03	0.03	0.06	0.01	0.03	0.03
2023 Q1 (JAN-MAR)	BUILDING	66	0.07	0.57	0.63	0.64	0.00	0.03	0.02	0.06	0.01	0.02	0.03
2023 Q2 (MAR-JUN)	BUILDING	32	0.03	0.28	0.31	0.31	0.00	0.02	0.01	0.03	0.00	0.01	0.02
	PAVING	20	0.01	0.10	0.12	0.15	0.00	0.00	0.01	0.01	0.00	0.00	0.01
	ARCH COATING	20	0.31	0.01	0.32	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				0.36	0.39	0.75	0.48	0.00	0.02	0.02	0.04	0.01	0.02
HIGHEST QUARTERLY EMISSIONS:			0.36	0.73	0.78	0.66	0.00	0.15	0.03	0.17	0.07	0.03	0.09
SLOAPCD SIGNIFICANCE THRESHOLDS:					2.5			2.5	0.13				

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Does not include fugitive dust controls.

Based on default off-road vehicle fleet.

Highest quarterly emissions assumes arch. coating, paving, and building construction activities could potentially overlap during one quarter.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.

CONSTRUCTION EMISSIONS SUMMARY - CONTROLLED

CONSTRUCTION PHASE	NUMBER OF DAYS	SUMMER DAILY CONSTRUCTION EMISSIONS (LBS/DAY) CONTROLLED										
		ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5		
							FUG	EXH	TOT	FUG	EXH	TOT
GRADING - ONSITE		0.73	14.84	20.86	18.99	0.03	2.45	0.76	3.21	1.30	0.76	2.06
GRADING - OFFSITE		0.50	15.63	15.71	4.13	0.05	1.18	0.06	1.24	0.32	0.06	0.38
GRADING - TOTAL	40	1.23	30.47	36.57	23.12	0.08	3.63	0.82	4.45	1.62	0.82	2.44
BUILDING 2022 - ONSITE		0.67	14.23	15.62	17.87	0.03	0.00	0.90	0.90	0.00	0.90	0.90
BUILDING 2022 - OFFSITE		0.43	3.40	3.41	3.47	0.01	1.04	0.01	1.06	0.28	0.01	0.29
BUILDING 2022 - TOTAL	230	1.10	17.63	19.03	21.35	0.04	1.04	0.92	1.96	0.28	0.92	1.20
BUILDING 2023 - ONSITE		0.67	14.23	14.38	17.87	0.03	0.00	0.90	0.90	0.00	0.90	0.90
BUILDING 2023 - OFFSITE		0.39	2.83	2.84	3.15	0.01	1.04	0.01	1.05	0.28	0.01	0.29
BUILDING 2023 - TOTAL		1.06	17.05	17.22	21.03	0.04	1.04	0.91	1.96	0.28	0.91	1.19
PAVING - ONSITE		0.80	11.30	10.19	17.30	0.02	0.00	0.61	0.61	0.00	0.61	0.61
PAVING - OFFSITE		0.05	0.04	0.04	0.41	0.00	0.15	0.00	0.15	0.04	0.00	0.04
PAVING - TOTAL	20	0.85	11.33	10.24	17.70	0.02	0.15	0.61	0.76	0.04	0.61	0.65
ARCH COATING - ONSITE		30.86	1.36	1.30	1.83	0.00	0.00	0.10	0.10	0.00	0.10	0.10
ARCH COATING - OFFSITE		0.06	0.05	0.05	0.48	0.00	0.18	0.00	0.18	0.05	0.00	0.05
ARCH COATING - TOTAL	20	30.92	1.40	1.36	2.31	0.00	0.18	0.10	0.27	0.05	0.10	0.14
BUILDING 2023, PAVING, ARCH COATING TOTAL:		32.83	29.79	28.81	41.04	0.07	1.37	1.62	2.99	0.37	1.62	1.98
HIGHEST DAILY EMISSIONS:		32.83	30.47	36.57	41.04	0.08	3.63	1.62	4.45	1.62	1.62	2.44
SLOAPCD SIGNIFICANCE THRESHOLDS:				137				7				

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Fugitive dust controls includes watering onsite construction-vehicle travel ways and graded surfaces, on-site speed limited to 15 mph.

Includes use of Tier 3 heavy-duty off-road equipment included for informational purposes.

Highest daily emissions assumes arch. coating, paving, and building construction could potentially occur on the same day.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.

CONSTRUCTION PHASE	WINTER DAILY CONSTRUCTION EMISSIONS (LBS/DAY) CONTROLLED											
	ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5			
						FUG	EXH	TOT	FUG	EXH	TOT	
GRADING - ONSITE	0.73	14.84	20.86	18.99	0.03	2.49	0.76	3.24	1.31	0.76	2.06	
GRADING - OFFSITE	0.52	15.71	15.71	4.34	0.05	1.18	0.06	1.24	0.32	0.06	0.38	
GRADING - TOTAL	1.25	30.55	36.57	23.34	0.08	3.67	0.82	4.49	1.63	0.82	2.44	
BUILDING 2022 - ONSITE	0.67	14.23	15.62	17.87	0.03	0.00	0.90	0.90	0.00	0.90	0.90	
BUILDING 2022 - OFFSITE	0.48	3.41	3.41	3.50	0.01	1.04	0.01	1.06	0.28	0.01	0.29	
BUILDING 2022 - TOTAL	1.16	17.64	19.03	21.38	0.04	1.04	0.92	1.96	0.28	0.92	1.20	
BUILDING 2023 - ONSITE	0.67	14.23	14.38	17.87	0.03	0.00	0.90	0.90	0.00	0.90	0.90	
BUILDING 2023 - OFFSITE	0.44	2.84	2.84	3.16	0.01	1.04	0.01	1.05	0.28	0.01	0.29	
BUILDING 2023 - TOTAL	1.11	17.06	17.22	21.03	0.04	1.04	0.91	1.96	0.28	0.91	1.19	
PAVING - ONSITE	0.80	11.30	10.19	17.30	0.02	0.00	0.61	0.61	0.00	0.61	0.61	
PAVING - OFFSITE	0.06	0.04	0.04	0.39	0.00	0.15	0.00	0.15	0.04	0.00	0.04	
PAVING - TOTAL	0.86	11.34	10.24	17.69	0.02	0.15	0.61	0.76	0.04	0.61	0.65	
ARCH COATING - ONSITE	30.86	1.36	1.30	1.83	0.00	0.00	0.10	0.10	0.00	0.10	0.10	
ARCH COATING - OFFSITE	0.07	0.05	0.05	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05	
ARCH COATING - TOTAL	30.93	1.41	1.36	2.30	0.00	0.18	0.10	0.27	0.05	0.10	0.14	
BUILDING 2023, PAVING, ARCH COATING	32.90	29.81	28.81	41.02	0.07	1.37	1.62	2.99	0.37	1.62	1.98	
HIGHEST DAILY EMISSIONS:	32.90	30.55	36.57	41.02	0.08	3.67	1.62	4.49	1.63	1.62	2.44	
SLOAPCD SIGNIFICANCE THRESHOLDS:			137				7					

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Fugitive dust controls includes watering onsite construction-vehicle travel ways and graded surfaces, on-site speed limited to 15 mph.

Includes use of Tier 3 heavy-duty off-road equipment included for informational purposes.

Highest daily emissions assumes arch. coating, paving, and building construction could potentially occur on the same day.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.

CONSTRUCTION QUARTER	DAYS	QUARTERLY CONSTRUCTION EMISSIONS (TONS/QTR) CONTROLLED											
		ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5			
							FUG	EXH	TOT	FUG	EXH	TOT	
2022 Q2 (APR-JUN)	GRADING	40	0.02	0.61	0.63	0.46	0.00	0.07	0.02	0.09	0.03	0.02	0.05
2022 Q3 (JUL-SEP)	BUILDING	66	0.04	0.58	0.62	0.70	0.00	0.03	0.03	0.06	0.01	0.03	0.04
2022 Q4 (OCT-DEC)	BUILDING	66	0.04	0.58	0.62	0.71	0.00	0.03	0.03	0.06	0.01	0.03	0.04
2023 Q1 (JAN-MAR)	BUILDING	66	0.04	0.56	0.60	0.69	0.00	0.03	0.03	0.06	0.01	0.03	0.04
2024 Q2 (MAR-JUN)	BUILDING	32	0.02	0.27	0.29	0.34	0.00	0.02	0.01	0.03	0.00	0.01	0.02
	PAVING	20	0.01	0.11	0.12	0.18	0.00	0.00	0.01	0.01	0.00	0.01	0.01
	ARCH COATING	20	0.31	0.01	0.32	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.34	0.40	0.74	0.54	0.00	0.02	0.02	0.04	0.01	0.02	0.03
HIGHEST QUARTERLY EMISSIONS:			0.34	0.61	0.74	0.71	0.00	0.07	0.03	0.09	0.03	0.03	0.05
SLOAPCD SIGNIFICANCE THRESHOLDS:					2.5			2.5	0.13				

Notes:

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Fugitive dust controls includes watering onsite construction-vehicle travel ways and graded surfaces, on-site speed limited to 15 mph.

Includes use of Tier 3 heavy-duty off-road equipment included for informational purposes.

Highest quarterly emissions assumes arch. coating, paving, and building construction activities could potentially overlap during one quarter.

Architectural coating includes the use of low-VOC content architectural paints with VOC content of 50 g/L, or less.

CONSTRUCTION GHG EMISSIONS SUMMARY

CONSTRUCTION YEAR	GHG EMISSIONS (MTCO2e)			
	CO2	CH4	N2O	CO2e
2022				
GRADING ONSITE	52.11	0.02	0.00	52.53
GRADING OFFSITE	92.01	0.01	0.00	92.14
BUILDING 2022 ONSITE	195.81	0.05	0.00	196.98
BUILDING 2022 OFFSITE	113.83	0.00	0.00	113.95
2023				
BUILDING 2023 ONSITE	70.70	0.02	0.00	71.12
BUILDING 2023 OFFSITE	40.34	0.00	0.00	40.38
PAVING ONSITE	20.03	0.01	0.00	20.19
PAVING OFFSITE	1.10	0.00	0.00	1.11
ARCH COATING ONSITE	2.55	0.00	0.00	2.56
ARCH COATING OFFSITE	1.33	0.00	0.00	1.33
	TOTAL 2022:			455.6
	TOTAL 2023:			136.7
	TOTAL CONSTRUCTION:			592.3
	AMORTIZATION PERIOD (YEARS):			25
	AMORTIZED CONSTRUCTION:			23.7

Off-site mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

OPERATIONAL EMISSIONS SUMMARY

SEASON/SOURCE	DAILY OPERATIONAL EMISSIONS (LBS/DAY)												CO2	CH4	N2O	CO2E
	ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5							
						FUG	EXH	TOT	FUG	EXH	TOT					
SUMMER																
AREA	3.52	0.00	3.52	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
ENERGY W/ENERGY EFF. APPLIANCES	0.16	1.49	1.65	1.25	0.01	0.00	0.11	0.11	0.00	0.11	0.11	0.11				
ENERGY ADJUSTED FOR 2019 CODE	0.11	1.04	1.16	0.88	0.01	0.00	0.08	0.08	0.00	0.08	0.08	0.08				
MOBILE (W/PED CONNECTIONS)	2.55	8.70	11.25	24.97	0.08	7.10	0.07	7.17	1.90	0.06	1.96	1.96				
MOBILE ADJUSTED FOR TDM	2.47	8.44	10.91	24.22	0.07	6.89	0.07	6.96	1.84	0.06	1.90	1.90				
TOTAL WITHOUT TDM	6.35	11.23	17.58	27.14	0.09	7.10	0.26	7.36	1.90	0.26	2.15	2.15				
TOTAL WITH TDM	6.16	9.93	16.08	25.51	0.08	6.89	0.18	7.07	1.84	0.18	2.02	2.02				
SLOAPCD SIGNIFICANCE THRESHOLDS:			25	550		25	1.25									
WINTER																
AREA	3.52	0.00	3.52	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
ENERGY W/ENERGY EFF. APPLIANCES	0.16	1.49	1.65	1.25	0.01	0.00	0.11	0.11	0.00	0.11	0.11	0.11				
ENERGY ADJUSTED FOR 2019 CODE	0.11	1.04	1.16	0.88	0.01	0.00	0.08	0.08	0.00	0.08	0.08	0.08				
MOBILE (W/PED CONNECTIONS)	2.45	9.00	11.45	25.77	0.07	7.10	0.07	7.17	1.90	0.06	1.96	1.96				
MOBILE ADJUSTED FOR TDM	2.38	8.73	11.10	25.00	0.07	6.89	0.07	6.96	1.84	0.06	1.90	1.90				
TOTAL WITHOUT TDM	6.09	10.04	16.12	26.69	0.08	7.10	0.15	7.25	1.90	0.14	2.04	2.04				
TOTAL WITH TDM	6.01	9.77	15.78	25.92	0.08	6.89	0.15	7.04	1.84	0.14	1.98	1.98				
SLOAPCD SIGNIFICANCE THRESHOLDS:			25	550		25	1.25									

Notes:

Mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Energy use includes installation of energy-efficient appliances. Energy use was adjusted to account for current building code compliance and renewables portfolio standard.

Mobile-source emissions include proposed pedestrian connections. Mobile-source emissions were adjusted to account for implementation of proposed TDM program.

Water transmission and conveyance includes installation of water-efficient irrigation systems and low-flow water fixtures.

Waste includes minimum diversion rate of 50% for existing conditions.

SOURCE	ANNUAL 2023 OPERATIONAL EMISSIONS (TONS/YR)														
	ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5			CO2	CH4	N2O	CO2E
						FUG	EXH	TOT	FUG	EXH	TOT				
AREA	0.64	0.00	0.64	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
ENERGY W/ENERGY EFF. APPLIANCES	0.03	0.27	0.30	0.23	0.00	0.00	0.02	0.02	0.00	0.02	0.02	487.64	0.01	0.01	490.13
ENERGY ADJUSTED FOR 2019 CODE	0.02	0.19	0.21	0.16	0.00	0.00	0.01	0.01	0.00	0.01	0.01	341.34	0.01	0.01	343.09
MOBILE (W/PED CONNECTIONS)	0.44	1.64	2.08	4.59	0.01	1.26	0.01	1.27	0.34	0.01	0.35	1254.22	0.05	0.00	1255.85
MOBILE ADJUSTED FOR TDM	0.42	1.59	2.01	4.45	0.01	1.22	0.01	1.23	0.33	0.01	0.34	1216.59	0.05	0.00	1218.17
WASTE W/50% DIVERSION RATE												11.34	0.67	0.00	28.08
WATER W/WATER EFF. FIXTURES												5.77	0.14	0.00	10.10
TOTAL WITHOUT TDM:	1.10	1.83	2.93	4.76	0.01	1.26	0.03	1.29	0.34	0.03	0.36	1595.58	0.06	0.01	1598.95
TOTAL WITH TDM:	1.09	1.78	2.87	4.62	0.01	1.22	0.03	1.25	0.33	0.03	0.35	1557.95	0.06	0.01	1561.28
SLOAPCD SIGNIFICANCE THRESHOLDS:			25			25									

Notes:

Mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Energy use includes installation of energy-efficient appliances. Energy use was adjusted to account for current building code compliance and renewables portfolio standard.

Mobile-source emissions include proposed pedestrian connections. Mobile-source emissions were adjusted to account for implementation of proposed TDM program.

Water transmission and conveyance includes installation of water-efficient irrigation systems and low-flow water fixtures.

Waste includes minimum diversion rate of 50% for existing conditions.

SOURCE	ANNUAL 2030 OPERATIONAL EMISSIONS (TONS/YR)													CO2	CH4	N2O	MTCO2E
	ROG	NOX	ROG+NOX	CO	SOX	PM10			PM2.5								
						FUG	EXH	TOT	FUG	EXH	TOT						
AREA	0.64	0.00	0.64	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	
ENERGY W/ENERGY EFF. APPLIANCES	0.03	0.27	0.30	0.23	0.00	0.00	0.02	0.02	0.00	0.02	0.02	0.02	426.49	0.01	0.01	428.78	
ENERGY ADJUSTED FOR 2019 CODE	0.02	0.19	0.21	0.16	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	298.54	0.01	0.00	300.15	
MOBILE W/PED CONNECTIONS	0.28	1.13	1.41	2.88	0.01	1.26	0.01	1.26	0.34	0.01	0.34	1093.22	0.03	0.00	1094.36		
MOBILE ADJUSTED FOR TDM	0.27	1.09	1.37	2.79	0.01	1.22	0.01	1.23	0.33	0.01	0.33	1060.42	0.03	0.00	1061.53		
WASTE W/75% DIVERSION RATE													5.67	0.34	0.00	14.04	
WATER W/WATER EFF. FIXTURES													4.34	0.14	0.00	8.68	
TOTAL WITHOUT TDM:	0.94	1.32	2.26	3.04	0.01	1.26	0.02	1.28	0.34	0.02	0.36	1391.78	0.04	0.00	1394.52		
TOTAL WITH TDM:	0.94	1.28	2.22	2.96	0.01	1.22	0.02	1.24	0.33	0.02	0.35	1358.98	0.04	0.00	1361.69		
AMORTIZED CONST EMISSIONS: 23.7 TOTAL WITH AMORTIZED CONST/WITHOUT TDM: 1418.2 TOTAL WITH AMORTIZED CONST & TDM: 1385.4																	
SERVICE POPULATION (EMPLOYEES): 25 MTCO2e/SP 55.4 CAP THRESHOLD: 0.7 REDUCTION REQUIRED TO MEET THRESHOLD (MTCO2e): -1367.88 REDUCTION REQUIRED TO MEET THRESHOLD (MTCO2e/SP): -54.7																	

Notes:

Mobile source emissions include EMFAC off-model adjustment factors for SAFE vehicle rule.

Energy use includes installation of energy-efficient appliances. Energy use was adjusted to account for current building code compliance and renewables portfolio standard.

Mobile-source emissions include proposed pedestrian connections. Mobile-source emissions were adjusted to account for implementation of proposed TDM program.

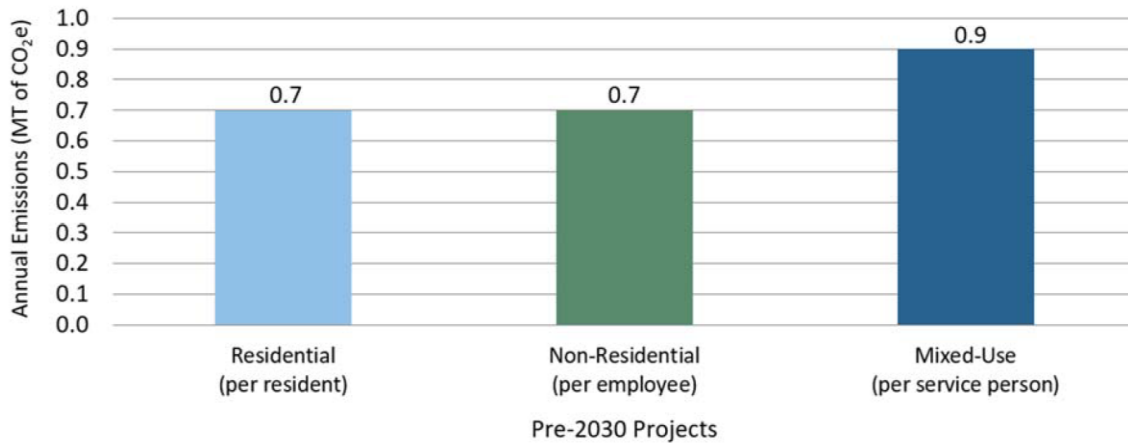
Water transmission and conveyance includes installation of water-efficient irrigation systems and low-flow water fixtures.

Waste includes State's target diversion rate of 75% by year 2030.

CITY OF SAN LUIS OBISPO CLIMATE ACTION PLAN: GHG THRESHOLDS

- **Non-residential.** All Commercial uses (including office and retail uses), all Lodging uses, all Public and Quasi-Public uses, elderly and long term care, hospice in-patient facilities, family day cares, residential care facilities, supportive and/or transitional housing, sports and entertainment assembly facilities, all Industry, Manufacturing & Processing, and Wholesaling uses that are not subject to San Luis Obispo County Air Pollution Control District (SLOAPCD) stationary source permitting or the State cap-and-trade program, or any combination of these uses.
- **Mixed-use.** A combination of at least one residential and at least one non-residential land use specified above.

Figure 5 City of San Luis Obispo GHG Efficiency Thresholds



Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

Airport Hotel (Operational Year 2023)
San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	214.00	Space	1.80	85,600.00	0
Hotel	204.00	Room	3.24	125,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	438.13	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

Project Characteristics - Includes RPS adjustment.

Land Use - Lot acreage: 5.04; 1.8 ac parking, 3.24 ac hotel, hotel: 125,200sf

Construction Phase - No demo. Minimal site prep./included with grading phase. Grading:increased from 20 to 40 days. Other phases based on model defaults.

Off-road Equipment - Equipment based on model defaults.

Trips and VMT - Const trips based on model defaults.

On-road Fugitive Dust -

Demolition - No demolition required.

Grading - 8900cy imported 10000cy exported. Acres graded equivalent based on model default calc./equipment use.

Architectural Coating - Arch coating assumes use of low-VOC (50 g/L or less) content architectural paints. Asphalt paint based on model default.

Vehicle Trips - Based on trip-gen rate of 8.36 trips/room/day, without TDM. TDM reduction calculated separately. Avg. trip length: 8.3 miles.

Vehicle Emission Factors - Emission factors based on model defaults. SAFE off-model adjustments calculated separately.

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation - 50%CE for watering travelways; 61%CE for watering graded surfaces; 15mph onsite speed limit; T3 equipment included for informational purposes.

Mobile Land Use Mitigation - Mitigated traffic includes project features for pedestrian connections. 2.6 miles to Amtrak/transit station.

Mobile Commute Mitigation - Reductions for TDM program (-3%) calculated separately.

Energy Mitigation - Reductions for compliance with current building standards calculated separately. Includes installation of energy-efficient appliances.

Water Mitigation - Includes installation of low-flow fixtures per current building standards. Project MAWA: 746972

Waste Mitigation - Includes 50% diversion of waste per current rate.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
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	40.00
tblGrading	AcresOfGrading	20.00	10.00
tblGrading	MaterialExported	0.00	10,000.00
tblGrading	MaterialImported	0.00	8,900.00

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

tblLandUse	LandUseSquareFeet	296,208.00	125,200.00
tblLandUse	LotAcreage	1.93	1.80
tblLandUse	LotAcreage	6.80	3.24
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	438.13
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	2,363.00	2,362.00
tblVehicleTrips	CC_TL	5.00	8.30
tblVehicleTrips	CNW_TL	5.00	8.30
tblVehicleTrips	CW_TL	13.00	8.30
tblVehicleTrips	ST_TR	8.19	8.36
tblVehicleTrips	SU_TR	5.95	8.36
tblVehicleTrips	WD_TR	8.17	8.36

2.0 Emissions Summary

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2022	5-31-2022	0.8614	0.7132
2	6-1-2022	8-31-2022	0.7784	0.6833
3	9-1-2022	11-30-2022	0.6889	0.6102
4	12-1-2022	2-28-2023	0.6402	0.5911
5	3-1-2023	5-31-2023	0.6250	0.6204
		Highest	0.8614	0.7132

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	0.6420	6.0000e-005	7.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Energy	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			491.5912	0.0146	7.2100e-003	494.1056
Mobile	0.4416	1.6736	4.7058	0.0139	1.3065	0.0129	1.3193	0.3497	0.0120	0.3617			1,272.0122	0.0491	0.0000	1,273.2400
Waste						0.0000	0.0000		0.0000	0.0000			22.6721	1.3399	0.0000	56.1691
Water						0.0000	0.0000		0.0000	0.0000			7.6064	0.1689	4.0400e-003	13.0314
Total	1.1135	1.9456	4.9412	0.0155	1.3065	0.0336	1.3400	0.3497	0.0327	0.3824			1,793.8956	1.5725	0.0113	1,836.5607

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6420	6.0000e-005	7.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Energy	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			487.6351	0.0144	7.1800e-003	490.1342
Mobile	0.4368	1.6390	4.5894	0.0134	1.2593	0.0125	1.2717	0.3370	0.0117	0.3487			1,229.3873	0.0478	0.0000	1,230.5828
Waste						0.0000	0.0000		0.0000	0.0000			11.3360	0.6699	0.0000	28.0845
Water						0.0000	0.0000		0.0000	0.0000			5.7651	0.1351	3.2300e-003	10.1040
Total	1.1088	1.9110	4.8249	0.0151	1.2593	0.0332	1.2924	0.3370	0.0324	0.3694			1,734.1372	0.8673	0.0104	1,758.9202

	ROG	NOx	CO	SO2	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	0.43	1.78	2.36	2.97	3.62	1.19	3.55	3.61	1.13	3.40	0.00	0.00	3.33	44.85	7.47	4.23

3.0 Construction Detail

Construction Phase

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/12/2022	6/6/2022	5	40	
2	Building Construction	Building Construction	5/10/2022	3/27/2023	5	230	
3	Paving	Paving	3/28/2023	4/24/2023	5	20	
4	Architectural Coating	Architectural Coating	4/25/2023	5/22/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 187,800; Non-Residential Outdoor: 62,600; Striped Parking Area: 5,136 (Architectural Coating – sqft)

OffRoad Equipment

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	15.00	0.00	2,362.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	89.00	35.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1275	0.0000	0.1275	0.0670	0.0000	0.0670			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.4171	0.3055	5.9000e-004		0.0188	0.0188		0.0173	0.0173			52.1095	0.0169	0.0000	52.5309
Total	0.0390	0.4171	0.3055	5.9000e-004	0.1275	0.0188	0.1463	0.0670	0.0173	0.0844			52.1095	0.0169	0.0000	52.5309

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.9600e-003	0.3173	0.0758	9.0000e-004	0.0202	1.2500e-003	0.0214	5.5400e-003	1.2000e-003	6.7300e-003			88.7601	5.2700e-003	0.0000	88.8920
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	1.1500e-003	9.6000e-004	8.5700e-003	2.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.8000e-004			2.2505	6.0000e-005	0.0000	2.2520
Total	0.0101	0.3183	0.0844	9.2000e-004	0.0230	1.2700e-003	0.0243	6.3100e-003	1.2200e-003	7.5100e-003			91.0106	5.3300e-003	0.0000	91.1440

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					0.0497	0.0000	0.0497	0.0262	0.0000	0.0262			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.2968	0.3798	5.9000e-004		0.0151	0.0151		0.0151	0.0151			52.1095	0.0169	0.0000	52.5308
Total	0.0145	0.2968	0.3798	5.9000e-004	0.0497	0.0151	0.0648	0.0262	0.0151	0.0413			52.1095	0.0169	0.0000	52.5308

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.9600e-003	0.3173	0.0758	9.0000e-004	0.0202	1.2500e-003	0.0214	5.5400e-003	1.2000e-003	6.7300e-003			88.7601	5.2700e-003	0.0000	88.8920
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	1.1500e-003	9.6000e-004	8.5700e-003	2.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.8000e-004			2.2505	6.0000e-005	0.0000	2.2520
Total	0.0101	0.3183	0.0844	9.2000e-004	0.0230	1.2700e-003	0.0243	6.3100e-003	1.2200e-003	7.5100e-003			91.0106	5.3300e-003	0.0000	91.1440

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1442	1.3195	1.3827	2.2800e-003		0.0684	0.0684		0.0643	0.0643			195.8078	0.0469	0.0000	196.9806
Total	0.1442	1.3195	1.3827	2.2800e-003		0.0684	0.0684		0.0643	0.0643			195.8078	0.0469	0.0000	196.9806

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.3400e-003	0.2675	0.0762	5.8000e-004	0.0134	7.1000e-004	0.0142	3.8800e-003	6.8000e-004	4.5600e-003			56.1726	3.2900e-003	0.0000	56.2549
Worker	0.0288	0.0240	0.2148	6.2000e-004	0.0724	4.5000e-004	0.0729	0.0192	4.1000e-004	0.0197			56.4151	1.5900e-003	0.0000	56.4548
Total	0.0371	0.2915	0.2909	1.2000e-003	0.0858	1.1600e-003	0.0870	0.0231	1.0900e-003	0.0242			112.5877	4.8800e-003	0.0000	112.7097

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	0.0569	1.2021	1.5103	2.2800e-003		0.0764	0.0764		0.0764	0.0764			195.8076	0.0469	0.0000	196.9804
Total	0.0569	1.2021	1.5103	2.2800e-003		0.0764	0.0764		0.0764	0.0764			195.8076	0.0469	0.0000	196.9804

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3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.3400e-003	0.2675	0.0762	5.8000e-004	0.0134	7.1000e-004	0.0142	3.8800e-003	6.8000e-004	4.5600e-003			56.1726	3.2900e-003	0.0000	56.2549
Worker	0.0288	0.0240	0.2148	6.2000e-004	0.0724	4.5000e-004	0.0729	0.0192	4.1000e-004	0.0197			56.4151	1.5900e-003	0.0000	56.4548
Total	0.0371	0.2915	0.2909	1.2000e-003	0.0858	1.1600e-003	0.0870	0.0231	1.0900e-003	0.0242			112.5877	4.8800e-003	0.0000	112.7097

3.3 Building Construction - 2023

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	0.0480	0.4387	0.4954	8.2000e-004		0.0213	0.0213		0.0201	0.0201			70.7005	0.0168	0.0000	71.1209
Total	0.0480	0.4387	0.4954	8.2000e-004		0.0213	0.0213		0.0201	0.0201			70.7005	0.0168	0.0000	71.1209

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3.3 Building Construction - 2023

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
Vendor	2.3000e-003	0.0796	0.0242	2.1000e-004	4.8500e-003	1.2000e-004	4.9700e-003	1.4000e-003	1.1000e-004	1.5200e-003			19.9420	1.0600e-003	0.0000	19.9685
Worker	9.7600e-003	7.7900e-003	0.0708	2.2000e-004	0.0261	1.6000e-004	0.0263	6.9400e-003	1.5000e-004	7.0900e-003			19.5992	5.1000e-004	0.0000	19.6119
Total	0.0121	0.0874	0.0949	4.3000e-004	0.0310	2.8000e-004	0.0313	8.3400e-003	2.6000e-004	8.6100e-003			39.5412	1.5700e-003	0.0000	39.5804

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	0.0206	0.4339	0.5452	8.2000e-004		0.0276	0.0276		0.0276	0.0276			70.7004	0.0168	0.0000	71.1208
Total	0.0206	0.4339	0.5452	8.2000e-004		0.0276	0.0276		0.0276	0.0276			70.7004	0.0168	0.0000	71.1208

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3.3 Building Construction - 2023

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
Vendor	2.3000e-003	0.0796	0.0242	2.1000e-004	4.8500e-003	1.2000e-004	4.9700e-003	1.4000e-003	1.1000e-004	1.5200e-003			19.9420	1.0600e-003	0.0000	19.9685
Worker	9.7600e-003	7.7900e-003	0.0708	2.2000e-004	0.0261	1.6000e-004	0.0263	6.9400e-003	1.5000e-004	7.0900e-003			19.5992	5.1000e-004	0.0000	19.6119
Total	0.0121	0.0874	0.0949	4.3000e-004	0.0310	2.8000e-004	0.0313	8.3400e-003	2.6000e-004	8.6100e-003			39.5412	1.5700e-003	0.0000	39.5804

3.4 Paving - 2023

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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003			20.0269	6.4800e-003	0.0000	20.1888
Paving	2.3600e-003					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0127	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003			20.0269	6.4800e-003	0.0000	20.1888

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3.4 Paving - 2023

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
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	5.4000e-004	4.3000e-004	3.9100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.0830	3.0000e-005	0.0000	1.0837
Total	5.4000e-004	4.3000e-004	3.9100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.0830	3.0000e-005	0.0000	1.0837

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	5.6100e-003	0.1130	0.1730	2.3000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003			20.0268	6.4800e-003	0.0000	20.1888
Paving	2.3600e-003					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	7.9700e-003	0.1130	0.1730	2.3000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003			20.0268	6.4800e-003	0.0000	20.1888

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3.4 Paving - 2023

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
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	5.4000e-004	4.3000e-004	3.9100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.0830	3.0000e-005	0.0000	1.0837
Total	5.4000e-004	4.3000e-004	3.9100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.0830	3.0000e-005	0.0000	1.0837

3.5 Architectural Coating - 2023

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	0.3080					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004			2.5533	1.5000e-004	0.0000	2.5571
Total	0.3099	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004			2.5533	1.5000e-004	0.0000	2.5571

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3.5 Architectural Coating - 2023

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
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	6.5000e-004	5.2000e-004	4.6900e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004			1.2996	3.0000e-005	0.0000	1.3005
Total	6.5000e-004	5.2000e-004	4.6900e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004			1.2996	3.0000e-005	0.0000	1.3005

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	0.3080					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004			2.5533	1.5000e-004	0.0000	2.5571
Total	0.3086	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004			2.5533	1.5000e-004	0.0000	2.5571

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3.5 Architectural Coating - 2023

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
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	6.5000e-004	5.2000e-004	4.6900e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004			1.2996	3.0000e-005	0.0000	1.3005
Total	6.5000e-004	5.2000e-004	4.6900e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004			1.2996	3.0000e-005	0.0000	1.3005

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4368	1.6390	4.5894	0.0134	1.2593	0.0125	1.2717	0.3370	0.0117	0.3487			1,229.3873	0.0478	0.0000	1,230.5828
Unmitigated	0.4416	1.6736	4.7058	0.0139	1.3065	0.0129	1.3193	0.3497	0.0120	0.3617			1,272.0122	0.0491	0.0000	1,273.2400

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,705.44	1,705.44	1,705.44	3,480,404	3,354,579
Parking Lot	0.00	0.00	0.00		
Total	1,705.44	1,705.44	1,705.44	3,480,404	3,354,579

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	8.30	8.30	8.30	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299
Parking Lot	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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			191.5934	8.7500e-003	1.7500e-003	192.3333
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			195.5495	8.9300e-003	1.7900e-003	196.3047
NaturalGas Mitigated	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009
NaturalGas Unmitigated	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009

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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					
Hotel	5.54761e+006	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009
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
Total		0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	5.54761e+006	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009
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
Total		0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	954024	189.5955	8.6500e-003	1.7300e-003	190.3277
Parking Lot	29960	5.9540	2.7000e-004	5.0000e-005	5.9770
Total		195.5495	8.9200e-003	1.7800e-003	196.3047

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	934117	185.6394	8.4700e-003	1.6900e-003	186.3563
Parking Lot	29960	5.9540	2.7000e-004	5.0000e-005	5.9770
Total		191.5934	8.7400e-003	1.7400e-003	192.3333

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6420	6.0000e-005	7.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Unmitigated	0.6420	6.0000e-005	7.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0137	4.0000e-005	0.0000	0.0146

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	0.1469					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Total	0.6420	6.0000e-005	7.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0137	4.0000e-005	0.0000	0.0146

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1469					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	6.5000e-004	6.0000e-005	7.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Total	0.6420	6.0000e-005	7.0400e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005			0.0137	4.0000e-005	0.0000	0.0146

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Landscaping

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7651	0.1351	3.2300e-003	10.1040
Unmitigated	7.6064	0.1689	4.0400e-003	13.0314

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	5.17482 / 0.57498	7.6064	0.1689	4.0400e-003	13.0314
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		7.6064	0.1689	4.0400e-003	13.0314

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	4.13986 / 0	5.7651	0.1351	3.2300e-003	10.1040
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.7651	0.1351	3.2300e-003	10.1040

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.3360	0.6699	0.0000	28.0845
Unmitigated	22.6721	1.3399	0.0000	56.1691

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	111.69	22.6721	1.3399	0.0000	56.1691
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		22.6721	1.3399	0.0000	56.1691

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	55.845	11.3360	0.6699	0.0000	28.0845
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		11.3360	0.6699	0.0000	28.0845

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Annual

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

Airport Hotel (Operational Year 2030)
San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	214.00	Space	1.80	85,600.00	0
Hotel	204.00	Room	3.24	125,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	298.3	CH4 Intensity (lb/MWhr)	0.013	N2O Intensity (lb/MWhr)	0.003

1.3 User Entered Comments & Non-Default Data

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

Project Characteristics - Includes RPS adjustment.

Land Use - Lot acreage: 5.04; 1.8 ac parking, 3.24 ac hotel, hotel: 125,200sf

Construction Phase - No demo. Minimal site prep./included with grading phase. Grading:increased from 20 to 40 days. Other phases based on model defaults.

Off-road Equipment - Equipment based on model defaults.

Grading - Material balanced on site. Acres graded equivalent based on model default calc./equipment use.

Demolition - No demolition required.

Trips and VMT - Const trips based on model defaults.

On-road Fugitive Dust -

Architectural Coating - Arch coating assumes use of low-VOC (50 g/L or less) content architectural paints. Asphalt paint based on model default.

Vehicle Trips - Based on trip-gen rate of 8.36 trips/room/day, without TDM. TDM reduction calculated separately. Avg. trip length: 8.3 miles.

Vehicle Emission Factors - Emission factors based on model defaults. SAFE off-model adjustments calculated separately.

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation - 50%CE for watering travelways; 61%CE for watering graded surfaces; 15mph onsite speed limit; T3 equipment included for informational purposes.

Mobile Land Use Mitigation - Mitigated traffic includes project features for pedestrian connections. 2.6 miles to Amtrak/transit station.

Mobile Commute Mitigation - Reductions for TDM program (-3%) calculated separately.

Energy Mitigation - Reductions for compliance with current building standards calculated separately. Includes installation of energy-efficient appliances.

Water Mitigation - Includes installation of low-flow fixtures per current building standards. Project MAWA: 746972

Waste Mitigation - Includes 75% diversion of waste per regulatory target rate.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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	PhaseEndDate	5/9/2022	6/6/2022
tblLandUse	LandUseSquareFeet	296,208.00	125,200.00
tblLandUse	LotAcreage	1.93	1.80
tblLandUse	LotAcreage	6.80	3.24
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.013
tblProjectCharacteristics	CO2IntensityFactor	641.35	298.3

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

tblProjectCharacteristics	N2OIntensityFactor		
tblVehicleTrips	CC_TL	5.00	8.30
tblVehicleTrips	CNW_TL	5.00	8.30
tblVehicleTrips	CW_TL	13.00	8.30
tblVehicleTrips	ST_TR	8.19	8.36
tblVehicleTrips	SU_TR	5.95	8.36
tblVehicleTrips	WD_TR	8.17	8.36

2.0 Emissions Summary

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2022	5-31-2022	0.5752	0.4269
2	6-1-2022	8-31-2022	0.7441	0.6490
3	9-1-2022	11-30-2022	0.6889	0.6102
4	12-1-2022	2-28-2023	0.6402	0.5911
5	3-1-2023	5-31-2023	1.7856	1.7810
		Highest	1.7856	1.7810

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	0.6420	6.0000e-005	7.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Energy	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			429.1812	0.0115	6.7700e-003	431.4845
Mobile	0.2848	1.1459	2.9511	0.0112	1.3039	8.2500e-003	1.3121	0.3486	7.6800e-003	0.3563			1,030.4320	0.0344	0.0000	1,031.2907
Waste						0.0000	0.0000		0.0000	0.0000			22.6721	1.3399	0.0000	56.1691
Water						0.0000	0.0000		0.0000	0.0000			5.7027	0.1688	4.0200e-003	11.1214
Total	0.9567	1.4179	3.1866	0.0128	1.3039	0.0289	1.3328	0.3486	0.0284	0.3769			1,488.0017	1.5546	0.0108	1,530.0802

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6420	6.0000e-005	7.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Energy	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			426.4877	0.0114	6.7400e-003	428.7800
Mobile	0.2818	1.1270	2.8757	0.0108	1.2567	8.0000e-003	1.2647	0.3360	7.4500e-003	0.3434			996.1923	0.0335	0.0000	997.0287
Waste						0.0000	0.0000		0.0000	0.0000			5.6680	0.3350	0.0000	14.0423
Water						0.0000	0.0000		0.0000	0.0000			4.3444	0.1350	3.2200e-003	8.6784
Total	0.9537	1.3990	3.1111	0.0125	1.2567	0.0287	1.2854	0.3360	0.0281	0.3641			1,432.7060	0.5149	9.9600e-003	1,448.5439

	ROG	NOx	CO	SO2	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	0.31	1.33	2.37	2.96	3.61	0.86	3.55	3.61	0.81	3.40	0.00	0.00	3.72	66.88	7.69	5.33

3.0 Construction Detail

Construction Phase

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/12/2022	6/6/2022	5	20	
2	Building Construction	Building Construction	5/10/2022	3/27/2023	5	230	
3	Paving	Paving	3/28/2023	4/24/2023	5	20	
4	Architectural Coating	Architectural Coating	4/25/2023	5/22/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 187,800; Non-Residential Outdoor: 62,600; Striped Parking Area: 5,136 (Architectural Coating – sqft)

OffRoad Equipment

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

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

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
Grading	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	89.00	35.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1311	0.0000	0.1311	0.0674	0.0000	0.0674			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.4171	0.3055	5.9000e-004		0.0188	0.0188		0.0173	0.0173			52.1095	0.0169	0.0000	52.5309
Total	0.0390	0.4171	0.3055	5.9000e-004	0.1311	0.0188	0.1499	0.0674	0.0173	0.0847			52.1095	0.0169	0.0000	52.5309

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3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
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	1.1500e-003	9.6000e-004	8.5700e-003	2.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.8000e-004			2.2505	6.0000e-005	0.0000	2.2520
Total	1.1500e-003	9.6000e-004	8.5700e-003	2.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.8000e-004			2.2505	6.0000e-005	0.0000	2.2520

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					0.0511	0.0000	0.0511	0.0263	0.0000	0.0263			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.2968	0.3798	5.9000e-004		0.0151	0.0151		0.0151	0.0151			52.1095	0.0169	0.0000	52.5308
Total	0.0145	0.2968	0.3798	5.9000e-004	0.0511	0.0151	0.0662	0.0263	0.0151	0.0414			52.1095	0.0169	0.0000	52.5308

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3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
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	1.1500e-003	9.6000e-004	8.5700e-003	2.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.8000e-004			2.2505	6.0000e-005	0.0000	2.2520
Total	1.1500e-003	9.6000e-004	8.5700e-003	2.0000e-005	2.8900e-003	2.0000e-005	2.9100e-003	7.7000e-004	2.0000e-005	7.8000e-004			2.2505	6.0000e-005	0.0000	2.2520

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1442	1.3195	1.3827	2.2800e-003		0.0684	0.0684		0.0643	0.0643			195.8078	0.0469	0.0000	196.9806
Total	0.1442	1.3195	1.3827	2.2800e-003		0.0684	0.0684		0.0643	0.0643			195.8078	0.0469	0.0000	196.9806

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3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.3400e-003	0.2675	0.0762	5.8000e-004	0.0134	7.1000e-004	0.0142	3.8800e-003	6.8000e-004	4.5600e-003			56.1726	3.2900e-003	0.0000	56.2549
Worker	0.0288	0.0240	0.2148	6.2000e-004	0.0724	4.5000e-004	0.0729	0.0192	4.1000e-004	0.0197			56.4151	1.5900e-003	0.0000	56.4548
Total	0.0371	0.2915	0.2909	1.2000e-003	0.0858	1.1600e-003	0.0870	0.0231	1.0900e-003	0.0242			112.5877	4.8800e-003	0.0000	112.7097

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	0.0569	1.2021	1.5103	2.2800e-003		0.0764	0.0764		0.0764	0.0764			195.8076	0.0469	0.0000	196.9804
Total	0.0569	1.2021	1.5103	2.2800e-003		0.0764	0.0764		0.0764	0.0764			195.8076	0.0469	0.0000	196.9804

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3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.3400e-003	0.2675	0.0762	5.8000e-004	0.0134	7.1000e-004	0.0142	3.8800e-003	6.8000e-004	4.5600e-003			56.1726	3.2900e-003	0.0000	56.2549
Worker	0.0288	0.0240	0.2148	6.2000e-004	0.0724	4.5000e-004	0.0729	0.0192	4.1000e-004	0.0197			56.4151	1.5900e-003	0.0000	56.4548
Total	0.0371	0.2915	0.2909	1.2000e-003	0.0858	1.1600e-003	0.0870	0.0231	1.0900e-003	0.0242			112.5877	4.8800e-003	0.0000	112.7097

3.3 Building Construction - 2023

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	0.0480	0.4387	0.4954	8.2000e-004		0.0213	0.0213		0.0201	0.0201			70.7005	0.0168	0.0000	71.1209
Total	0.0480	0.4387	0.4954	8.2000e-004		0.0213	0.0213		0.0201	0.0201			70.7005	0.0168	0.0000	71.1209

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3.3 Building Construction - 2023

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
Vendor	2.3000e-003	0.0796	0.0242	2.1000e-004	4.8500e-003	1.2000e-004	4.9700e-003	1.4000e-003	1.1000e-004	1.5200e-003			19.9420	1.0600e-003	0.0000	19.9685
Worker	9.7600e-003	7.7900e-003	0.0708	2.2000e-004	0.0261	1.6000e-004	0.0263	6.9400e-003	1.5000e-004	7.0900e-003			19.5992	5.1000e-004	0.0000	19.6119
Total	0.0121	0.0874	0.0949	4.3000e-004	0.0310	2.8000e-004	0.0313	8.3400e-003	2.6000e-004	8.6100e-003			39.5412	1.5700e-003	0.0000	39.5804

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	0.0206	0.4339	0.5452	8.2000e-004		0.0276	0.0276		0.0276	0.0276			70.7004	0.0168	0.0000	71.1208
Total	0.0206	0.4339	0.5452	8.2000e-004		0.0276	0.0276		0.0276	0.0276			70.7004	0.0168	0.0000	71.1208

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3.3 Building Construction - 2023

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
Vendor	2.3000e-003	0.0796	0.0242	2.1000e-004	4.8500e-003	1.2000e-004	4.9700e-003	1.4000e-003	1.1000e-004	1.5200e-003			19.9420	1.0600e-003	0.0000	19.9685
Worker	9.7600e-003	7.7900e-003	0.0708	2.2000e-004	0.0261	1.6000e-004	0.0263	6.9400e-003	1.5000e-004	7.0900e-003			19.5992	5.1000e-004	0.0000	19.6119
Total	0.0121	0.0874	0.0949	4.3000e-004	0.0310	2.8000e-004	0.0313	8.3400e-003	2.6000e-004	8.6100e-003			39.5412	1.5700e-003	0.0000	39.5804

3.4 Paving - 2023

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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003			20.0269	6.4800e-003	0.0000	20.1888
Paving	2.3600e-003					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0127	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003			20.0269	6.4800e-003	0.0000	20.1888

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3.4 Paving - 2023

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
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	5.4000e-004	4.3000e-004	3.9100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.0830	3.0000e-005	0.0000	1.0837
Total	5.4000e-004	4.3000e-004	3.9100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.0830	3.0000e-005	0.0000	1.0837

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	5.6100e-003	0.1130	0.1730	2.3000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003			20.0268	6.4800e-003	0.0000	20.1888
Paving	2.3600e-003					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	7.9700e-003	0.1130	0.1730	2.3000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003			20.0268	6.4800e-003	0.0000	20.1888

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3.4 Paving - 2023

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
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	5.4000e-004	4.3000e-004	3.9100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.0830	3.0000e-005	0.0000	1.0837
Total	5.4000e-004	4.3000e-004	3.9100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004			1.0830	3.0000e-005	0.0000	1.0837

3.5 Architectural Coating - 2023

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	1.4686					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004			2.5533	1.5000e-004	0.0000	2.5571
Total	1.4705	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004			2.5533	1.5000e-004	0.0000	2.5571

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3.5 Architectural Coating - 2023

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
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	6.5000e-004	5.2000e-004	4.6900e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004			1.2996	3.0000e-005	0.0000	1.3005
Total	6.5000e-004	5.2000e-004	4.6900e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004			1.2996	3.0000e-005	0.0000	1.3005

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	1.4686					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004			2.5533	1.5000e-004	0.0000	2.5571
Total	1.4692	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004			2.5533	1.5000e-004	0.0000	2.5571

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3.5 Architectural Coating - 2023

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
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	6.5000e-004	5.2000e-004	4.6900e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004			1.2996	3.0000e-005	0.0000	1.3005
Total	6.5000e-004	5.2000e-004	4.6900e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004			1.2996	3.0000e-005	0.0000	1.3005

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2818	1.1270	2.8757	0.0108	1.2567	8.0000e-003	1.2647	0.3360	7.4500e-003	0.3434			996.1923	0.0335	0.0000	997.0287
Unmitigated	0.2848	1.1459	2.9511	0.0112	1.3039	8.2500e-003	1.3121	0.3486	7.6800e-003	0.3563			1,030.4320	0.0344	0.0000	1,031.2907

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,705.44	1,705.44	1705.44	3,480,404	3,354,579
Parking Lot	0.00	0.00	0.00		
Total	1,705.44	1,705.44	1,705.44	3,480,404	3,354,579

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	8.30	8.30	8.30	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.610645	0.025081	0.199254	0.104456	0.014638	0.004440	0.012550	0.019914	0.002247	0.001059	0.004248	0.000708	0.000759
Parking Lot	0.610645	0.025081	0.199254	0.104456	0.014638	0.004440	0.012550	0.019914	0.002247	0.001059	0.004248	0.000708	0.000759

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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			130.4460	5.6800e-003	1.3100e-003	130.9791
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			133.1395	5.8000e-003	1.3400e-003	133.6836
NaturalGas Mitigated	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009
NaturalGas Unmitigated	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009

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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					
Hotel	5.54761e+006	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009
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
Total		0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	5.54761e+006	0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009
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
Total		0.0299	0.2719	0.2284	1.6300e-003		0.0207	0.0207		0.0207	0.0207			296.0417	5.6700e-003	5.4300e-003	297.8009

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	954024	129.0858	5.6300e-003	1.3000e-003	129.6133
Parking Lot	29960	4.0538	1.8000e-004	4.0000e-005	4.0704
Total		133.1395	5.8100e-003	1.3400e-003	133.6836

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	934117	126.3922	5.5100e-003	1.2700e-003	126.9087
Parking Lot	29960	4.0538	1.8000e-004	4.0000e-005	4.0704
Total		130.4460	5.6900e-003	1.3100e-003	130.9791

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6420	6.0000e-005	7.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Unmitigated	0.6420	6.0000e-005	7.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0137	4.0000e-005	0.0000	0.0146

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	0.1469					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	6.4000e-004	6.0000e-005	7.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Total	0.6420	6.0000e-005	7.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0137	4.0000e-005	0.0000	0.0146

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1469					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4945					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	6.4000e-004	6.0000e-005	7.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0137	4.0000e-005	0.0000	0.0146
Total	0.6420	6.0000e-005	7.0100e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005			0.0137	4.0000e-005	0.0000	0.0146

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Landscaping

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.3444	0.1350	3.2200e-003	8.6784
Unmitigated	5.7027	0.1688	4.0200e-003	11.1214

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	5.17482 / 0.57498	5.7027	0.1688	4.0200e-003	11.1214
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.7027	0.1688	4.0200e-003	11.1214

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	4.13986 / 0	4.3444	0.1350	3.2200e-003	8.6784
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		4.3444	0.1350	3.2200e-003	8.6784

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.6680	0.3350	0.0000	14.0423
Unmitigated	22.6721	1.3399	0.0000	56.1691

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	111.69	22.6721	1.3399	0.0000	56.1691
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		22.6721	1.3399	0.0000	56.1691

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	27.9225	5.6680	0.3350	0.0000	14.0423
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		5.6680	0.3350	0.0000	14.0423

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Airport Hotel (Operational Year 2030) - San Luis Obispo County, Annual

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

Airport Hotel (Operational Year 2023)
San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	214.00	Space	1.80	85,600.00	0
Hotel	204.00	Room	3.24	125,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	438.13	CH4 Intensity (lb/MW hr)	0.02	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

Project Characteristics - Includes RPS adjustment.

Land Use - Lot acreage: 5.04; 1.8 ac parking, 3.24 ac hotel, hotel: 125,200sf

Construction Phase - No demo. Minimal site prep./included with grading phase. Grading:increased from 20 to 40 days. Other phases based on model defaults.

Off-road Equipment - Equipment based on model defaults.

Trips and VMT - Const trips based on model defaults.

On-road Fugitive Dust -

Demolition - No demolition required.

Grading - 8900cy imported 10000cy exported. Acres graded equivalent based on model default calc./equipment use.

Architectural Coating - Arch coating assumes use of low-VOC (50 g/L or less) content architectural paints. Asphalt paint based on model default.

Vehicle Trips - Based on trip-gen rate of 8.36 trips/room/day, without TDM. TDM reduction calculated separately. Avg. trip length: 8.3 miles.

Vehicle Emission Factors - Emission factors based on model defaults. SAFE off-model adjustments calculated separately.

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation - 50%CE for watering travelways; 61%CE for watering graded surfaces; 15mph onsite speed limit; T3 equipment included for informational purposes.

Mobile Land Use Mitigation - Mitigated traffic includes project features for pedestrian connections. 2.6 miles to Amtrak/transit station.

Mobile Commute Mitigation - Reductions for TDM program (-3%) calculated separately.

Energy Mitigation - Reductions for compliance with current building standards calculated separately. Includes installation of energy-efficient appliances.

Water Mitigation - Includes installation of low-flow fixtures per current building standards. Project MAWA: 746972

Waste Mitigation - Includes 50% division of waste per current rate.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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	40.00
tblGrading	AcresOfGrading	20.00	10.00
tblGrading	MaterialExported	0.00	10,000.00
tblGrading	MaterialImported	0.00	8,900.00

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

tblLandUse	LandUseSquareFeet	296,208.00	125,200.00
tblLandUse	LotAcreage	1.93	1.80
tblLandUse	LotAcreage	6.80	3.24
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	438.13
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	2,363.00	2,362.00
tblVehicleTrips	CC_TL	5.00	8.30
tblVehicleTrips	CNW_TL	5.00	8.30
tblVehicleTrips	CW_TL	13.00	8.30
tblVehicleTrips	ST_TR	8.19	8.36
tblVehicleTrips	SU_TR	5.95	8.36
tblVehicleTrips	WD_TR	8.17	8.36

2.0 Emissions Summary

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Energy	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
Mobile	2.5768	8.8750	25.6452	0.0788	7.3690	0.0705	7.4395	1.9681	0.0660	2.0341			7,960.4334	0.2963		7,967.8403
Total	6.2590	10.3655	26.9396	0.0878	7.3690	0.1839	7.5529	1.9681	0.1794	2.1475			9,748.6351	0.3308	0.0328	9,766.6739

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Energy	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
Mobile	2.5505	8.6959	24.9677	0.0762	7.1026	0.0683	7.1709	1.8969	0.0639	1.9609			7,693.7049	0.2882		7,700.9110
Total	6.2327	10.1864	26.2620	0.0851	7.1026	0.1817	7.2843	1.8969	0.1773	2.0743			9,481.9067	0.3228	0.0328	9,499.7446

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.42	1.73	2.52	3.02	3.62	1.19	3.56	3.62	1.15	3.41	0.00	0.00	2.74	2.43	0.00	2.73

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/12/2022	6/6/2022	5	40	
2	Building Construction	Building Construction	5/10/2022	3/27/2023	5	230	
3	Paving	Paving	3/28/2023	4/24/2023	5	20	
4	Architectural Coating	Architectural Coating	4/25/2023	5/22/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 187,800; Non-Residential Outdoor: 62,600; Striped Parking Area: 5,136 (Architectural Coating – sqft)

OffRoad Equipment

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	15.00	0.00	2,362.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	89.00	35.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3742	0.0000	6.3742	3.3520	0.0000	3.3520			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656			2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.3742	0.9409	7.3150	3.3520	0.8656	4.2176			2,872.0464	0.9289		2,895.2684

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4427	15.5879	3.6897	0.0455	1.0312	0.0620	1.0932	0.2826	0.0593	0.3418			4,923.7323	0.2867		4,930.8994
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
Worker	0.0561	0.0430	0.4437	1.3000e-003	0.1483	8.9000e-004	0.1492	0.0393	8.2000e-004	0.0402			129.0740	3.6100e-003		129.1642
Total	0.4988	15.6309	4.1333	0.0468	1.1795	0.0629	1.2424	0.3219	0.0601	0.3820			5,052.8063	0.2903		5,060.0636

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					2.4859	0.0000	2.4859	1.3073	0.0000	1.3073			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555			2,872.0464	0.9289		2,895.2684
Total	0.7263	14.8397	18.9906	0.0297	2.4859	0.7555	3.2415	1.3073	0.7555	2.0628			2,872.0464	0.9289		2,895.2684

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4427	15.5879	3.6897	0.0455	1.0312	0.0620	1.0932	0.2826	0.0593	0.3418			4,923.7323	0.2867		4,930.8994
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
Worker	0.0561	0.0430	0.4437	1.3000e-003	0.1483	8.9000e-004	0.1492	0.0393	8.2000e-004	0.0402			129.0740	3.6100e-003		129.1642
Total	0.4988	15.6309	4.1333	0.0468	1.1795	0.0629	1.2424	0.3219	0.0601	0.3820			5,052.8063	0.2903		5,060.0636

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612			2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612			2,554.3336	0.6120		2,569.6322

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Vendor	0.0959	3.1461	0.8419	6.9600e-003	0.1625	8.1500e-003	0.1707	0.0468	7.8000e-003	0.0546			742.5055	0.0416		743.5453
Worker	0.3326	0.2554	2.6326	7.6900e-003	0.8799	5.2900e-003	0.8852	0.2334	4.8800e-003	0.2382			765.8392	0.0214		766.3742
Total	0.4285	3.4015	3.4745	0.0147	1.0424	0.0134	1.0558	0.2802	0.0127	0.2929			1,508.3447	0.0630		1,509.9194

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036			2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036			2,554.3336	0.6120		2,569.6322

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Vendor	0.0959	3.1461	0.8419	6.9600e-003	0.1625	8.1500e-003	0.1707	0.0468	7.8000e-003	0.0546			742.5055	0.0416		743.5453
Worker	0.3326	0.2554	2.6326	7.6900e-003	0.8799	5.2900e-003	0.8852	0.2334	4.8800e-003	0.2382			765.8392	0.0214		766.3742
Total	0.4285	3.4015	3.4745	0.0147	1.0424	0.0134	1.0558	0.2802	0.0127	0.2929			1,508.3447	0.0630		1,509.9194

3.3 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584			2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584			2,555.2099	0.6079		2,570.4061

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.3 Building Construction - 2023

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
Vendor	0.0732	2.5982	0.7431	6.8400e-003	0.1626	3.7900e-003	0.1664	0.0468	3.6300e-003	0.0505			730.4838	0.0371		731.4107
Worker	0.3122	0.2296	2.4089	7.4000e-003	0.8799	5.1600e-003	0.8850	0.2334	4.7500e-003	0.2381			737.1072	0.0191		737.5856
Total	0.3853	2.8278	3.1520	0.0142	1.0424	8.9500e-003	1.0514	0.2802	8.3800e-003	0.2886			1,467.5910	0.0562		1,468.9963

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036			2,555.2099	0.6079		2,570.4061
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036			2,555.2099	0.6079		2,570.4061

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.3 Building Construction - 2023

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
Vendor	0.0732	2.5982	0.7431	6.8400e-003	0.1626	3.7900e-003	0.1664	0.0468	3.6300e-003	0.0505			730.4838	0.0371		731.4107
Worker	0.3122	0.2296	2.4089	7.4000e-003	0.8799	5.1600e-003	0.8850	0.2334	4.7500e-003	0.2381			737.1072	0.0191		737.5856
Total	0.3853	2.8278	3.1520	0.0142	1.0424	8.9500e-003	1.0514	0.2802	8.3800e-003	0.2886			1,467.5910	0.0562		1,468.9963

3.4 Paving - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694			2,207.5841	0.7140		2,225.4336
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2685	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694			2,207.5841	0.7140		2,225.4336

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.4 Paving - 2023

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
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
Worker	0.0526	0.0387	0.4060	1.2500e-003	0.1483	8.7000e-004	0.1492	0.0393	8.0000e-004	0.0401			124.2316	3.2200e-003		124.3122
Total	0.0526	0.0387	0.4060	1.2500e-003	0.1483	8.7000e-004	0.1492	0.0393	8.0000e-004	0.0401			124.2316	3.2200e-003		124.3122

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	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093			2,207.5841	0.7140		2,225.4336
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7967	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093			2,207.5841	0.7140		2,225.4336

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.4 Paving - 2023

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
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
Worker	0.0526	0.0387	0.4060	1.2500e-003	0.1483	8.7000e-004	0.1492	0.0393	8.0000e-004	0.0401			124.2316	3.2200e-003		124.3122
Total	0.0526	0.0387	0.4060	1.2500e-003	0.1483	8.7000e-004	0.1492	0.0393	8.0000e-004	0.0401			124.2316	3.2200e-003		124.3122

3.5 Architectural Coating - 2023

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	30.8005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708			281.4481	0.0168		281.8690
Total	30.9922	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708			281.4481	0.0168		281.8690

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.5 Architectural Coating - 2023

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
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
Worker	0.0631	0.0464	0.4872	1.5000e-003	0.1780	1.0400e-003	0.1790	0.0472	9.6000e-004	0.0482			149.0779	3.8700e-003		149.1746
Total	0.0631	0.0464	0.4872	1.5000e-003	0.1780	1.0400e-003	0.1790	0.0472	9.6000e-004	0.0482			149.0779	3.8700e-003		149.1746

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	30.8005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951			281.4481	0.0168		281.8690
Total	30.8599	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951			281.4481	0.0168		281.8690

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

3.5 Architectural Coating - 2023

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
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
Worker	0.0631	0.0464	0.4872	1.5000e-003	0.1780	1.0400e-003	0.1790	0.0472	9.6000e-004	0.0482			149.0779	3.8700e-003		149.1746
Total	0.0631	0.0464	0.4872	1.5000e-003	0.1780	1.0400e-003	0.1790	0.0472	9.6000e-004	0.0482			149.0779	3.8700e-003		149.1746

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

Airport Hotel (Operational Year 2023) - San Luis Obispo 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	2.5505	8.6959	24.9677	0.0762	7.1026	0.0683	7.1709	1.8969	0.0639	1.9609			7,693.7049	0.2882		7,700.9110
Unmitigated	2.5768	8.8750	25.6452	0.0788	7.3690	0.0705	7.4395	1.9681	0.0660	2.0341			7,960.4334	0.2963		7,967.8403

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,705.44	1,705.44	1705.44	3,480,404	3,354,579
Parking Lot	0.00	0.00	0.00		
Total	1,705.44	1,705.44	1,705.44	3,480,404	3,354,579

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	8.30	8.30	8.30	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299
Parking Lot	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
NaturalGas Unmitigated	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

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	15198.9	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
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
Total		0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361

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	15.1989	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
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
Total		0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361

6.0 Area Detail

6.1 Mitigation Measures Area

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Unmitigated	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975

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	0.8047					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Total	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975

Airport Hotel (Operational Year 2023) - San Luis Obispo 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	0.8047					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Total	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Landscaping

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Summer

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

Airport Hotel (Operational Year 2023)
San Luis Obispo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	214.00	Space	1.80	85,600.00	0
Hotel	204.00	Room	3.24	125,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	438.13	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

Project Characteristics - Includes RPS adjustment.

Land Use - Lot acreage: 5.04; 1.8 ac parking, 3.24 ac hotel, hotel: 125,200sf

Construction Phase - No demo. Minimal site prep./included with grading phase. Grading:increased from 20 to 40 days. Other phases based on model defaults.

Off-road Equipment - Equipment based on model defaults.

Trips and VMT - Const trips based on model defaults.

On-road Fugitive Dust -

Demolition - No demolition required.

Grading - 8900cy imported 10000cy exported. Acres graded equivalent based on model default calc./equipment use.

Architectural Coating - Arch coating assumes use of low-VOC (50 g/L or less) content architectural paints. Asphalt paint based on model default.

Vehicle Trips - Based on trip-gen rate of 8.36 trips/room/day, without TDM. TDM reduction calculated separately. Avg. trip length: 8.3 miles.

Vehicle Emission Factors - Emission factors based on model defaults. SAFE off-model adjustments calculated separately.

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Water And Wastewater -

Construction Off-road Equipment Mitigation - 50%CE for watering travelways; 61%CE for watering graded surfaces; 15mph onsite speed limit; T3 equipment included for informational purposes.

Mobile Land Use Mitigation - Mitigated traffic includes project features for pedestrian connections. 2.6 miles to Amtrak/transit station.

Mobile Commute Mitigation - Reductions for TDM program (-3%) calculated separately.

Energy Mitigation - Reductions for compliance with current building standards calculated separately. Includes installation of energy-efficient appliances.

Water Mitigation - Includes installation of low-flow fixtures per current building standards. Project MAWA: 746972

Waste Mitigation - Includes 50% diversion of waste per current rate.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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	40.00
tblGrading	AcresOfGrading	20.00	10.00
tblGrading	MaterialExported	0.00	10,000.00
tblGrading	MaterialImported	0.00	8,900.00

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

tblLandUse	LandUseSquareFeet	296,208.00	125,200.00
tblLandUse	LotAcreage	1.93	1.80
tblLandUse	LotAcreage	6.80	3.24
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	438.13
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	2,363.00	2,362.00
tblVehicleTrips	CC_TL	5.00	8.30
tblVehicleTrips	CNW_TL	5.00	8.30
tblVehicleTrips	CW_TL	13.00	8.30
tblVehicleTrips	ST_TR	8.19	8.36
tblVehicleTrips	SU_TR	5.95	8.36
tblVehicleTrips	WD_TR	8.17	8.36

2.0 Emissions Summary

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Energy	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
Mobile	2.4787	9.1860	26.4068	0.0757	7.3690	0.0709	7.4399	1.9681	0.0663	2.0344			7,642.0016	0.3015		7,649.5401
Total	6.1609	10.6765	27.7012	0.0846	7.3690	0.1843	7.5533	1.9681	0.1797	2.1478			9,430.2033	0.3361	0.0328	9,448.3737

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Energy	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
Mobile	2.4526	8.9958	25.7711	0.0732	7.1026	0.0687	7.1713	1.8969	0.0643	1.9612			7,385.1736	0.2938		7,392.5176
Total	6.1348	10.4863	27.0655	0.0821	7.1026	0.1821	7.2847	1.8969	0.1777	2.0746			9,173.3753	0.3283	0.0328	9,191.3512

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.42	1.78	2.29	3.01	3.62	1.19	3.56	3.62	1.15	3.41	0.00	0.00	2.72	2.32	0.00	2.72

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	4/12/2022	6/6/2022	5	40	
2	Building Construction	Building Construction	5/10/2022	3/27/2023	5	230	
3	Paving	Paving	3/28/2023	4/24/2023	5	20	
4	Architectural Coating	Architectural Coating	4/25/2023	5/22/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 187,800; Non-Residential Outdoor: 62,600; Striped Parking Area: 5,136 (Architectural Coating – sqft)

OffRoad Equipment

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	15.00	0.00	2,362.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	89.00	35.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

Use Cleaner Engines for Construction Equipment

Use Soil Stabilizer

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3742	0.0000	6.3742	3.3520	0.0000	3.3520			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656			2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.3742	0.9409	7.3150	3.3520	0.8656	4.2176			2,872.0464	0.9289		2,895.2684

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4551	15.6651	3.9150	0.0448	1.0312	0.0636	1.0948	0.2826	0.0608	0.3434			4,848.3294	0.2957		4,855.7220
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
Worker	0.0642	0.0488	0.4295	1.2300e-003	0.1483	8.9000e-004	0.1492	0.0393	8.2000e-004	0.0402			123.0317	3.4700e-003		123.1185
Total	0.5193	15.7140	4.3445	0.0460	1.1795	0.0645	1.2440	0.3219	0.0616	0.3835			4,971.3611	0.2992		4,978.8405

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					2.4859	0.0000	2.4859	1.3073	0.0000	1.3073			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555			2,872.0464	0.9289		2,895.2684
Total	0.7263	14.8397	18.9906	0.0297	2.4859	0.7555	3.2415	1.3073	0.7555	2.0628			2,872.0464	0.9289		2,895.2684

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4551	15.6651	3.9150	0.0448	1.0312	0.0636	1.0948	0.2826	0.0608	0.3434			4,848.3294	0.2957		4,855.7220
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
Worker	0.0642	0.0488	0.4295	1.2300e-003	0.1483	8.9000e-004	0.1492	0.0393	8.2000e-004	0.0402			123.0317	3.4700e-003		123.1185
Total	0.5193	15.7140	4.3445	0.0460	1.1795	0.0645	1.2440	0.3219	0.0616	0.3835			4,971.3611	0.2992		4,978.8405

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612			2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612			2,554.3336	0.6120		2,569.6322

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Vendor	0.1022	3.1232	0.9555	6.7500e-003	0.1625	8.6600e-003	0.1712	0.0468	8.2800e-003	0.0551			719.3701	0.0446		720.4842
Worker	0.3808	0.2897	2.5482	7.3300e-003	0.8799	5.2900e-003	0.8852	0.2334	4.8800e-003	0.2382			729.9882	0.0206		730.5033
Total	0.4830	3.4129	3.5037	0.0141	1.0424	0.0140	1.0564	0.2802	0.0132	0.2933			1,449.3583	0.0652		1,450.9875

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036			2,554.3336	0.6120		2,569.6322
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036			2,554.3336	0.6120		2,569.6322

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Vendor	0.1022	3.1232	0.9555	6.7500e-003	0.1625	8.6600e-003	0.1712	0.0468	8.2800e-003	0.0551			719.3701	0.0446		720.4842
Worker	0.3808	0.2897	2.5482	7.3300e-003	0.8799	5.2900e-003	0.8852	0.2334	4.8800e-003	0.2382			729.9882	0.0206		730.5033
Total	0.4830	3.4129	3.5037	0.0141	1.0424	0.0140	1.0564	0.2802	0.0132	0.2933			1,449.3583	0.0652		1,450.9875

3.3 Building Construction - 2023

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584			2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584			2,555.2099	0.6079		2,570.4061

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.3 Building Construction - 2023

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
Vendor	0.0781	2.5782	0.8335	6.6200e-003	0.1626	3.9900e-003	0.1666	0.0468	3.8100e-003	0.0506			707.2936	0.0395		708.2816
Worker	0.3584	0.2604	2.3250	7.0500e-003	0.8799	5.1600e-003	0.8850	0.2334	4.7500e-003	0.2381			702.6118	0.0184		703.0711
Total	0.4365	2.8386	3.1585	0.0137	1.0424	9.1500e-003	1.0516	0.2802	8.5600e-003	0.2888			1,409.9054	0.0579		1,411.3527

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036			2,555.2099	0.6079		2,570.4061
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036			2,555.2099	0.6079		2,570.4061

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.3 Building Construction - 2023

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
Vendor	0.0781	2.5782	0.8335	6.6200e-003	0.1626	3.9900e-003	0.1666	0.0468	3.8100e-003	0.0506			707.2936	0.0395		708.2816
Worker	0.3584	0.2604	2.3250	7.0500e-003	0.8799	5.1600e-003	0.8850	0.2334	4.7500e-003	0.2381			702.6118	0.0184		703.0711
Total	0.4365	2.8386	3.1585	0.0137	1.0424	9.1500e-003	1.0516	0.2802	8.5600e-003	0.2888			1,409.9054	0.0579		1,411.3527

3.4 Paving - 2023

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694			2,207.5841	0.7140		2,225.4336
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2685	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694			2,207.5841	0.7140		2,225.4336

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.4 Paving - 2023

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
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
Worker	0.0604	0.0439	0.3919	1.1900e-003	0.1483	8.7000e-004	0.1492	0.0393	8.0000e-004	0.0401			118.4177	3.1000e-003		118.4951
Total	0.0604	0.0439	0.3919	1.1900e-003	0.1483	8.7000e-004	0.1492	0.0393	8.0000e-004	0.0401			118.4177	3.1000e-003		118.4951

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	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093			2,207.5841	0.7140		2,225.4336
Paving	0.2358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7967	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093			2,207.5841	0.7140		2,225.4336

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.4 Paving - 2023

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
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
Worker	0.0604	0.0439	0.3919	1.1900e-003	0.1483	8.7000e-004	0.1492	0.0393	8.0000e-004	0.0401			118.4177	3.1000e-003		118.4951
Total	0.0604	0.0439	0.3919	1.1900e-003	0.1483	8.7000e-004	0.1492	0.0393	8.0000e-004	0.0401			118.4177	3.1000e-003		118.4951

3.5 Architectural Coating - 2023

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	30.8005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708			281.4481	0.0168		281.8690
Total	30.9922	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708			281.4481	0.0168		281.8690

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.5 Architectural Coating - 2023

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
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
Worker	0.0725	0.0527	0.4702	1.4300e-003	0.1780	1.0400e-003	0.1790	0.0472	9.6000e-004	0.0482			142.1013	3.7200e-003		142.1942
Total	0.0725	0.0527	0.4702	1.4300e-003	0.1780	1.0400e-003	0.1790	0.0472	9.6000e-004	0.0482			142.1013	3.7200e-003		142.1942

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	30.8005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951			281.4481	0.0168		281.8690
Total	30.8599	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951			281.4481	0.0168		281.8690

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

3.5 Architectural Coating - 2023

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
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
Worker	0.0725	0.0527	0.4702	1.4300e-003	0.1780	1.0400e-003	0.1790	0.0472	9.6000e-004	0.0482			142.1013	3.7200e-003		142.1942
Total	0.0725	0.0527	0.4702	1.4300e-003	0.1780	1.0400e-003	0.1790	0.0472	9.6000e-004	0.0482			142.1013	3.7200e-003		142.1942

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4526	8.9958	25.7711	0.0732	7.1026	0.0687	7.1713	1.8969	0.0643	1.9612			7,385.1736	0.2938		7,392.5176
Unmitigated	2.4787	9.1860	26.4068	0.0757	7.3690	0.0709	7.4399	1.9681	0.0663	2.0344			7,642.0016	0.3015		7,649.5401

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,705.44	1,705.44	1705.44	3,480,404	3,354,579
Parking Lot	0.00	0.00	0.00		
Total	1,705.44	1,705.44	1,705.44	3,480,404	3,354,579

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	8.30	8.30	8.30	19.40	61.60	19.00	58	38	4
Parking Lot	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299
Parking Lot	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
NaturalGas Unmitigated	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

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	15198.9	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
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
Total		0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361

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	15.1989	0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361
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
Total		0.1639	1.4901	1.2517	8.9400e-003		0.1133	0.1133		0.1133	0.1133			1,788.1102	0.0343	0.0328	1,798.7361

6.0 Area Detail

6.1 Mitigation Measures Area

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Unmitigated	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975

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	0.8047					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Total	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8047					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.9500e-003	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975
Total	3.5183	3.9000e-004	0.0427	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004			0.0915	2.4000e-004		0.0975

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Landscaping

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

Airport Hotel (Operational Year 2023) - San Luis Obispo County, Winter

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
