

**Appendix A:
Air Quality, Energy, and Greenhouse Gas Emissions
Supporting Information**

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Appendix A: Air Quality Modeling Outputs and Calculations

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Fullerton Highland Drive CalEEMod Notes

- Note 1. CO₂ Intensity Factor adjusted to match Southern California Edison's (SCE) 2019 emissions rates. SCE's 2019 Sustainability Report¹ provides 534 pounds of CO₂e per megawatt-hour (lbs/MWh) for delivered electricity in 2019; therefore, the CO₂ intensity factor was adjusted to 534 lbs/MWh and CH₄ and N₂O intensity factors were reduced to zero.
- Note 2. Land uses and sizes associated with development of the proposed project are drawn from the Highland and Valencia Development plan set and Project Description, dated February 2021. Land uses utilized in the model represent the following:
1. Proposed Land Use: 20 dwelling units.
Modeled Land Use: Residential – Apartments Low-Rise – 20xDwelling Unit.
 2. Proposed Land Use: 2,143 square feet (sf) of retail space.
Modeled Land Use: Retail – Strip Mall – 2.14x1000sqft.
 3. Proposed Land Use: 32 parking spaces beneath proposed building.
Modeled Land Use: Parking – Enclosed Parking Structure – 32xSpace.
 4. Proposed Land Use: 5 parking spaces not beneath the proposed building.
Modeled Land Use: Parking – Parking Lot – 5xSpace.
 5. Proposed Land Use: concrete paved areas (9,600 sf on-site concrete and 2,200 sf of adjacent sidewalk).
Modeled Land Use: Parking – Other Non-Asphalt Surfaces – 11.8x1000sqft.
 6. Proposed Land Use: 7,000 sf of asphalt resurfacing
Modeled Land Use: Parking – Other Asphalt Surfaces – 7x1000sqft.
 7. Proposed Land Use: 3,060 sf of landscaping.
Modeled Land Use: Recreational – City Park – 0.07xAcre.
- Note 3. According to email correspondence with the Applicant on May 3, 2021, approximately 800 cubic yards of fill material would be imported and approximately 3,200 cubic yards of cut material would be exported during grading activities.
- Note 4. According to Applicant-provided information dated March 9, 2021, the existing 2,000 square foot car wash structure and 24,570 square feet of hardscape would be removed during demolition activities. This would result in the removal of an estimated 1,014 tons of demolition debris. Please see Demolition Calculations in Appendix A for more information.
- Note 5. During the construction model, all operational emission sources were reduced to zero to separate modeled construction emissions from operational emission results. During the operational models, all construction emission sources were reduced to zero to separate modeled construction and operational emission results.

¹ Southern California Edison. N.d. Edison International Sustainability Report 2019. Website: <https://www.edison.com/content/dam/eix/documents/sustainability/eix-2019-sustainability-report.pdf>. Accessed May 11, 2021.

Note 6. District Rule 403: Fugitive Dust Prohibitions was applied to project construction. This was represented in the model by selecting options for watering exposed areas at minimum twice per day and limiting construction vehicle speeds to 15 miles per hour on unpaved roads.

Note 7. In consultation with the City of Fullerton, FCS determined that the Institute of Transportation Engineers (ITE) code 220 (Apartments Low Rise) and ITE code 826 (Strip Mall) would be the most appropriate classifications to determine project-generated vehicle trips. Therefore, the vehicle trip generation rates for the Apartments Low-Rise land use were adjusted to match the weekday, Saturday, and Sunday vehicle trip generation rates associated with ITE code 220. Similarly, the vehicle trip generation rates for the Strip Mall land use were adjusted to match the weekday, Saturday, and Sunday vehicle trips generation rates associated with ITE code 826.

Land Use	ITE Code	Unit	Trip Generation Rate (trip ends per unit)		
			Weekday	Saturday	Sunday
Residential Apartments	220 – Apartments Low Rise (10 th Edition)	Dwelling Unit	7.32	8.14	6.28
Commercial	826 - Strip Mall (9 th Edition)	1,000sq ft	44.32	42.04	20.43

Note 8. According to District Rule 445: Wood Burning Devices, the proposed project would not be eligible for the installation of wood-burning stoves or fireplaces. Therefore, the wood mass burned in fireplaces and stoves was reduced to zero in the model.

Note 9. Outdoor water consumption rates were reduced to zero for the Apartment and Strip Mall land uses in the model as the City Park land use captures all landscaping contained in the proposed project. All indoor water consumption rates remain unchanged.

Note 10. The California Department of Resources Recycling and Recovery (CalRecycle)’s website contains several different residential waste generation rates.² The multifamily residential waste generation rate of 5.31 lbs./dwelling unit/day was selected to represent the proposed residential uses as this was the most recent multifamily residential waste generation rate provided by CalRecycle. The commercial retail waste generation rate of 2.5 lbs./1,000 square feet/day was selected to represent the proposed commercial retail uses as this was the most recent commercial retail waste generation rate provided by CalRecycle. Therefore, the residential waste generation rate in the model was adjusted to match 0.969 tons per dwelling unit per year, or 5.31 lbs. per dwelling unit per day, and the retail waste generation rate in the model was adjusted to match 0.456 tons per 1,000 square feet per year, or 2.5 lbs. per 1,000 square feet per year.

Note 11. According to email correspondence with the Applicant on May 3, 2021, the proposed project would comply with the requirements contained in California Code of Regulations,

² California Department of Resources Recycling and Recovery (CalRecycle). 2021. Estimated Solid Waste Generation Rates. Website: <https://www2.calrecycle.ca.gov/wastecharacterization/general/rates>. Accessed May 11, 2021.

Title 24, Part 6, Subchapter 8 – Low-Rise Residential Building – Performance and Prescriptive Compliance Approaches. According to this subchapter, “[a]ll low-rise residential buildings shall have a photovoltaic (PV) system meeting the minimum qualification requirements as specified in Joint Appendix JA11, with annual electrical output equal or greater than the dwelling’s annual electrical usage as determined by Equation 150.1-C:”

Equation 150.1-C Annual Photovoltaic Electrical Output

$$kW_{PV} = (CFA \times A)/1,000 + (ND_{well} \times B)$$

Where:

kW_{PV} = kWdc size of the PV system

CFA = conditioned floor area

ND_{well} = number of dwelling units

A = Adjustment factor from Table 150.1-C

B = Dwelling adjustment factor from Table 150.1-C

As the project is located in climate zone 8, the A adjustment factor mentioned above is identified as 0.586 and the B adjustment factor mentioned above is identified as 1.37. The conditioned floor area is drawn from Applicant-provided information dated March 9, 2021.

Therefore:

$$kW_{PV} = (18,496 \times 0.586)/1,000 + (20 \times 1.37) = 38.238656$$

While this accounts for the entire project’s kW PV system, it does not provide the annual production rate that would be generated by this size of system. Therefore, the total kW PV system was reduced to a per-dwelling-unit kW PV system to determine the expected annual production rate. 38.24 kW PV divided by 20 dwelling units results in an average 1.91 kW PV system per dwelling unit.

According to TheEcoExperts.com,³ a 2 kW PV system has an average annual production rate of 1,750 kWh/year. Therefore, the proposed project is expected to result in an average on-site electricity generation rate of 1,750 kWh per dwelling unit per year. The following equation converts this to total annual on-site electricity generation.

Therefore:

$$1,750 \text{ kWh/year} * 20 \text{ Residences} = 35,000 \text{ kWh/year}$$

³ TheEcoExperts. 2020. “Solar Panel Output.” Website: <http://www.theecoexperts.com/solar-panel-output/>. Accessed May 11, 2021.

Unmitigated Project Construction Emissions

Model File: 415 South Highland Project - Unmitigated Construction - Orange County, Annual
 Timestamp: Date: 5/11/2021 1:27 PM

Annual Construction Emissions (tons)

Year	Activity	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)	CO ₂ e (Metric Tons)
	on site	0.00	0.04	0.04	0.00	0.01	0.00	5.2
	off site	0.00	0.01	0.01	0.00	0.00	0.00	4.3
2021	Demolition	0.00	0.05	0.04	0.00	0.01	0.00	9.5
	on site	0.00	0.00	0.00	0.00	0.00	0.00	0.4
	off site	0.00	0.00	0.00	0.00	0.00	0.00	0.0
2021	Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.5
	on site	0.00	0.01	0.01	0.00	0.00	0.00	1.0
	off site	0.00	0.07	0.02	0.00	0.00	0.00	19.1
2021	Grading	0.00	0.07	0.03	0.00	0.01	0.00	20.2
	on site	0.00	0.04	0.04	0.00	0.00	0.00	5.0
	off site	0.00	0.00	0.01	0.00	0.00	0.00	2.3
2021	Building Construction	0.00	0.04	0.04	0.00	0.00	0.00	7.3
	on site	0.03	0.32	0.32	0.00	0.02	0.02	45.4
	off site	0.01	0.04	0.04	0.00	0.02	0.00	19.8
2022	Building Construction	0.04	0.35	0.36	0.00	0.03	0.02	65.2
	on site	0.00	0.01	0.02	0.00	0.00	0.00	2.4
	off site	0.00	0.00	0.00	0.00	0.00	0.00	0.4
2022	Paving	0.00	0.01	0.02	0.00	0.00	0.00	2.8
	on site	0.08	0.00	0.00	0.00	0.00	0.00	0.6
	off site	0.00	0.00	0.00	0.00	0.00	0.00	0.1
2022	Architectural Coating	0.08	0.00	0.00	0.00	0.00	0.00	0.8
	Total On Site	0.12	0.42	0.43	0.00	0.03	0.02	60.19
	Total Off Site	0.01	0.12	0.07	0.00	0.02	0.01	45.96
Total amortized over 30 years								4

Year	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)	CO ₂ e (Metric Tons)
	0.01	0.09	0.08	0.00	0.01	0.01	11.75
	0.00	0.08	0.03	0.00	0.01	0.00	25.67
Year: 2021	0.01	0.17	0.11	0.00	0.02	0.01	37.4
	0.11	0.33	0.34	0.00	0.02	0.02	48.44
	0.01	0.04	0.04	0.00	0.02	0.00	20.28
Year: 2022	0.12	0.37	0.39	0.00	0.03	0.02	68.7

Unmitigated Project Construction Emissions

Model File: 415 South Highland Project - Unmitigated Construction - Orange County, Summer
 Timestamp: Date: 5/11/2021 1:28 PM

Summer Maximum Daily Construction Emissions (pounds)

Year	Activity	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
	on site	0.80	7.25	7.57	0.01	1.38	0.54
	off site	0.11	2.56	1.00	0.01	0.29	0.54
2021	Demolition	0.90	9.82	8.57	0.02	1.68	0.09
	on site	0.64	7.82	4.03	0.01	0.54	0.30
	off site	0.02	0.01	0.15	0.00	0.06	0.02
2021	Site Preparation	0.66	7.83	4.18	0.01	0.59	0.32
	on site	0.80	7.25	7.57	0.01	0.85	0.59
	off site	1.84	63.58	17.76	0.19	4.66	1.41
2021	Grading	2.63	70.83	25.33	0.20	5.51	2.00
	on site	0.78	7.99	7.26	0.01	0.45	0.41
	off site	0.12	0.81	1.05	0.00	0.37	0.10
2021	Building Construction	0.90	8.80	8.32	0.02	0.82	0.51
	on site	0.69	7.03	7.15	0.01	0.37	0.34
	off site	0.12	0.77	0.99	0.00	0.37	0.10
2022	Building Construction	0.80	7.79	8.14	0.02	0.74	0.44
	on site	0.76	5.92	7.03	0.01	0.30	0.28
	off site	0.06	0.04	0.51	0.00	0.20	0.05
2022	Paving	0.82	5.95	7.55	0.01	0.50	0.33
	on site	31.78	1.41	1.81	0.00	0.08	0.08
	off site	0.02	0.01	0.17	0.00	0.07	0.02
2022	Architectural Coating	31.80	1.42	1.98	0.00	0.15	0.10
	Total On Site	36.23	44.66	42.43	0.07	3.97	2.54
	Total Off Site	2.28	67.78	21.64	0.21	6.02	2.24

Model File: 415 South Highland Project - Unmitigated Construction - Orange County, Winter
 Timestamp: Date: 5/11/2021 1:29 PM

Winter Maximum Daily Construction Emissions (pounds)

Year	Activity	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
	on site	0.80	7.25	7.57	0.01	1.38	0.54
	off site	0.11	2.60	1.01	0.01	0.29	0.09
2021	Demolition	0.91	9.85	8.58	0.02	1.68	0.62
	on site	0.64	7.82	4.03	0.01	0.54	0.30
	off site	0.02	0.01	0.14	0.00	0.06	0.02
2021	Site Preparation	0.66	7.83	4.17	0.01	0.59	0.32
	on site	0.80	7.25	7.57	0.01	0.85	0.59
	off site	1.89	64.33	18.61	0.19	4.67	1.42
2021	Grading	2.68	71.58	26.18	0.20	5.52	2.01
	on site	0.78	7.99	7.26	0.01	0.45	0.41
	off site	0.14	0.82	1.01	0.00	0.37	0.10
2021	Building Construction	0.91	8.80	8.27	0.02	0.82	0.51
	on site	0.69	7.03	7.15	0.01	0.37	0.34
	off site	0.13	0.77	0.95	0.00	0.37	0.10
2022	Building Construction	0.82	7.79	8.10	0.02	0.74	0.44
	on site	0.76	5.92	7.03	0.01	0.30	0.28
	off site	0.07	0.04	0.47	0.00	0.20	0.05
2022	Paving	0.83	5.96	7.50	0.01	0.50	0.33
	on site	31.78	1.41	1.81	0.00	0.08	0.08
	off site	0.02	0.01	0.16	0.00	0.07	0.02
2022	Architectural Coating	31.80	1.42	1.97	0.00	0.15	0.10
	Total On Site	36.23	44.66	42.43	0.07	3.97	2.54
	Total Off Site	2.38	68.57	22.34	0.21	6.02	1.79

Total amortized over 30 years

Maximum On-Site Daily Construction Emissions (lbs/day)

	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
Maximum Daily Emissions	31.78	7.99	7.57	0.01	1.38	0.59
Activity	Architectural Coating	Building Construction	Grading	Grading	Demolition	Grading
Season	Summer	Winter	Winter	Winter	Winter	Winter
Year	2022	2021	2021	2021	2021	2021

Maximum Total Daily Construction Emissions (lbs/day)

	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
Maximum Daily Emissions	31.80	71.58	26.18	0.20	5.52	2.01
Activity	Architectural Coating	Grading	Grading	Grading	Grading	Grading
Season	Summer	Winter	Winter	Winter	Winter	Winter
Activity	2022	2021	2021	2021	2021	2021

Demolition Calculations

Parameters ¹			
1	building sq ft	10	cf building volume
1	cf building volume	0.25	cf waste volume
1	cf	0.037	cy
1	cy waste volume	0.5	ton waste weight
1	sf	0.04625	ton waste material

Existing	Description	Location	Square Feet ²	Depth (ft) ³	Density (lbs/cf) ⁴	Demolition Weight (pounds)	Demolition Weight (tons)
Building g.s.f.	Buildings	Project Site	2,000				92.50
Hardscape g.s.f.	Hardscape	Project Site	24,570	0.5	150	1,842,750	921.38
						Total Tons of Debris	1,014

Notes:

cy = cubic yards

g.s.f = gross square feet

cf = cubic feet

sf = square feet

ft = feet

Sources:

¹ California Air Pollution Control Officers Association (CAPCOA). 2017. Appendix A Calculation Details for CalEEMod. October.

² Building and hardscape square footage provided by the Applicant in a Request for Information document, dated March 9, 2021.

³ DC Construction Services. 2017. How Thick Is Parking Lot Asphalt? Website: <https://dccpaving.com/how-thick-is-parking-lot-asphalt/>. Accessed May 11, 2021.

⁴ SFGate. 2019. How to Calculate Asphalt Weight Per Yard. Website: <https://homeguides.sfgate.com/calculate-asphalt-weight-per-yard-81825.html>. Accessed May 11, 2021.

Operational 2022 Emissions Summary (Existing)

Existing Operations - Summer and Winter Scenarios

415 South Highland Project - Existing Land Uses - Orange County, Summer

CalEEMod Run: Summer. Date: 5/11/2021 3:59 PM

Emissions Source	Pounds per Day					
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
Area	0.06	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.01	0.01	0.00	0.00	0.00
Mobile	0.05	0.18	0.47	0.00	0.14	0.04
Total	0.11	0.19	0.48	0.00	0.14	0.04

415 South Highland Project - Existing Land Uses - Orange County, Winter

CalEEMod Run: Winter. Date: 5/11/2021 4:00 PM

Emissions Source	Pounds per Day					
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
Area	0.06	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.01	0.01	0.00	0.00	0.00
Mobile	0.05	0.18	0.47	0.00	0.14	0.04
Total	0.11	0.19	0.48	0.00	0.14	0.04

Existing Operations - Maximum Daily Emissions

American Canyon Hampton Inn - Existing Operation Only - Napa County

Maximum between Summer and Winter Scenarios

Emissions Source	Pounds per Day					
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
Total	0.11	0.19	0.48	0.00	0.14	0.04
CalEEMod Run	Summer	Winter	Winter	Winter	Winter	Winter

Operational 2022 Emissions Summary

Proposed Project Operations - Summer and Winter Scenarios

415 South Highland Project - Unmitigated Operation - Orange County, Summer

CalEEMod Run: Summer. Date: 5/11/2021 3:51 PM

Emissions Source	Pounds per Day					
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
Area	0.59	0.30	1.78	0.00	0.03	0.03
Energy	0.01	0.07	0.03	0.00	0.01	0.01
Mobile	0.39	1.61	5.59	0.02	2.04	0.56
Total	0.99	1.97	7.40	0.02	2.08	0.59

415 South Highland Project - Unmitigated Operation - Orange County, Winter

CalEEMod Run: Winter. Date: 5/11/2021 3:51 PM

Emissions Source	Pounds per Day					
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)
Area	0.59	0.30	1.78	0.00	0.03	0.03
Energy	0.01	0.07	0.03	0.00	0.01	0.01
Mobile	0.39	1.65	5.32	0.02	2.04	0.56
Total	0.99	2.02	7.12	0.02	2.08	0.59

Proposed Project Operations - Maximum Daily Emissions

American Canyon Hampton Inn - Unmitigated Operation Only - Napa County

Maximum between Summer and Winter Scenarios

Emissions Source	Pounds per Day					
	ROG	NO _x	PM ₁₀ (Exhaust)	PM ₁₀ (Total)	PM _{2.5} (Exhaust)	PM _{2.5} (Total)
Existing Total	0.11	0.19	0.48	0.00	0.14	0.04
Proposed Project	0.99	2.02	7.12	0.02	2.08	0.59
CalEEMod Run	Summer	Winter	Winter	Winter	Winter	Winter
Net Proposed Project Emissions	0.88	1.83	6.65	0.02	1.94	0.55

Net Annual Operational 2022 Emissions Summary

Existing Operations - Annual Emissions

415 South Highland Project - Existing Land Uses - Orange County, Annual

CalEEMod Run: Annual. Date: 5/11/2021 3:58 PM

Emissions Source	Tons per Year						Metric Tons per Year
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)	Total CO ₂ e
Area	0.01	0.00	0.00	0.00	0.00	0.00	0.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	8.4
Mobile	0.01	0.03	0.08	0.00	0.02	0.00	23.6
Waste	0.00	0.00	0.00	0.00	0.00	0.00	3.8
Water	0.00	0.00	0.00	0.00	0.00	0.00	1.2
Annual Total	0.02	0.03	0.08	0.00	0.02	0.00	37.1

Proposed Project Operations - Annual Emissions

415 South Highland Project - Unmitigated Operation - Orange County, Annual

CalEEMod Run: Annual. Date: 5/11/2021 3:50 PM

Emissions Source	Tons per Year						Metric Tons per Year
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)	Total CO ₂ e
Area	0.10	0.01	0.21	0.00	0.00	0.00	4.5
Energy	0.00	0.01	0.01	0.00	0.00	0.00	34.9
Mobile	0.06	0.28	0.89	0.00	0.33	0.09	323.8
Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.7
Water	0.00	0.00	0.00	0.00	0.00	0.00	6.8
Annual Total	0.16	0.29	1.10	0.00	0.33	0.09	370.7
<i>Amortized Construction Emissions (30 years)</i>							4
Total Operational GHG Emissions (MTCO₂e/year)							375

Net Operational Emissions between Existing and Proposed

Emissions Source	Tons per Year						Metric Tons per Year
	VOC	NO _x	CO	SO _x	PM ₁₀ (Total)	PM _{2.5} (Total)	NBio-CO ₂ e
Annual Total	0.14	0.26	1.02	0.00	0.31	0.09	339

Project Energy Use Summary

Summary of Energy Use During Construction

(Annually)

Construction vehicle fuel	2,272 gallons (gasoline, diesel)
Construction equipment fuel	6,223 gallons (diesel)
Total construction fuel	8,496 gallons (gasoline, diesel)
Construction office electricity	4,506 kilowatt hours

Summary of Energy Use During Operations

(Annually)

Operation vehicle fuel	33,460 gallons (gasoline, diesel)
Operation natural gas	259,472 kilo-British Thermal Units
Operation electricity	121,560 kilowatt hours

Construction Vehicle Fuel Calculations

California Air Resource Board (ARB). 2021. EMFAC2014 Web Database. Website: <https://www.arb.ca.gov/emfac/2014/>. Accessed May 12, 2021.

VMT = Vehicle Miles Traveled
FE = Fuel Economy

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County

Region: Orange

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdYr	Speed	Fuel	Population	VMT	Trips	Fuel_Consumption	Calculations	
										(mi/day)	(1000 gallons/day)
Orange		2021 HHDT	Aggregated	Aggregated	GAS	128.58523	16258.61022	2572.733	3.367125	4.828632453	78506.85295
Orange		2021 HHDT	Aggregated	Aggregated	DSL	10366.921	1340590.535	0	235.3444	5.696291364	7636394.287
Orange		2021 LDA	Aggregated	Aggregated	GAS	1329656.2	43244684.59	8424283	1463.148	29.55591027	1278136017
Orange		2021 LDA	Aggregated	Aggregated	DSL	13941.445	477034.8899	87281.69	12.19933	39.10337491	18653674.15
Orange		2021 LDT1	Aggregated	Aggregated	GAS	104645.14	3542957.13	640253.9	141.4707	25.04375799	88728960.93
Orange		2021 LDT1	Aggregated	Aggregated	DSL	92.33054	2263.744647	473.5806	0.075168	30.1157171	68174.29339
Orange		2021 LDT2	Aggregated	Aggregated	GAS	450769.06	17061486.13	2855298	770.2547	22.15044814	377919563.8
Orange		2021 LDT2	Aggregated	Aggregated	DSL	807.41909	33663.60299	5199.522	1.131282	29.75704534	1001729.36
Orange		2021 LHDT1	Aggregated	Aggregated	GAS	23021.071	641361.2941	342979.7	57.95816	11.06593677	7097263.524
Orange		2021 LHDT1	Aggregated	Aggregated	DSL	19458.832	671287.2512	244767.6	32.5059	20.65124342	13862916.43
Orange		2021 LHDT2	Aggregated	Aggregated	GAS	4982.1831	166918.0473	74227.11	16.19124	10.30915493	1720784.01
Orange		2021 LHDT2	Aggregated	Aggregated	DSL	8012.5734	304884.8869	100788.1	16.08206	18.95807642	5780030.986
Orange		2021 MHDT	Aggregated	Aggregated	GAS	4525.4523	195383.6661	90545.25	27.93092	6.995245757	1366756.761
Orange		2021 MHDT	Aggregated	Aggregated	DSL	32187.703	1877904.208	0	215.5058	8.713936522	16363938.06

Worker
Sum of VMT*FE (Column BI) 1764508120
Total VMT 64362090.09
Weighted Average FE 27.41533281

Vendor
Sum of VMT*FE (Column BI) 53906590.91
Total VMT 5214588.498
Weighted Average FE 10.33765002

Haul
Sum of VMT*FE (Column BI) 7714901.14
Total VMT 1356849.145
Weighted Average FE 5.685894536

Project Construction Assumptions

On-site Construction

Source: AQ/GHG Appendix, CalEEMod Output

American Canyon Hampton Inn - Mitigated Construction T3 - Napa County, Annual

Date: 4/29/2021 8:15 AM

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days	
					Week	Num Days
Demolition	Demolition	Demolition	12/1/2021	12/14/2021	5	10
Site Preparation	Site Preparation	Site Preparation	12/15/2021	12/15/2021	5	1
Grading	Grading	Grading	12/16/2021	12/17/2021	5	2
Building Construction	Building Construction	Building Construction	12/18/2021	5/6/2022	5	100
Paving	Paving	Paving	5/7/2022	5/13/2022	5	5
Architectural Coating	Architectural Coating	Architectural Coating	5/14/2022	5/20/2022	5	5

Trips and VMT	Phase Name	Trips per Day				Trips per Phase				VMT per Phase			Fuel Consumption (gallons)				
		Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Total Trips	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Total Trips	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips		
																Worker Trip Length	Vendor Trip Length
Demolition		10	0	100	14.7	6.9	20 LD_Mix	10	100	0	100	1,470	0	2,000	53.62	0.00	17.59
Site Preparation		5	0	0	14.7	6.9	20 LD_Mix	1	5	0	0	74	0	0	2.68	0.00	0.00
Grading		10	0	500	14.7	6.9	20 LD_Mix	2	20	0	500	294	0	10,000	10.72	0.00	87.94
Building Construction		28	8	0	14.7	6.9	20 LD_Mix	100	2,800	800	0	41,160	5,520	0	1,501.35	533.97	0.00
Paving		18	0	0	14.7	6.9	20 LD_Mix	5	90	0	0	1,323	0	0	48.26	0.00	0.00
Architectural Coating		6	0	0	14.7	6.9	20 LD_Mix	5	30	0	0	441	0	0	16.09	0.00	0.00
On-site Total Construction VMT (miles)		62,282															
On-Site Total Fuel Consumption (gallons)		2,272															

Construction Equipment Fuel Calculation

On-site

Source: AQ/GHG Appendix, CalEEMod Output

415 South Highland Project - Unmitigated Construction - Orange County, Annual

Date: 5/11/2021 1:27 PM

Construction Schedule	Phase Name	Phase Type	Start Date	End Date	Num Days	
					Week	Num Days
	Demolition	Demolition	12/1/2021	12/14/2021	5	10
	Site Preparation	Site Preparation	12/15/2021	12/15/2021	5	1
	Grading	Grading	12/16/2021	12/17/2021	5	2
	Building Construction	Building Construction	12/18/2021	5/6/2022	5	100
	Paving	Paving	5/7/2022	5/13/2022	5	5
	Architectural Coating	Architectural Coating	5/14/2022	5/20/2022	5	5

Construction Equipment	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load		HP Hours	Diesel Fuel Usage
						Factor	Number of Days		
	Demolition	Concrete/Industrial Saws	1	8	81	0.73	10	4,730.40	236.52
	Demolition	Rubber Tired Dozers	1	1	247	0.4	10	988.00	49.40
	Demolition	Tractors/Loaders/Backhoes	2	6	97	0.37	10	4,306.80	215.34
	Site Preparation	Graders	1	8	187	0.41	1	613.36	30.67
	Site Preparation	Tractors/Loaders/Backhoes	1	8	97	0.37	1	287.12	14.36
	Grading	Concrete/Industrial Saws	1	8	81	0.73	2	946.08	47.30
	Grading	Rubber Tired Dozers	1	1	247	0.4	2	197.60	9.88
	Grading	Tractors/Loaders/Backhoes	2	6	97	0.37	2	861.36	43.07
	Building Construction	Cranes	1	4	231	0.29	100	26,796.00	1,339.80
	Building Construction	Forklifts	2	6	89	0.2	100	21,360.00	1,068.00
	Building Construction	Tractors/Loaders/Backhoes	2	8	97	0.37	100	57,424.00	2,871.20
	Paving	Cement and Mortar Mixers	4	6	9	0.56	5	604.80	30.24
	Paving	Pavers	1	7	130	0.42	5	1,911.00	95.55
	Paving	Rollers	1	7	80	0.38	5	1,064.00	53.20
	Paving	Tractors/Loaders/Backhoes	1	7	97	0.37	5	1,256.15	62.81
	Architectural Coating	Air Compressors	1	6	78	0.48	5	1,123.20	56.16
Construction Equipment Fuel Consumption									6,223.49 gallons

Notes:

Equipment assumptions are provided in the CalEEMod output files.

Fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

South Coast Air Quality Management District. 1993. Air Quality Handbook, Table A9-3E.

Website: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook>. Accessed May 12, 2021.

Construction Office Electricity Calculation

Energy Appendix: CalEEMod Typical Construction Trailer
 CalEEMod Typical Construction Trailer - Orange County, Annual
 Date: 5/12/2021 7:58 PM

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	10072.8	2.4398	0.0000	0.0000	2.4398
Total		2.4398	0.0000	0.0000	2.4398

kWh/yr = kilowatt hours per year

Energy by Land Use - Electricity

Annual

13,373 kWh/yr

Total Over Construction

4,506 kWh

Total Construction Schedule

Start

12/1/2021

End

5/20/2022

Total Workdays

123

Years

0.34

Proposed Operation Fuel Calculation

California Air Resource Board (ARB). 2021. EMFAC2014 Web Database. Website: <https://www.arb.ca.gov/emfac/2014/>. Accessed May 12, 2021.

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County

Region: Orange

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

VMT = Vehicle Miles Traveled

FE = Fuel Economy

Given

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Fuel			Calculations	
						Population	VMT	Consumption	FE	VMT*FE
Orange	2022	HHDT	Aggregated	Aggregated	GAS	136.705615	17110.6358	3.514533555	4.868537	83303.75965
Orange	2022	HHDT	Aggregated	Aggregated	DSL	10588.2549	1386383.2	240.0200687	5.776114	8007906.998
Orange	2022	LDA	Aggregated	Aggregated	GAS	1347756.56	43186802.7	1417.409009	30.46884	1315851613
Orange	2022	LDA	Aggregated	Aggregated	DSL	14760.1243	493620.708	12.26348349	40.25126	19868857.28
Orange	2022	LDT1	Aggregated	Aggregated	GAS	105447.713	3543381.3	137.0006654	25.86397	91645912.77
Orange	2022	LDT1	Aggregated	Aggregated	DSL	90.4493558	2237.23832	0.07190658	31.11312	69607.47268
Orange	2022	LDT2	Aggregated	Aggregated	GAS	457566.505	17132408.4	746.1065477	22.96242	393401476.4
Orange	2022	LDT2	Aggregated	Aggregated	DSL	859.782911	34780.6981	1.135398871	30.63302	1065437.872
Orange	2022	LHDT1	Aggregated	Aggregated	GAS	21801.9767	599144.148	53.94021758	11.10756	6655028.957
Orange	2022	LHDT1	Aggregated	Aggregated	DSL	19857.7177	674835.807	32.40247596	20.82667	14054585.44
Orange	2022	LHDT2	Aggregated	Aggregated	GAS	4900.52799	163242.73	15.74147652	10.37023	1692864.641
Orange	2022	LHDT2	Aggregated	Aggregated	DSL	8318.37615	311655.453	16.28657695	19.13572	5963752.973
Orange	2022	MCY	Aggregated	Aggregated	GAS	62594.3457	403694.941	11.18994471	36.07658	14563933.04
Orange	2022	MDV	Aggregated	Aggregated	GAS	294388.742	8974364.15	537.1983417	16.70587	149924535.5
Orange	2022	MDV	Aggregated	Aggregated	DSL	5365.69118	190257.034	8.091580117	23.51296	4473506.826
Orange	2022	MH	Aggregated	Aggregated	GAS	7391.22807	58051.9954	7.820601308	7.422958	430917.5258
Orange	2022	MH	Aggregated	Aggregated	DSL	2340.17527	18526.9294	1.8103042	10.23415	189607.4227
Orange	2022	MHDT	Aggregated	Aggregated	GAS	4507.86562	192097.887	27.32495859	7.030125	1350472.245
Orange	2022	MHDT	Aggregated	Aggregated	DSL	33694.7501	1924728.22	220.0137039	8.74822	16837945.27
Orange	2022	OBUS	Aggregated	Aggregated	GAS	1659.21856	74988.5133	10.25748177	7.310616	548212.2465
Orange	2022	OBUS	Aggregated	Aggregated	DSL	839.341396	68169.0407	9.243845368	7.374533	502714.825
Orange	2022	SBUS	Aggregated	Aggregated	GAS	431.854731	15976.0929	1.397063278	11.43548	182694.3334
Orange	2022	SBUS	Aggregated	Aggregated	DSL	862.443712	32734.5114	4.512533839	7.254131	237460.432
Orange	2022	UBUS	Aggregated	Aggregated	GAS	511.789868	56190.666	11.12905041	5.049008	283707.1296
Orange	2022	UBUS	Aggregated	Aggregated	DSL	639.404008	70201.7358	13.49272812	5.202931	365254.7996

Vehicles	
Sum of VMT*FE	2048251309
Total VMT	79625584.76
Weighted Average FE	25.7235324 miles/gallon

Total VMT

Source: AQ/GHG Appendix, CalEEMod Output

415 South Highland Project - Unmitigated Operation - Orange County, Annual

Date: 5/11/2021 3:50 PM

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Apartments Low Rise	146.40	162.80	125.60	561,148	561,148
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	94.84	89.97	43.72	299,555	299,555
Unenclosed Parking Structure	0.00	0.00	0.00		
Total	241.24	252.77	169.32	860,703	860,703

Total VMT	Annual VMT (miles)	Fuel Consumption	gallons per year
	860,703	33,460	

Operation Natural Gas Use

Source: AQ/GHG Appendix, CalEEMod Output

415 South Highland Project - Unmitigated Operation - Orange County, Annual

Date: 5/11/2021 3:50 PM

kBTU/yr = kilo-British Thermal Units/year

Natural Gas Use

Apartments Low Rise 255,192
 Strip Mall 4,280

Total 259,472 kBTU/yr

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Land Use	kBTU/yr	tons/yr									
Apartments Low Rise	255192	1.3800e-003	0.0118	5.0000e-003	8.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000
Strip Mall	4280	2.0000e-005	2.1000e-004	1.8000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000
Total		1.4000e-003	0.0120	5.1800e-003	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004

Operation Electricity Use

Source: AQ/GHG Appendix, CalEEMod Output

415 South Highland Project - Unmitigated Operation - Orange County, Annual

Date: 5/11/2021 3:50 PM

Project Electricity Use

kWh/yr = kilowatt hours per year

Land Use	Electricity Use (kWh/yr)
Apartments Low Rise	83,203
Parking Lot	700
Strip Mall	24,482
Unenclosed Parking Structure	13,176

Total **121,560 kWh/yr**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	83202.6	20.1532	0.0000	0.0000	20.1532
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	700	0.1696	0.0000	0.0000	0.1696
Strip Mall	24481.6	5.9299	0.0000	0.0000	5.9299
Unenclosed Parking Structure	13175.8	3.1914	0.0000	0.0000	3.1914
Total		29.4440	0.0000	0.0000	29.4440

415 South Highland Project - Unmitigated Construction - Orange County, Annual

**415 South Highland Project - Unmitigated Construction
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0
Other Non-Asphalt Surfaces	11.80	1000sqft	0.27	11,800.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Unenclosed Parking Structure	32.00	Space	0.17	7,529.00	0
City Park	0.07	Acre	0.07	3,060.00	0
Apartments Low Rise	20.00	Dwelling Unit	0.06	20,799.00	57
Strip Mall	2.14	1000sqft	0.03	2,140.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use - CalEEMod Note 2

Construction Phase -

- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Demolition - CalEEMod Note 4
- Grading - CalEEMod Note 3
- Vehicle Trips - CalEEMod Note 5
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Woodstoves - CalEEMod Note 5
- Consumer Products - CalEEMod Note 5
- Area Coating - CalEEMod Note 5
- Energy Use - CalEEMod Note 5
- Water And Wastewater - CalEEMod Note 5
- Solid Waste - CalEEMod Note 5
- Construction Off-road Equipment Mitigation - CalEEMod Note 6

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	1.98E-05	1E-20
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-20
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-20
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	5.71	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,172.76	0.00

tblEnergyUse	NT24E	2.80	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	177.01	0.00
tblEnergyUse	T24E	2.93	0.00
tblEnergyUse	T24NG	7,243.59	0.00
tblEnergyUse	T24NG	0.95	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	17.00	0.00
tblGrading	MaterialExported	0.00	3,200.00
tblGrading	MaterialImported	0.00	800.00
tblLandUse	LandUseSquareFeet	12,800.00	7,529.00
tblLandUse	LandUseSquareFeet	3,049.20	3,060.00
tblLandUse	LandUseSquareFeet	20,000.00	20,799.00
tblLandUse	LotAcreage	0.29	0.17
tblLandUse	LotAcreage	1.25	0.06
tblLandUse	LotAcreage	0.05	0.03
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblSolidWaste	SolidWasteGenerationRate	9.20	0.00
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	2.25	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	6.07	0.00

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	1,303,080.51	0.00
tblWater	IndoorWaterUseRate	158,515.20	0.00
tblWater	OutdoorWaterUseRate	821,507.28	0.00
tblWater	OutdoorWaterUseRate	83,403.69	0.00
tblWater	OutdoorWaterUseRate	97,154.47	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0120	0.1703	0.1120	3.9000e-004	0.0197	5.1000e-003	0.0248	4.1900e-003	4.7800e-003	8.9700e-003	0.0000	37.2862	37.2862	5.4400e-003	0.0000	37.4222
2022	0.1177	0.3698	0.3886	7.6000e-004	0.0168	0.0178	0.0346	4.5000e-003	0.0164	0.0209	0.0000	68.3148	68.3148	0.0162	0.0000	68.7203
Maximum	0.1177	0.3698	0.3886	7.6000e-004	0.0197	0.0178	0.0346	4.5000e-003	0.0164	0.0209	0.0000	68.3148	68.3148	0.0162	0.0000	68.7203

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0120	0.1703	0.1120	3.9000e-004	0.0131	5.1000e-003	0.0182	3.0300e-003	4.7800e-003	7.8100e-003	0.0000	37.2862	37.2862	5.4400e-003	0.0000	37.4222
2022	0.1177	0.3698	0.3886	7.6000e-004	0.0168	0.0178	0.0346	4.5000e-003	0.0164	0.0209	0.0000	68.3148	68.3148	0.0162	0.0000	68.7202
Maximum	0.1177	0.3698	0.3886	7.6000e-004	0.0168	0.0178	0.0346	4.5000e-003	0.0164	0.0209	0.0000	68.3148	68.3148	0.0162	0.0000	68.7202

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	18.23	0.00	11.21	13.35	0.00	3.88	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-1-2021	2-28-2022	0.3399	0.3399
2	3-1-2022	5-31-2022	0.3058	0.3058
		Highest	0.3399	0.3399

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	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	6.3100e-003	2.3900e-003	0.2072	1.0000e-005	0.0000	1.1400e-003	1.1400e-003	0.0000	1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466
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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	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3100e-003	2.3900e-003	0.2072	1.0000e-005	0.0000	1.1400e-003	1.1400e-003	0.0000	1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	12/14/2021	5	10	
2	Site Preparation	Site Preparation	12/15/2021	12/15/2021	5	1	
3	Grading	Grading	12/16/2021	12/17/2021	5	2	
4	Building Construction	Building Construction	12/18/2021	5/6/2022	5	100	

5	Paving	Paving	5/7/2022	5/13/2022	5	5
6	Architectural Coating	Architectural Coating	5/14/2022	5/20/2022	5	5

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.65

Residential Indoor: 42,118; Residential Outdoor: 14,039; Non-Residential Indoor: 3,212; Non-Residential Outdoor: 1,071; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
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
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Demolition	4	10.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	28.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0109	0.0000	0.0109	1.6400e-003	0.0000	1.6400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	3.9800e-003	0.0363	0.0379	6.0000e-005	0.0109	2.0400e-003	0.0129	1.6400e-003	1.9400e-003	3.5800e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289

Unmitigated Construction Off-Site

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

Hauling	3.6000e-004	0.0131	3.5700e-003	4.0000e-005	8.6000e-004	4.0000e-005	9.0000e-004	2.3000e-004	4.0000e-005	2.7000e-004	0.0000	3.7977	3.7977	4.0000e-004	0.0000	3.8077
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.2000e-004	1.4400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4586	0.4586	1.0000e-005	0.0000	0.4588
Total	5.4000e-004	0.0132	5.0100e-003	5.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	3.8000e-004	4.0000e-005	4.2000e-004	0.0000	4.2563	4.2563	4.1000e-004	0.0000	4.2666

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					4.8800e-003	0.0000	4.8800e-003	7.4000e-004	0.0000	7.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0363	0.0379	6.0000e-005		2.0400e-003	2.0400e-003		1.9400e-003	1.9400e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289
Total	3.9800e-003	0.0363	0.0379	6.0000e-005	4.8800e-003	2.0400e-003	6.9200e-003	7.4000e-004	1.9400e-003	2.6800e-003	0.0000	5.2047	5.2047	9.7000e-004	0.0000	5.2289

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	3.6000e-004	0.0131	3.5700e-003	4.0000e-005	8.6000e-004	4.0000e-005	9.0000e-004	2.3000e-004	4.0000e-005	2.7000e-004	0.0000	3.7977	3.7977	4.0000e-004	0.0000	3.8077
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.2000e-004	1.4400e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4586	0.4586	1.0000e-005	0.0000	0.4588

Total	5.4000e-004	0.0132	5.0100e-003	5.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	3.8000e-004	4.0000e-005	4.2000e-004	0.0000	4.2563	4.2563	4.1000e-004	0.0000	4.2666
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3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.9100e-003	2.0100e-003	0.0000		1.5000e-004	1.5000e-004		1.4000e-004	1.4000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310
Total	3.2000e-004	3.9100e-003	2.0100e-003	0.0000	2.7000e-004	1.5000e-004	4.2000e-004	3.0000e-005	1.4000e-004	1.7000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-004	3.9100e-003	2.0100e-003	0.0000		1.5000e-004	1.5000e-004		1.4000e-004	1.4000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310
Total	3.2000e-004	3.9100e-003	2.0100e-003	0.0000	1.2000e-004	1.5000e-004	2.7000e-004	1.0000e-005	1.4000e-004	1.5000e-004	0.0000	0.4276	0.4276	1.4000e-004	0.0000	0.4310

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229

3.4 Grading - 2021

Unmitigated Construction On-Site

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

Fugitive Dust					9.8000e-004	0.0000	9.8000e-004	4.5000e-004	0.0000	4.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005		4.1000e-004	4.1000e-004		3.9000e-004	3.9000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458
Total	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005	9.8000e-004	4.1000e-004	1.3900e-003	4.5000e-004	3.9000e-004	8.4000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458

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	1.8200e-003	0.0655	0.0178	1.9000e-004	4.2800e-003	2.0000e-004	4.4900e-003	1.1700e-003	1.9000e-004	1.3700e-003	0.0000	18.9886	18.9886	2.0000e-003	0.0000	19.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	1.8600e-003	0.0656	0.0181	1.9000e-004	4.3900e-003	2.0000e-004	4.6000e-003	1.2000e-003	1.9000e-004	1.4000e-003	0.0000	19.0804	19.0804	2.0000e-003	0.0000	19.1304

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					4.4000e-004	0.0000	4.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005		4.1000e-004	4.1000e-004		3.9000e-004	3.9000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458
Total	8.0000e-004	7.2500e-003	7.5700e-003	1.0000e-005	4.4000e-004	4.1000e-004	8.5000e-004	2.0000e-004	3.9000e-004	5.9000e-004	0.0000	1.0409	1.0409	1.9000e-004	0.0000	1.0458

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	1.8200e-003	0.0655	0.0178	1.9000e-004	4.2800e-003	2.0000e-004	4.4900e-003	1.1700e-003	1.9000e-004	1.3700e-003	0.0000	18.9886	18.9886	2.0000e-003	0.0000	19.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0917	0.0917	0.0000	0.0000	0.0918
Total	1.8600e-003	0.0656	0.0181	1.9000e-004	4.3900e-003	2.0000e-004	4.6000e-003	1.2000e-003	1.9000e-004	1.4000e-003	0.0000	19.0804	19.0804	2.0000e-003	0.0000	19.1304

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0399	0.0363	6.0000e-005		2.2400e-003	2.2400e-003		2.0600e-003	2.0600e-003	0.0000	5.0041	5.0041	1.6200e-003	0.0000	5.0446
Total	3.8700e-003	0.0399	0.0363	6.0000e-005		2.2400e-003	2.2400e-003		2.0600e-003	2.0600e-003	0.0000	5.0041	5.0041	1.6200e-003	0.0000	5.0446

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8100e-003	1.0700e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9653	0.9653	8.0000e-005	0.0000	0.9673
Worker	5.1000e-004	3.4000e-004	4.0200e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2841	1.2841	3.0000e-005	0.0000	1.2848
Total	6.2000e-004	4.1500e-003	5.0900e-003	2.0000e-005	1.7900e-003	2.0000e-005	1.8100e-003	4.8000e-004	2.0000e-005	5.0000e-004	0.0000	2.2494	2.2494	1.1000e-004	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					
Off-Road	3.8700e-003	0.0399	0.0363	6.0000e-005		2.2400e-003	2.2400e-003		2.0600e-003	2.0600e-003	0.0000	5.0041	5.0041	1.6200e-003	0.0000	5.0446
Total	3.8700e-003	0.0399	0.0363	6.0000e-005		2.2400e-003	2.2400e-003		2.0600e-003	2.0600e-003	0.0000	5.0041	5.0041	1.6200e-003	0.0000	5.0446

Mitigated Construction Off-Site

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

Vendor	1.1000e-004	3.8100e-003	1.0700e-003	1.0000e-005	2.5000e-004	1.0000e-005	2.6000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.9653	0.9653	8.0000e-005	0.0000	0.9673
Worker	5.1000e-004	3.4000e-004	4.0200e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2841	1.2841	3.0000e-005	0.0000	1.2848
Total	6.2000e-004	4.1500e-003	5.0900e-003	2.0000e-005	1.7900e-003	2.0000e-005	1.8100e-003	4.8000e-004	2.0000e-005	5.0000e-004	0.0000	2.2494	2.2494	1.1000e-004	0.0000	2.2520

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0309	0.3162	0.3219	5.1000e-004		0.0167	0.0167		0.0154	0.0154	0.0000	45.0665	45.0665	0.0146	0.0000	45.4309
Total	0.0309	0.3162	0.3219	5.1000e-004		0.0167	0.0167		0.0154	0.0154	0.0000	45.0665	45.0665	0.0146	0.0000	45.4309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0324	9.2800e-003	9.0000e-005	2.2700e-003	6.0000e-005	2.3300e-003	6.5000e-004	6.0000e-005	7.1000e-004	0.0000	8.6022	8.6022	6.8000e-004	0.0000	8.6192
Worker	4.3700e-003	2.8100e-003	0.0337	1.2000e-004	0.0138	9.0000e-005	0.0139	3.6700e-003	8.0000e-005	3.7600e-003	0.0000	11.1287	11.1287	2.2000e-004	0.0000	11.1344
Total	5.2900e-003	0.0352	0.0430	2.1000e-004	0.0161	1.5000e-004	0.0163	4.3200e-003	1.4000e-004	4.4700e-003	0.0000	19.7309	19.7309	9.0000e-004	0.0000	19.7535

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	0.0309	0.3162	0.3219	5.1000e-004		0.0167	0.0167		0.0154	0.0154	0.0000	45.0664	45.0664	0.0146	0.0000	45.4308
Total	0.0309	0.3162	0.3219	5.1000e-004		0.0167	0.0167		0.0154	0.0154	0.0000	45.0664	45.0664	0.0146	0.0000	45.4308

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2000e-004	0.0324	9.2800e-003	9.0000e-005	2.2700e-003	6.0000e-005	2.3300e-003	6.5000e-004	6.0000e-005	7.1000e-004	0.0000	8.6022	8.6022	6.8000e-004	0.0000	8.6192
Worker	4.3700e-003	2.8100e-003	0.0337	1.2000e-004	0.0138	9.0000e-005	0.0139	3.6700e-003	8.0000e-005	3.7600e-003	0.0000	11.1287	11.1287	2.2000e-004	0.0000	11.1344
Total	5.2900e-003	0.0352	0.0430	2.1000e-004	0.0161	1.5000e-004	0.0163	4.3200e-003	1.4000e-004	4.4700e-003	0.0000	19.7309	19.7309	9.0000e-004	0.0000	19.7535

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	2.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9000e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.2100e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3975	0.3975	1.0000e-005	0.0000	0.3977
Total	1.6000e-004	1.0000e-004	1.2100e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3975	0.3975	1.0000e-005	0.0000	0.3977

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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Paving	2.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9000e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.2100e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3975	0.3975	1.0000e-005	0.0000	0.3977
Total	1.6000e-004	1.0000e-004	1.2100e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3975	0.3975	1.0000e-005	0.0000	0.3977

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0789					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0795	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1325	0.1325	0.0000	0.0000	0.1326
Total	5.0000e-005	3.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1325	0.1325	0.0000	0.0000	0.1326

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	0.0789					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.0795	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1325	0.1325	0.0000	0.0000	0.1326
Total	5.0000e-005	3.0000e-005	4.0000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1325	0.1325	0.0000	0.0000	0.1326

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		

Strip Mall	0.00	0.00	0.00	
Unenclosed Parking Structure	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	100.00	0.00	0.00	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Unenclosed Parking Structure	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										M1/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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										M1/yr					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466
Unmitigated	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466
Total	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466
Total	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000

Unenclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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

415 South Highland Project - Unmitigated Construction - Orange County, Summer

**415 South Highland Project - Unmitigated Construction
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0
Other Non-Asphalt Surfaces	11.80	1000sqft	0.27	11,800.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Unenclosed Parking Structure	32.00	Space	0.17	7,529.00	0
City Park	0.07	Acre	0.07	3,060.00	0
Apartments Low Rise	20.00	Dwelling Unit	0.06	20,799.00	57
Strip Mall	2.14	1000sqft	0.03	2,140.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use - CalEEMod Note 2

Construction Phase -

Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Demolition - CalEEMod Note 4
 Grading - CalEEMod Note 3
 Vehicle Trips - CalEEMod Note 5
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Woodstoves - CalEEMod Note 5
 Consumer Products - CalEEMod Note 5
 Area Coating - CalEEMod Note 5
 Energy Use - CalEEMod Note 5
 Water And Wastewater - CalEEMod Note 5
 Solid Waste - CalEEMod Note 5
 Construction Off-road Equipment Mitigation - CalEEMod Note 6

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	1.98E-05	1E-20
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-20
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-20
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	5.71	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,172.76	0.00

tblEnergyUse	NT24E	2.80	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	177.01	0.00
tblEnergyUse	T24E	2.93	0.00
tblEnergyUse	T24NG	7,243.59	0.00
tblEnergyUse	T24NG	0.95	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	17.00	0.00
tblGrading	MaterialExported	0.00	3,200.00
tblGrading	MaterialImported	0.00	800.00
tblLandUse	LandUseSquareFeet	12,800.00	7,529.00
tblLandUse	LandUseSquareFeet	3,049.20	3,060.00
tblLandUse	LandUseSquareFeet	20,000.00	20,799.00
tblLandUse	LotAcreage	0.29	0.17
tblLandUse	LotAcreage	1.25	0.06
tblLandUse	LotAcreage	0.05	0.03
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblSolidWaste	SolidWasteGenerationRate	9.20	0.00
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	2.25	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	6.07	0.00

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	1,303,080.51	0.00
tblWater	IndoorWaterUseRate	158,515.20	0.00
tblWater	OutdoorWaterUseRate	821,507.28	0.00
tblWater	OutdoorWaterUseRate	83,403.69	0.00
tblWater	OutdoorWaterUseRate	97,154.47	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.6331	70.8286	25.3321	0.2016	5.4433	0.6077	6.0511	1.6692	0.5803	2.2495	0.0000	22,318.0989	22,318.0989	2.4001	0.0000	22,378.1020
2022	31.8000	7.7912	8.1430	0.0162	0.3641	0.3753	0.7394	0.0977	0.3453	0.4430	0.0000	1,600.5578	1,600.5578	0.3791	0.0000	1,610.0352
Maximum	31.8000	70.8286	25.3321	0.2016	5.4433	0.6077	6.0511	1.6692	0.5803	2.2495	0.0000	22,318.0989	22,318.0989	2.4001	0.0000	22,378.1020

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.6331	70.8286	25.3321	0.2016	4.9049	0.6077	5.5126	1.4228	0.5803	2.0031	0.0000	22,318.0989	22,318.0989	2.4001	0.0000	22,378.1020
2022	31.8000	7.7912	8.1430	0.0162	0.3641	0.3753	0.7394	0.0977	0.3453	0.4430	0.0000	1,600.5577	1,600.5577	0.3791	0.0000	1,610.0352
Maximum	31.8000	70.8286	25.3321	0.2016	4.9049	0.6077	5.5126	1.4228	0.5803	2.0031	0.0000	22,318.0989	22,318.0989	2.4001	0.0000	22,378.1020

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	9.27	0.00	7.93	13.95	0.00	9.15	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	0.0504	0.0191	1.6577	9.0000e-005	0.0000	9.1500e-003	9.1500e-003	0.0000	9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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
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Category	lb/day										lb/day					
	Area	Energy	Mobile	Total	0.0504	0.0191	1.6577	9.0000e-005	0.0000	9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000
Area	0.0504	0.0191	1.6577	9.0000e-005	0.0000	9.1500e-003	9.1500e-003	0.0000	9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	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	0.0504	0.0191	1.6577	9.0000e-005	0.0000	9.1500e-003	9.1500e-003	0.0000	9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	12/14/2021	5	10	
2	Site Preparation	Site Preparation	12/15/2021	12/15/2021	5	1	
3	Grading	Grading	12/16/2021	12/17/2021	5	2	
4	Building Construction	Building Construction	12/18/2021	5/6/2022	5	100	
5	Paving	Paving	5/7/2022	5/13/2022	5	5	
6	Architectural Coating	Architectural Coating	5/14/2022	5/20/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.65

Residential Indoor: 42,118; Residential Outdoor: 14,039; Non-Residential Indoor: 3,212; Non-Residential Outdoor: 1,071; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
------------	------------------------	--------	-------------	-------------	-------------

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
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
Demolition	4	10.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	28.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1699	0.0000	2.1699	0.3285	0.0000	0.3285			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	2.1699	0.4073	2.5772	0.3285	0.3886	0.7171		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0720	2.5422	0.6984	7.5400e-003	0.1741	7.9900e-003	0.1821	0.0477	7.6400e-003	0.0553		842.6178	842.6178	0.0874		844.8019
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	0.1081	2.5640	1.0021	8.6000e-003	0.2859	8.7100e-003	0.2946	0.0773	8.3100e-003	0.0856		947.8372	947.8372	0.0896		950.0776

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9764	0.0000	0.9764	0.1478	0.0000	0.1478			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.9764	0.4073	1.3838	0.1478	0.3886	0.5364	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0720	2.5422	0.6984	7.5400e-003	0.1741	7.9900e-003	0.1821	0.0477	7.6400e-003	0.0553		842.6178	842.6178	0.0874		844.8019
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	0.1081	2.5640	1.0021	8.6000e-003	0.2859	8.7100e-003	0.2946	0.0773	8.3100e-003	0.0856		947.8372	947.8372	0.0896		950.0776

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000

Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328		942.5842	942.5842	0.3049		950.2055

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.2386	0.2995	0.5381	0.0258	0.2755	0.3013	0.0000	942.5842	942.5842	0.3049		950.2055

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379
Total	0.0181	0.0109	0.1519	5.3000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		52.6097	52.6097	1.1300e-003		52.6379

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9789	0.0000	0.9789	0.4480	0.0000	0.4480			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.9789	0.4073	1.3863	0.4480	0.3886	0.8366		1,147.4338	1,147.4338	0.2138		1,152.7797

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
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Category	lb/day										lb/day			
Hauling	1.8005	63.5537	17.4592	0.1886	4.3526	0.1997	4.5523	1.1915	0.1910	1.3825	21,065.44	21,065.445	2.1840	21,120.04
											58	8		65
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303	105.2194	105.2194	2.2500e-003	105.2758
Total	1.8366	63.5756	17.7629	0.1896	4.4644	0.2004	4.6648	1.2211	0.1917	1.4129	21,170.66	21,170.665	2.1863	21,225.32
											52	2		22

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4405	0.0000	0.4405	0.2016	0.0000	0.2016			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.4405	0.4073	0.8479	0.2016	0.3886	0.5902	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8005	63.5537	17.4592	0.1886	4.3526	0.1997	4.5523	1.1915	0.1910	1.3825	21,065.44	21,065.445	2.1840	21,120.04		
											58	8		65		
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		

Worker	0.0361	0.0218	0.3037	1.0600e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		105.2194	105.2194	2.2500e-003		105.2758
Total	1.8366	63.5756	17.7629	0.1896	4.4644	0.2004	4.6648	1.2211	0.1917	1.4129		21,170.6652	21,170.6652	2.1863		21,225.3222

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0214	0.7505	0.2035	1.9700e-003	0.0511	1.5600e-003	0.0527	0.0147	1.4900e-003	0.0162		215.0340	215.0340	0.0169		215.4555
Worker	0.1011	0.0612	0.8504	2.9500e-003	0.3130	2.0300e-003	0.3150	0.0830	1.8700e-003	0.0849		294.6144	294.6144	6.3100e-003		294.7721
Total	0.1224	0.8117	1.0540	4.9200e-003	0.3641	3.5900e-003	0.3677	0.0977	3.3600e-003	0.1011		509.6484	509.6484	0.0232		510.2276

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0214	0.7505	0.2035	1.9700e-003	0.0511	1.5600e-003	0.0527	0.0147	1.4900e-003	0.0162		215.0340	215.0340	0.0169			215.4555
Worker	0.1011	0.0612	0.8504	2.9500e-003	0.3130	2.0300e-003	0.3150	0.0830	1.8700e-003	0.0849		294.6144	294.6144	6.3100e-003			294.7721
Total	0.1224	0.8117	1.0540	4.9200e-003	0.3641	3.5900e-003	0.3677	0.0977	3.3600e-003	0.1011		509.6484	509.6484	0.0232			510.2276

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	1,103.9393	1,103.9393	0.3570		1,112.8652

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0201	0.7100	0.1965	1.9500e-003	0.0511	1.3600e-003	0.0525	0.0147	1.3000e-003	0.0160		212.9221	212.9221	0.0163		213.3304
Worker	0.0955	0.0554	0.7937	2.8400e-003	0.3130	1.9900e-003	0.3150	0.0830	1.8300e-003	0.0848		283.6963	283.6963	5.7300e-003		283.8396
Total	0.1156	0.7654	0.9903	4.7900e-003	0.3641	3.3500e-003	0.3674	0.0977	3.1300e-003	0.1008		496.6184	496.6184	0.0221		497.1700

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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0201	0.7100	0.1965	1.9500e-003	0.0511	1.3600e-003	0.0525	0.0147	1.3000e-003	0.0160		212.9221	212.9221	0.0163		213.3304
Worker	0.0955	0.0554	0.7937	2.8400e-003	0.3130	1.9900e-003	0.3150	0.0830	1.8300e-003	0.0848		283.6963	283.6963	5.7300e-003		283.8396
Total	0.1156	0.7654	0.9903	4.7900e-003	0.3641	3.3500e-003	0.3674	0.0977	3.1300e-003	0.1008		496.6184	496.6184	0.0221		497.1700

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7570	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683
Total	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683

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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7570	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683
Total	0.0614	0.0356	0.5103	1.8300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		182.3762	182.3762	3.6800e-003		182.4683

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.5750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	31.7796	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0205	0.0119	0.1701	6.1000e-004	0.0671	4.3000e-004	0.0675	0.0178	3.9000e-004	0.0182		60.7921	60.7921	1.2300e-003		60.8228

Total	0.0205	0.0119	0.1701	6.1000e-004	0.0671	4.3000e-004	0.0675	0.0178	3.9000e-004	0.0182		60.7921	60.7921	1.2300e-003		60.8228
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.5750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	31.7796	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0205	0.0119	0.1701	6.1000e-004	0.0671	4.3000e-004	0.0675	0.0178	3.9000e-004	0.0182		60.7921	60.7921	1.2300e-003		60.8228
Total	0.0205	0.0119	0.1701	6.1000e-004	0.0671	4.3000e-004	0.0675	0.0178	3.9000e-004	0.0182		60.7921	60.7921	1.2300e-003		60.8228

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Unenclosed Parking Structure	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Apartments Low Rise	14.70	5.90	8.70	100.00	0.00	0.00	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Unenclosed Parking Structure	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Unmitigated	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

415 South Highland Project - Unmitigated Construction - Orange County, Winter

415 South Highland Project - Unmitigated Construction
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0
Other Non-Asphalt Surfaces	11.80	1000sqft	0.27	11,800.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Unenclosed Parking Structure	32.00	Space	0.17	7,529.00	0
City Park	0.07	Acre	0.07	3,060.00	0
Apartments Low Rise	20.00	Dwelling Unit	0.06	20,799.00	57
Strip Mall	2.14	1000sqft	0.03	2,140.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use - CalEEMod Note 2

Construction Phase -

Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Off-road Equipment -
 Demolition - CalEEMod Note 4
 Grading - CalEEMod Note 3
 Vehicle Trips - CalEEMod Note 5
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Woodstoves - CalEEMod Note 5
 Consumer Products - CalEEMod Note 5
 Area Coating - CalEEMod Note 5
 Energy Use - CalEEMod Note 5
 Water And Wastewater - CalEEMod Note 5
 Solid Waste - CalEEMod Note 5
 Construction Off-road Equipment Mitigation - CalEEMod Note 6

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConsumerProducts	ROG_EF	1.98E-05	1E-20
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-20
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-20
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	5.71	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,172.76	0.00

tblEnergyUse	NT24E	2.80	0.00
tblEnergyUse	NT24NG	5,516.00	0.00
tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	177.01	0.00
tblEnergyUse	T24E	2.93	0.00
tblEnergyUse	T24NG	7,243.59	0.00
tblEnergyUse	T24NG	0.95	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	17.00	0.00
tblGrading	MaterialExported	0.00	3,200.00
tblGrading	MaterialImported	0.00	800.00
tblLandUse	LandUseSquareFeet	12,800.00	7,529.00
tblLandUse	LandUseSquareFeet	3,049.20	3,060.00
tblLandUse	LandUseSquareFeet	20,000.00	20,799.00
tblLandUse	LotAcreage	0.29	0.17
tblLandUse	LotAcreage	1.25	0.06
tblLandUse	LotAcreage	0.05	0.03
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblSolidWaste	SolidWasteGenerationRate	9.20	0.00
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	2.25	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	6.07	0.00

tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	1,303,080.51	0.00
tblWater	IndoorWaterUseRate	158,515.20	0.00
tblWater	OutdoorWaterUseRate	821,507.28	0.00
tblWater	OutdoorWaterUseRate	83,403.69	0.00
tblWater	OutdoorWaterUseRate	97,154.47	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.6822	71.5812	26.1779	0.1987	5.4433	0.6114	6.0547	1.6692	0.5838	2.2529	0.0000	21,993.2753	21,993.2753	2.4489	0.0000	22,054.4970
2022	31.8028	7.7945	8.0993	0.0160	0.3641	0.3753	0.7394	0.0977	0.3454	0.4431	0.0000	1,580.1248	1,580.1248	0.3796	0.0000	1,589.6137
Maximum	31.8028	71.5812	26.1779	0.1987	5.4433	0.6114	6.0547	1.6692	0.5838	2.2529	0.0000	21,993.2753	21,993.2753	2.4489	0.0000	22,054.4970

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.6822	71.5812	26.1779	0.1987	4.9049	0.6114	5.5163	1.4228	0.5838	2.0065	0.0000	21,993.2753	21,993.2753	2.4489	0.0000	22,054.4970
2022	31.8028	7.7945	8.0993	0.0160	0.3641	0.3753	0.7394	0.0977	0.3454	0.4431	0.0000	1,580.1248	1,580.1248	0.3796	0.0000	1,589.6137
Maximum	31.8028	71.5812	26.1779	0.1987	4.9049	0.6114	5.5163	1.4228	0.5838	2.0065	0.0000	21,993.2753	21,993.2753	2.4489	0.0000	22,054.4970

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	9.27	0.00	7.92	13.95	0.00	9.14	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	0.0504	0.0191	1.6577	9.0000e-005	0.0000	9.1500e-003	9.1500e-003	0.0000	9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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
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Category	lb/day										lb/day					
Area	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	0.0504	0.0191	1.6577	9.0000e-005	0.0000	9.1500e-003	9.1500e-003	0.0000	9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	12/14/2021	5	10	
2	Site Preparation	Site Preparation	12/15/2021	12/15/2021	5	1	
3	Grading	Grading	12/16/2021	12/17/2021	5	2	
4	Building Construction	Building Construction	12/18/2021	5/6/2022	5	100	
5	Paving	Paving	5/7/2022	5/13/2022	5	5	
6	Architectural Coating	Architectural Coating	5/14/2022	5/20/2022	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.65

Residential Indoor: 42,118; Residential Outdoor: 14,039; Non-Residential Indoor: 3,212; Non-Residential Outdoor: 1,071; Striped Parking

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
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
Demolition	4	10.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	500.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	28.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1699	0.0000	2.1699	0.3285	0.0000	0.3285			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	2.1699	0.4073	2.5772	0.3285	0.3886	0.7171		1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0738	2.5722	0.7331	7.4300e-003	0.1741	8.1300e-003	0.1822	0.0477	7.7800e-003	0.0554		829.8503	829.8503	0.0893		832.0832
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	0.1147	2.5962	1.0134	8.4300e-003	0.2859	8.8500e-003	0.2947	0.0773	8.4500e-003	0.0858		929.4336	929.4336	0.0915		931.7198

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9764	0.0000	0.9764	0.1478	0.0000	0.1478			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.9764	0.4073	1.3838	0.1478	0.3886	0.5364	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

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	0.0738	2.5722	0.7331	7.4300e-003	0.1741	8.1300e-003	0.1822	0.0477	7.7800e-003	0.0554		829.8503	829.8503	0.0893		832.0832
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	0.1147	2.5962	1.0134	8.4300e-003	0.2859	8.8500e-003	0.2947	0.0773	8.4500e-003	0.0858		929.4336	929.4336	0.0915		931.7198

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000

Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.5303	0.2995	0.8297	0.0573	0.2755	0.3328		942.5842	942.5842	0.3049		950.2055

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.2386	0.2995	0.5381	0.0258	0.2755	0.3013	0.0000	942.5842	942.5842	0.3049		950.2055

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183
Total	0.0204	0.0120	0.1401	5.0000e-004	0.0559	3.6000e-004	0.0563	0.0148	3.3000e-004	0.0152		49.7916	49.7916	1.0700e-003		49.8183

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9789	0.0000	0.9789	0.4480	0.0000	0.4480			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886		1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.9789	0.4073	1.3863	0.4480	0.3886	0.8366		1,147.4338	1,147.4338	0.2138		1,152.7797

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
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Category	lb/day										lb/day			
Hauling	1.8448	64.3042	18.3285	0.1857	4.3526	0.2033	4.5559	1.1915	0.1945	1.3860	20,746.2583	20,746.2583	2.2329	20,802.0808
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303	99.5832	99.5832	2.1300e-003	99.6365
Total	1.8857	64.3282	18.6088	0.1867	4.4644	0.2040	4.6684	1.2211	0.1952	1.4163	20,845.8415	20,845.8415	2.2350	20,901.7173

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4405	0.0000	0.4405	0.2016	0.0000	0.2016			0.0000			0.0000
Off-Road	0.7965	7.2530	7.5691	0.0120		0.4073	0.4073		0.3886	0.3886	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797
Total	0.7965	7.2530	7.5691	0.0120	0.4405	0.4073	0.8479	0.2016	0.3886	0.5902	0.0000	1,147.4338	1,147.4338	0.2138		1,152.7797

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8448	64.3042	18.3285	0.1857	4.3526	0.2033	4.5559	1.1915	0.1945	1.3860	20,746.2583	20,746.2583	2.2329	20,802.0808		
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		

Worker	0.0409	0.0240	0.2803	1.0000e-003	0.1118	7.2000e-004	0.1125	0.0296	6.7000e-004	0.0303		99.5832	99.5832	2.1300e-003		99.6365
Total	1.8857	64.3282	18.6088	0.1867	4.4644	0.2040	4.6684	1.2211	0.1952	1.4163		20,845.8415	20,845.8415	2.2350		20,901.7173

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0224	0.7488	0.2233	1.9300e-003	0.0511	1.6200e-003	0.0527	0.0147	1.5500e-003	0.0163		209.7512	209.7512	0.0177		210.1934
Worker	0.1144	0.0672	0.7848	2.8000e-003	0.3130	2.0300e-003	0.3150	0.0830	1.8700e-003	0.0849		278.8330	278.8330	5.9700e-003		278.9823
Total	0.1368	0.8159	1.0081	4.7300e-003	0.3641	3.6500e-003	0.3677	0.0977	3.4200e-003	0.1011		488.5842	488.5842	0.0237		489.1756

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0224	0.7488	0.2233	1.9300e-003	0.0511	1.6200e-003	0.0527	0.0147	1.5500e-003	0.0163		209.7512	209.7512	0.0177			210.1934
Worker	0.1144	0.0672	0.7848	2.8000e-003	0.3130	2.0300e-003	0.3150	0.0830	1.8700e-003	0.0849		278.8330	278.8330	5.9700e-003			278.9823
Total	0.1368	0.8159	1.0081	4.7300e-003	0.3641	3.6500e-003	0.3677	0.0977	3.4200e-003	0.1011		488.5842	488.5842	0.0237			489.1756

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	1,103.9393	1,103.9393	0.3570		1,112.8652

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0211	0.7079	0.2153	1.9000e-003	0.0511	1.4100e-003	0.0525	0.0147	1.3500e-003	0.0161		207.6714	207.6714	0.0171		208.0989
Worker	0.1084	0.0609	0.7313	2.6900e-003	0.3130	1.9900e-003	0.3150	0.0830	1.8300e-003	0.0848		268.5141	268.5141	5.4200e-003		268.6495
Total	0.1295	0.7688	0.9466	4.5900e-003	0.3641	3.4000e-003	0.3675	0.0977	3.1800e-003	0.1009		476.1855	476.1855	0.0225		476.7484

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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0211	0.7079	0.2153	1.9000e-003	0.0511	1.4100e-003	0.0525	0.0147	1.3500e-003	0.0161		207.6714	207.6714	0.0171		208.0989
Worker	0.1084	0.0609	0.7313	2.6900e-003	0.3130	1.9900e-003	0.3150	0.0830	1.8300e-003	0.0848		268.5141	268.5141	5.4200e-003		268.6495
Total	0.1295	0.7688	0.9466	4.5900e-003	0.3641	3.4000e-003	0.3675	0.0977	3.1800e-003	0.1009		476.1855	476.1855	0.0225		476.7484

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7570	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033
Total	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033

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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.1100					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7570	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033
Total	0.0697	0.0391	0.4701	1.7300e-003	0.2012	1.2800e-003	0.2025	0.0534	1.1800e-003	0.0545		172.6162	172.6162	3.4800e-003		172.7033

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.5750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	31.7796	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0232	0.0130	0.1567	5.8000e-004	0.0671	4.3000e-004	0.0675	0.0178	3.9000e-004	0.0182		57.5387	57.5387	1.1600e-003		57.5678

Total	0.0232	0.0130	0.1567	5.8000e-004	0.0671	4.3000e-004	0.0675	0.0178	3.9000e-004	0.0182		57.5387	57.5387	1.1600e-003		57.5678
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.5750					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	31.7796	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0232	0.0130	0.1567	5.8000e-004	0.0671	4.3000e-004	0.0675	0.0178	3.9000e-004	0.0182		57.5387	57.5387	1.1600e-003		57.5678
Total	0.0232	0.0130	0.1567	5.8000e-004	0.0671	4.3000e-004	0.0675	0.0178	3.9000e-004	0.0182		57.5387	57.5387	1.1600e-003		57.5678

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Unenclosed Parking Structure	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Apartments Low Rise	14.70	5.90	8.70	100.00	0.00	0.00	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Unenclosed Parking Structure	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Unmitigated	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

415 South Highland Project - Unmitigated Operation - Orange County, Annual

**415 South Highland Project - Unmitigated Operation
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0
Other Non-Asphalt Surfaces	11.80	1000sqft	0.27	11,800.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Unenclosed Parking Structure	32.00	Space	0.17	7,529.00	0
City Park	0.07	Acre	0.07	3,060.00	0
Apartments Low Rise	20.00	Dwelling Unit	0.06	20,799.00	57
Strip Mall	2.14	1000sqft	0.03	2,140.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use - CalEEMod Note 2

Construction Phase - CalEEMod Note 5

Off-road Equipment -
 Off-road Equipment - CalEEMod Note 5
 Demolition -
 Grading -
 Vehicle Trips - CalEEMod Note 7
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Woodstoves - CalEEMod Note 8
 Consumer Products -
 Area Coating -
 Energy Use -
 Water And Wastewater - CalEEMod Note 9
 Solid Waste - CalEEMod Note 10
 Construction Off-road Equipment Mitigation -
 Trips and VMT - CalEEMod Note 5
 Energy Mitigation - CalEEMod Note 11

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblLandUse	LandUseSquareFeet	12,800.00	7,529.00
tblLandUse	LandUseSquareFeet	3,049.20	3,060.00
tblLandUse	LandUseSquareFeet	20,000.00	20,799.00
tblLandUse	LotAcreage	0.29	0.17
tblLandUse	LotAcreage	1.25	0.06
tblLandUse	LotAcreage	0.05	0.03
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0

tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblSolidWaste	SolidWasteGenerationRate	9.20	0.97
tblSolidWaste	SolidWasteGenerationRate	2.25	0.46
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TTP	40.60	40.61
tblVehicleTrips	HS_TTP	19.20	19.18
tblVehicleTrips	HW_TTP	40.20	40.21
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	OutdoorWaterUseRate	821,507.28	0.00
tblWater	OutdoorWaterUseRate	97,154.47	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Area	0.0994	5.9100e-003	0.2087	3.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4207	4.4207	4.1000e-004	7.0000e-005
Energy	1.4000e-003	0.0120	5.1800e-003	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	43.2905	43.2905	2.7000e-004	2.5000e-004	43.3727
Mobile	0.0619	0.2765	0.8862	3.5100e-003	0.3265	2.5700e-003	0.3290	0.0874	2.3900e-003	0.0898	0.0000	323.5099	323.5099	0.0131	0.0000	323.8361
Waste						0.0000	0.0000		0.0000	0.0000	0.2923	0.0000	0.2923	0.0173	0.0000	0.7242
Water						0.0000	0.0000		0.0000	0.0000	0.4637	4.8342	5.2979	0.0476	1.1200e-003	6.8237
Total	0.1627	0.2944	1.1001	3.6200e-003	0.3265	4.9700e-003	0.3314	0.0874	4.7900e-003	0.0922	0.7560	376.0552	376.8112	0.0786	1.4400e-003	379.2098

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.0994	5.9100e-003	0.2087	3.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4207	4.4207	4.1000e-004	7.0000e-005	4.4532
Energy	1.4000e-003	0.0120	5.1800e-003	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	34.8128	34.8128	2.7000e-004	2.5000e-004	34.8951
Mobile	0.0619	0.2765	0.8862	3.5100e-003	0.3265	2.5700e-003	0.3290	0.0874	2.3900e-003	0.0898	0.0000	323.5099	323.5099	0.0131	0.0000	323.8361
Waste						0.0000	0.0000		0.0000	0.0000	0.2923	0.0000	0.2923	0.0173	0.0000	0.7242
Water						0.0000	0.0000		0.0000	0.0000	0.4637	4.8342	5.2979	0.0476	1.1200e-003	6.8237
Total	0.1627	0.2944	1.1001	3.6200e-003	0.3265	4.9700e-003	0.3314	0.0874	4.7900e-003	0.0922	0.7560	367.5776	368.3336	0.0786	1.4400e-003	370.7322

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25	2.25	0.00	0.00	2.24

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	11/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Category	tons/yr										MT/yr					
	Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

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

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0619	0.2765	0.8862	3.5100e-003	0.3265	2.5700e-003	0.3290	0.0874	2.3900e-003	0.0898	0.0000	323.5099	323.5099	0.0131	0.0000	323.8361
Unmitigated	0.0619	0.2765	0.8862	3.5100e-003	0.3265	2.5700e-003	0.3290	0.0874	2.3900e-003	0.0898	0.0000	323.5099	323.5099	0.0131	0.0000	323.8361

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	146.40	162.80	125.60	561,148	561,148
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	94.84	89.97	43.72	299,555	299,555
Unenclosed Parking Structure	0.00	0.00	0.00		
Total	241.24	252.77	169.32	860,703	860,703

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.21	19.18	40.61	100	0	0
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	100	0	0
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Unenclosed Parking Structure	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive 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	20.9664	20.9664	0.0000	0.0000	20.9664
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	29.4441	29.4441	0.0000	0.0000	29.4441
NaturalGas Mitigated	1.4000e-003	0.0120	5.1800e-003	8.0000e-005			9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	13.8464	13.8464	2.7000e-004	2.5000e-004	13.9287
NaturalGas Unmitigated	1.4000e-003	0.0120	5.1800e-003	8.0000e-005			9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	13.8464	13.8464	2.7000e-004	2.5000e-004	13.9287

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	255192	1.3800e-003	0.0118	5.0000e-003	8.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	13.6180	13.6180	2.6000e-004	2.5000e-004	13.6989	
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	4280	2.0000e-005	2.1000e-004	1.8000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2284	0.2284	0.0000	0.0000	0.2298
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.4000e-003	0.0120	5.1800e-003	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	13.8464	13.8464	2.6000e-004	2.5000e-004	13.9287

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	255192	1.3800e-003	0.0118	5.0000e-003	8.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	13.6180	13.6180	2.6000e-004	2.5000e-004	13.6989
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	4280	2.0000e-005	2.1000e-004	1.8000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2284	0.2284	0.0000	0.0000	0.2298
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.4000e-003	0.0120	5.1800e-003	8.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	13.8464	13.8464	2.6000e-004	2.5000e-004	13.9287

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	83202.6	20.1532	0.0000	0.0000	20.1532
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	700	0.1696	0.0000	0.0000	0.1696
Strip Mall	24481.6	5.9299	0.0000	0.0000	5.9299
Unenclosed Parking Structure	13175.8	3.1914	0.0000	0.0000	3.1914
Total		29.4440	0.0000	0.0000	29.4440

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	78202.6	18.9421	0.0000	0.0000	18.9421
City Park	-5000	-1.2111	0.0000	0.0000	-1.2111
Other Asphalt Surfaces	-5000	-1.2111	0.0000	0.0000	-1.2111
Other Non-Asphalt Surfaces	-5000	-1.2111	0.0000	0.0000	-1.2111
Parking Lot	-4300	-1.0415	0.0000	0.0000	-1.0415
Strip Mall	19481.6	4.7188	0.0000	0.0000	4.7188

Unenclosed Parking Structure	8175.75	1.9803	0.0000	0.0000	1.9803
Total		20.9664	0.0000	0.0000	20.9664

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0994	5.9100e-003	0.2087	3.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4207	4.4207	4.1000e-004	7.0000e-005	4.4532
Unmitigated	0.0994	5.9100e-003	0.2087	3.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4207	4.4207	4.1000e-004	7.0000e-005	4.4532

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	7.8900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0848					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.1000e-004	3.5200e-003	1.5000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	4.0823	4.0823	8.0000e-005	7.0000e-005	4.1066

Landscaping	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466
Total	0.0994	5.9100e-003	0.2087	3.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	4.4207	4.4207	4.1000e-004	7.0000e-005	4.4532

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	7.8900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0848					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.1000e-004	3.5200e-003	1.5000e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	4.0823	4.0823	8.0000e-005	7.0000e-005	4.1066
Landscaping	6.3100e-003	2.3900e-003	0.2072	1.0000e-005		1.1400e-003	1.1400e-003		1.1400e-003	1.1400e-003	0.0000	0.3384	0.3384	3.3000e-004	0.0000	0.3466
Total	0.0994	5.9100e-003	0.2087	3.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	4.4207	4.4207	4.1000e-004	7.0000e-005	4.4532

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.2979	0.0476	1.1200e-003	6.8237
Unmitigated	5.2979	0.0476	1.1200e-003	6.8237

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.30308 / 0	4.5232	0.0425	1.0000e-003	5.8835
City Park	0 / 0.0834037	0.2244	0.0000	0.0000	0.2244
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.158515 / 0	0.5502	5.1700e-003	1.2000e-004	0.7157
Unenclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.2979	0.0476	1.1200e-003	6.8237

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.30308 / 0	4.5232	0.0425	1.0000e-003	5.8835
City Park	0 / 0.0834037	0.2244	0.0000	0.0000	0.2244

Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.158515 / 0	0.5502	5.1700e-003	1.2000e-004	0.7157
Unenclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		5.2979	0.0476	1.1200e-003	6.8237

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.2923	0.0173	0.0000	0.7242
Unmitigated	0.2923	0.0173	0.0000	0.7242

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Apartments Low Rise	0.97	0.1969	0.0116	0.0000	0.4878
City Park	0.01	2.0300e-003	1.2000e-004	0.0000	5.0300e-003
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.46	0.0934	5.5200e-003	0.0000	0.2313
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		0.2923	0.0173	0.0000	0.7242

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	0.97	0.1969	0.0116	0.0000	0.4878
City Park	0.01	2.0300e-003	1.2000e-004	0.0000	5.0300e-003
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.46	0.0934	5.5200e-003	0.0000	0.2313
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000

Total		0.2923	0.0173	0.0000	0.7242
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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

415 South Highland Project - Unmitigated Operation - Orange County, Summer

**415 South Highland Project - Unmitigated Operation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0
Other Non-Asphalt Surfaces	11.80	1000sqft	0.27	11,800.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Unenclosed Parking Structure	32.00	Space	0.17	7,529.00	0
City Park	0.07	Acre	0.07	3,060.00	0
Apartments Low Rise	20.00	Dwelling Unit	0.06	20,799.00	57
Strip Mall	2.14	1000sqft	0.03	2,140.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use - CalEEMod Note 2

Construction Phase - CalEEMod Note 5

Off-road Equipment -
 Off-road Equipment - CalEEMod Note 5
 Demolition -
 Grading -
 Vehicle Trips - CalEEMod Note 7
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Woodstoves - CalEEMod Note 8
 Consumer Products -
 Area Coating -
 Energy Use -
 Water And Wastewater - CalEEMod Note 9
 Solid Waste - CalEEMod Note 10
 Construction Off-road Equipment Mitigation -
 Trips and VMT - CalEEMod Note 5
 Energy Mitigation - CalEEMod Note 11

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblLandUse	LandUseSquareFeet	12,800.00	7,529.00
tblLandUse	LandUseSquareFeet	3,049.20	3,060.00
tblLandUse	LandUseSquareFeet	20,000.00	20,799.00
tblLandUse	LotAcreage	0.29	0.17
tblLandUse	LotAcreage	1.25	0.06
tblLandUse	LotAcreage	0.05	0.03
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0

tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblSolidWaste	SolidWasteGenerationRate	9.20	0.97
tblSolidWaste	SolidWasteGenerationRate	2.25	0.46
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TTP	40.60	40.61
tblVehicleTrips	HS_TTP	19.20	19.18
tblVehicleTrips	HW_TTP	40.20	40.21
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	OutdoorWaterUseRate	821,507.28	0.00
tblWater	OutdoorWaterUseRate	97,154.47	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

2.2 Overall Operational

Unmitigated Operational

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

Area	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955
Energy	7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003		83.6331	83.6331	1.6000e-003	1.5300e-003	84.1301
Mobile	0.3943	1.6064	5.5915	0.0221	2.0234	0.0156	2.0390	0.5411	0.0145	0.5556		2,244.2600	2,244.2600	0.0882		2,246.4655
Total	0.9930	1.9731	7.3976	0.0244	2.0234	0.0529	2.0763	0.5411	0.0518	0.5929	0.0000	2,690.8768	2,690.8768	0.0996	8.1300e-003	2,695.7912

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955
Energy	7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003		83.6331	83.6331	1.6000e-003	1.5300e-003	84.1301
Mobile	0.3943	1.6064	5.5915	0.0221	2.0234	0.0156	2.0390	0.5411	0.0145	0.5556		2,244.2600	2,244.2600	0.0882		2,246.4655
Total	0.9930	1.9731	7.3976	0.0244	2.0234	0.0529	2.0763	0.5411	0.0518	0.5929	0.0000	2,690.8768	2,690.8768	0.0996	8.1300e-003	2,695.7912

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	11/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	lb/day					
											Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.3943	1.6064	5.5915	0.0221	2.0234	0.0156	2.0390	0.5411	0.0145	0.5556		2,244.2600	2,244.2600	0.0882		2,246.4655
Unmitigated	0.3943	1.6064	5.5915	0.0221	2.0234	0.0156	2.0390	0.5411	0.0145	0.5556		2,244.2600	2,244.2600	0.0882		2,246.4655

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	146.40	162.80	125.60	561,148	561,148
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		

Strip Mall	94.84	89.97	43.72	299,555	299,555
Unenclosed Parking Structure	0.00	0.00	0.00		
Total	241.24	252.77	169.32	860,703	860,703

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.21	19.18	40.61	100	0	0
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	100	0	0
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Unenclosed Parking Structure	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003		83.6331	83.6331	1.6000e-003	1.5300e-003	84.1301
NaturalGas Unmitigated	7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003		83.6331	83.6331	1.6000e-003	1.5300e-003	84.1301

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Apartments Low Rise	699.156	7.5400e-003	0.0644	0.0274	4.1000e-004		5.2100e-003	5.2100e-003		5.2100e-003	5.2100e-003			82.2536	82.2536	1.5800e-003	1.5100e-003	82.7424
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	11.726	1.3000e-004	1.1500e-003	9.7000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			1.3795	1.3795	3.0000e-005	3.0000e-005	1.3877
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003			83.6331	83.6331	1.6100e-003	1.5400e-003	84.1301

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Apartments Low Rise	0.699156	7.5400e-003	0.0644	0.0274	4.1000e-004		5.2100e-003	5.2100e-003		5.2100e-003	5.2100e-003			82.2536	82.2536	1.5800e-003	1.5100e-003	82.7424
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.011726	1.3000e-004	1.1500e-003	9.7000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			1.3795	1.3795	3.0000e-005	3.0000e-005	1.3877
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003			83.6331	83.6331	1.6100e-003	1.5400e-003	84.1301

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955
Unmitigated	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955

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	0.0433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0330	0.2820	0.1200	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	360.0000	360.0000	6.9000e-003	6.6000e-003	362.1393
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955

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	0.0433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0330	0.2820	0.1200	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	360.0000	360.0000	6.9000e-003	6.6000e-003	362.1393
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

415 South Highland Project - Unmitigated Operation - Orange County, Winter

415 South Highland Project - Unmitigated Operation
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0
Other Non-Asphalt Surfaces	11.80	1000sqft	0.27	11,800.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Unenclosed Parking Structure	32.00	Space	0.17	7,529.00	0
City Park	0.07	Acre	0.07	3,060.00	0
Apartments Low Rise	20.00	Dwelling Unit	0.06	20,799.00	57
Strip Mall	2.14	1000sqft	0.03	2,140.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use - CalEEMod Note 2

Construction Phase - CalEEMod Note 5

Off-road Equipment -
 Off-road Equipment - CalEEMod Note 5
 Demolition -
 Grading -
 Vehicle Trips - CalEEMod Note 7
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Vehicle Emission Factors -
 Woodstoves - CalEEMod Note 8
 Consumer Products -
 Area Coating -
 Energy Use -
 Water And Wastewater - CalEEMod Note 9
 Solid Waste - CalEEMod Note 10
 Construction Off-road Equipment Mitigation -
 Trips and VMT - CalEEMod Note 5
 Energy Mitigation - CalEEMod Note 11

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblLandUse	LandUseSquareFeet	12,800.00	7,529.00
tblLandUse	LandUseSquareFeet	3,049.20	3,060.00
tblLandUse	LandUseSquareFeet	20,000.00	20,799.00
tblLandUse	LotAcreage	0.29	0.17
tblLandUse	LotAcreage	1.25	0.06
tblLandUse	LotAcreage	0.05	0.03
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0

tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblSolidWaste	SolidWasteGenerationRate	9.20	0.97
tblSolidWaste	SolidWasteGenerationRate	2.25	0.46
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TTP	40.60	40.61
tblVehicleTrips	HS_TTP	19.20	19.18
tblVehicleTrips	HW_TTP	40.20	40.21
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	OutdoorWaterUseRate	821,507.28	0.00
tblWater	OutdoorWaterUseRate	97,154.47	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

2.2 Overall Operational

Unmitigated Operational

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

Area	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955
Energy	7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003		83.6331	83.6331	1.6000e-003	1.5300e-003	84.1301
Mobile	0.3874	1.6547	5.3170	0.0211	2.0234	0.0157	2.0391	0.5411	0.0146	0.5557		2,145.5122	2,145.5122	0.0878		2,147.7061
Total	0.9862	2.0214	7.1231	0.0234	2.0234	0.0529	2.0763	0.5411	0.0518	0.5929	0.0000	2,592.1291	2,592.1291	0.0992	8.1300e-003	2,597.0317

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955
Energy	7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003		83.6331	83.6331	1.6000e-003	1.5300e-003	84.1301
Mobile	0.3874	1.6547	5.3170	0.0211	2.0234	0.0157	2.0391	0.5411	0.0146	0.5557		2,145.5122	2,145.5122	0.0878		2,147.7061
Total	0.9862	2.0214	7.1231	0.0234	2.0234	0.0529	2.0763	0.5411	0.0518	0.5929	0.0000	2,592.1291	2,592.1291	0.0992	8.1300e-003	2,597.0317

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	11/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	0.3874	1.6547	5.3170	0.0211	2.0234	0.0157	2.0391	0.5411	0.0146	0.5557		2,145.5122	2,145.5122	0.0878		2,147.7061
Unmitigated	0.3874	1.6547	5.3170	0.0211	2.0234	0.0157	2.0391	0.5411	0.0146	0.5557		2,145.5122	2,145.5122	0.0878		2,147.7061

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	146.40	162.80	125.60	561,148	561,148
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		

Strip Mall	94.84	89.97	43.72	299,555	299,555
Unenclosed Parking Structure	0.00	0.00	0.00		
Total	241.24	252.77	169.32	860,703	860,703

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.21	19.18	40.61	100	0	0
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	100	0	0
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Unenclosed Parking Structure	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003		83.6331	83.6331	1.6000e-003	1.5300e-003	84.1301
NaturalGas Unmitigated	7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003		83.6331	83.6331	1.6000e-003	1.5300e-003	84.1301

5.2 Energy by Land Use - NaturalGas Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Apartments Low Rise	699.156	7.5400e-003	0.0644	0.0274	4.1000e-004		5.2100e-003	5.2100e-003		5.2100e-003	5.2100e-003			82.2536	82.2536	1.5800e-003	1.5100e-003	82.7424
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	11.726	1.3000e-004	1.1500e-003	9.7000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			1.3795	1.3795	3.0000e-005	3.0000e-005	1.3877
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003			83.6331	83.6331	1.6100e-003	1.5400e-003	84.1301

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Apartments Low Rise	0.699156	7.5400e-003	0.0644	0.0274	4.1000e-004		5.2100e-003	5.2100e-003		5.2100e-003	5.2100e-003			82.2536	82.2536	1.5800e-003	1.5100e-003	82.7424
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.011726	1.3000e-004	1.1500e-003	9.7000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			1.3795	1.3795	3.0000e-005	3.0000e-005	1.3877
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
Total		7.6700e-003	0.0656	0.0284	4.2000e-004		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003			83.6331	83.6331	1.6100e-003	1.5400e-003	84.1301

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955
Unmitigated	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955

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	0.0433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0330	0.2820	0.1200	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	360.0000	360.0000	6.9000e-003	6.6000e-003	362.1393
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955

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	0.0433					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4644					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0330	0.2820	0.1200	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	360.0000	360.0000	6.9000e-003	6.6000e-003	362.1393
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.5911	0.3011	1.7777	1.8900e-003		0.0320	0.0320		0.0320	0.0320	0.0000	362.9837	362.9837	9.8000e-003	6.6000e-003	365.1955

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

415 South Highland Project - On-Site Mobile Emissions Only - Orange County, Summer

**415 South Highland Project - On-Site Mobile Emissions Only
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0
Other Non-Asphalt Surfaces	11.80	1000sqft	0.27	11,800.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Unenclosed Parking Structure	32.00	Space	0.17	7,529.00	0
City Park	0.07	Acre	0.07	3,060.00	0
Apartments Low Rise	20.00	Dwelling Unit	0.06	20,799.00	57
Strip Mall	2.14	1000sqft	0.03	2,140.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - On-Site Mobile Only

Land Use - CalEEMod Note 2

Construction Phase - On-Site Mobile Only

Off-road Equipment -

Off-road Equipment - On-Site Mobile Only

Trips and VMT - On-Site Mobile Only

Demolition -

Grading -

Vehicle Trips - CalEEMod Note 7; on-site mobile activity reduced to 0.1-mile vehicle trip length.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - On-Site Mobile Only

Consumer Products - On-Site Mobile Only

Area Coating - On-Site Mobile Only

Energy Use - On-Site Mobile Only

Water And Wastewater - On-Site Mobile Only

Solid Waste - On-Site Mobile Only

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	10.00	0.00
tblConsumerProducts	ROG_EF	1.98E-05	1E-19
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-20
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-20
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	5.71	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24E	2.80	0.00
tblEnergyUse	NT24NG	5,516.00	0.00

tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	177.01	0.00
tblEnergyUse	T24E	2.93	0.00
tblEnergyUse	T24NG	7,243.59	0.00
tblEnergyUse	T24NG	0.95	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	17.00	0.00
tblLandUse	LandUseSquareFeet	12,800.00	7,529.00
tblLandUse	LandUseSquareFeet	3,049.20	3,060.00
tblLandUse	LandUseSquareFeet	20,000.00	20,799.00
tblLandUse	LotAcreage	0.29	0.17
tblLandUse	LotAcreage	1.25	0.06
tblLandUse	LotAcreage	0.05	0.03
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblSolidWaste	SolidWasteGenerationRate	9.20	0.00
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	2.25	0.00
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CNW_TL	6.90	0.10
tblVehicleTrips	CW_TL	16.60	0.10
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.10
tblVehicleTrips	HO_TTP	40.60	40.61
tblVehicleTrips	HS_TL	5.90	0.10

tblVehicleTrips	HS_TTP	19.20	19.18
tblVehicleTrips	HW_TL	14.70	0.10
tblVehicleTrips	HW_TTP	40.20	40.21
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	IndoorWaterUseRate	1,303,080.51	0.00
tblWater	IndoorWaterUseRate	158,515.20	0.00
tblWater	OutdoorWaterUseRate	821,507.28	0.00
tblWater	OutdoorWaterUseRate	83,403.69	0.00
tblWater	OutdoorWaterUseRate	97,154.47	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2249	0.6291	0.8470	1.0000e-003	0.0199	1.5300e-003	0.0214	5.3200e-003	1.4200e-003	6.7300e-003		103.4646	103.4646	0.0117		103.7560

Total	0.2754	0.6482	2.5047	1.0900e-003	0.0199	0.0107	0.0306	5.3200e-003	0.0106	0.0159	0.0000	106.4483	106.4483	0.0146	0.0000	106.8122
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2249	0.6291	0.8470	1.0000e-003	0.0199	1.5300e-003	0.0214	5.3200e-003	1.4200e-003	6.7300e-003		103.4646	103.4646	0.0117		103.7560
Total	0.2754	0.6482	2.5047	1.0900e-003	0.0199	0.0107	0.0306	5.3200e-003	0.0106	0.0159	0.0000	106.4483	106.4483	0.0146	0.0000	106.8122

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	11/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2249	0.6291	0.8470	1.0000e-003	0.0199	1.5300e-003	0.0214	5.3200e-003	1.4200e-003	6.7300e-003		103.4646	103.4646	0.0117		103.7560
Unmitigated	0.2249	0.6291	0.8470	1.0000e-003	0.0199	1.5300e-003	0.0214	5.3200e-003	1.4200e-003	6.7300e-003		103.4646	103.4646	0.0117		103.7560

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	146.40	162.80	125.60	5,306	5,306
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	94.84	89.97	43.72	3,161	3,161
Unenclosed Parking Structure	0.00	0.00	0.00		
Total	241.24	252.77	169.32	8,467	8,467

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
Apartments Low Rise	0.10	0.10	0.10	40.21	19.18	40.61	100	0	0
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	0.10	0.10	0.10	16.60	64.40	19.00	100	0	0
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Unenclosed Parking Structure	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	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
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Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Unmitigated	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

415 South Highland Project - On-Site Mobile Emissions Only - Orange County, Winter

415 South Highland Project - On-Site Mobile Emissions Only
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	7.00	1000sqft	0.16	7,000.00	0
Other Non-Asphalt Surfaces	11.80	1000sqft	0.27	11,800.00	0
Parking Lot	5.00	Space	0.05	2,000.00	0
Unenclosed Parking Structure	32.00	Space	0.17	7,529.00	0
City Park	0.07	Acre	0.07	3,060.00	0
Apartments Low Rise	20.00	Dwelling Unit	0.06	20,799.00	57
Strip Mall	2.14	1000sqft	0.03	2,140.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - On-Site Mobile Only

Land Use - CalEEMod Note 2

Construction Phase - On-Site Mobile Only

Off-road Equipment -

Off-road Equipment - On-Site Mobile Only

Trips and VMT - On-Site Mobile Only

Demolition -

Grading -

Vehicle Trips - CalEEMod Note 7; on-site mobile activity reduced to 0.1-mile vehicle trip length.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - On-Site Mobile Only

Consumer Products - On-Site Mobile Only

Area Coating - On-Site Mobile Only

Energy Use - On-Site Mobile Only

Water And Wastewater - On-Site Mobile Only

Solid Waste - On-Site Mobile Only

Construction Off-road Equipment Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstructionPhase	NumDays	10.00	0.00
tblConsumerProducts	ROG_EF	1.98E-05	1E-19
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-20
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-20
tblEnergyUse	LightingElect	810.36	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	5.71	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,172.76	0.00
tblEnergyUse	NT24E	2.80	0.00
tblEnergyUse	NT24NG	5,516.00	0.00

tblEnergyUse	NT24NG	1.05	0.00
tblEnergyUse	T24E	177.01	0.00
tblEnergyUse	T24E	2.93	0.00
tblEnergyUse	T24NG	7,243.59	0.00
tblEnergyUse	T24NG	0.95	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	17.00	0.00
tblLandUse	LandUseSquareFeet	12,800.00	7,529.00
tblLandUse	LandUseSquareFeet	3,049.20	3,060.00
tblLandUse	LandUseSquareFeet	20,000.00	20,799.00
tblLandUse	LotAcreage	0.29	0.17
tblLandUse	LotAcreage	1.25	0.06
tblLandUse	LotAcreage	0.05	0.03
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	0
tblProjectCharacteristics	N2OIntensityFactor	0.006	0
tblSolidWaste	SolidWasteGenerationRate	9.20	0.00
tblSolidWaste	SolidWasteGenerationRate	0.01	0.00
tblSolidWaste	SolidWasteGenerationRate	2.25	0.00
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CNW_TL	6.90	0.10
tblVehicleTrips	CW_TL	16.60	0.10
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	40.00	0.00
tblVehicleTrips	HO_TL	8.70	0.10
tblVehicleTrips	HO_TTP	40.60	40.61
tblVehicleTrips	HS_TL	5.90	0.10

tblVehicleTrips	HS_TTP	19.20	19.18
tblVehicleTrips	HW_TL	14.70	0.10
tblVehicleTrips	HW_TTP	40.20	40.21
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	15.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	45.00	100.00
tblVehicleTrips	ST_TR	7.16	8.14
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	6.07	6.28
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	6.59	7.32
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	IndoorWaterUseRate	1,303,080.51	0.00
tblWater	IndoorWaterUseRate	158,515.20	0.00
tblWater	OutdoorWaterUseRate	821,507.28	0.00
tblWater	OutdoorWaterUseRate	83,403.69	0.00
tblWater	OutdoorWaterUseRate	97,154.47	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2215	0.6205	0.9853	9.4000e-004	0.0199	1.5900e-003	0.0215	5.3200e-003	1.4700e-003	6.7900e-003		96.6107	96.6107	0.0130		96.9353

Total	0.2719	0.6396	2.6430	1.0300e-003	0.0199	0.0107	0.0306	5.3200e-003	0.0106	0.0159	0.0000	99.5945	99.5945	0.0159	0.0000	99.9915
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2215	0.6205	0.9853	9.4000e-004	0.0199	1.5900e-003	0.0215	5.3200e-003	1.4700e-003	6.7900e-003		96.6107	96.6107	0.0130		96.9353
Total	0.2719	0.6396	2.6430	1.0300e-003	0.0199	0.0107	0.0306	5.3200e-003	0.0106	0.0159	0.0000	99.5945	99.5945	0.0159	0.0000	99.9915

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	11/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.65

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2215	0.6205	0.9853	9.4000e-004	0.0199	1.5900e-003	0.0215	5.3200e-003	1.4700e-003	6.7900e-003		96.6107	96.6107	0.0130		96.9353
Unmitigated	0.2215	0.6205	0.9853	9.4000e-004	0.0199	1.5900e-003	0.0215	5.3200e-003	1.4700e-003	6.7900e-003		96.6107	96.6107	0.0130		96.9353

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	146.40	162.80	125.60	5,306	5,306
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	94.84	89.97	43.72	3,161	3,161
Unenclosed Parking Structure	0.00	0.00	0.00		
Total	241.24	252.77	169.32	8,467	8,467

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
Apartments Low Rise	0.10	0.10	0.10	40.21	19.18	40.61	100	0	0
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Strip Mall	0.10	0.10	0.10	16.60	64.40	19.00	100	0	0
Unenclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
City Park	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Other Non-Asphalt Surfaces	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Strip Mall	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Unenclosed Parking Structure	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Category	lb/day										lb/day					
	NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	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
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Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562
Unmitigated	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003		2.9837	2.9837	2.9000e-003		3.0562
Total	0.0504	0.0191	1.6577	9.0000e-005		9.1500e-003	9.1500e-003		9.1500e-003	9.1500e-003	0.0000	2.9837	2.9837	2.9000e-003	0.0000	3.0562

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

415 South Highland Project - Existing Land Uses - Orange County, Annual

**415 South Highland Project - Existing Land Uses
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	2.00	1000sqft	0.05	2,000.00	0
Parking Lot	24.57	1000sqft	0.56	24,570.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use -

Construction Phase - CalEEMod Note 5

Off-road Equipment -

Off-road Equipment - CalEEMod Note 5

Trips and VMT - CalEEMod Note 5

Demolition -

Grading -

- Vehicle Trips -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Woodstoves -
- Consumer Products -
- Area Coating -
- Energy Use -
- Water And Wastewater -
- Solid Waste -
- Construction Off-road Equipment Mitigation -
- Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	12/14/2021	11/30/2021
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

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

Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Area	0.0101	0.0000	3.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.6000e-004	6.6000e-004	0.0000	0.0000
Energy	2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	8.4071	8.4071	4.0000e-005	4.0000e-005	8.4203
Mobile	8.3800e-003	0.0312	0.0788	2.6000e-004	0.0224	2.0000e-004	0.0226	5.9900e-003	1.9000e-004	6.1800e-003	0.0000	23.6166	23.6166	1.1000e-003	0.0000	23.6442
Waste						0.0000	0.0000		0.0000	0.0000	1.5509	0.0000	1.5509	0.0917	0.0000	3.8422
Water						0.0000	0.0000		0.0000	0.0000	0.0597	0.9038	0.9635	6.1300e-003	1.4000e-004	1.1599
Total	0.0187	0.0333	0.0809	2.7000e-004	0.0224	3.6000e-004	0.0228	5.9900e-003	3.5000e-004	6.3400e-003	1.6106	32.9281	34.5386	0.0989	1.8000e-004	37.0673

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.0101	0.0000	3.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.6000e-004	6.6000e-004	0.0000	0.0000	7.0000e-004
Energy	2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	8.4071	8.4071	4.0000e-005	4.0000e-005	8.4203
Mobile	8.3800e-003	0.0312	0.0788	2.6000e-004	0.0224	2.0000e-004	0.0226	5.9900e-003	1.9000e-004	6.1800e-003	0.0000	23.6166	23.6166	1.1000e-003	0.0000	23.6442
Waste						0.0000	0.0000		0.0000	0.0000	1.5509	0.0000	1.5509	0.0917	0.0000	3.8422
Water						0.0000	0.0000		0.0000	0.0000	0.0597	0.9038	0.9635	6.1300e-003	1.4000e-004	1.1599
Total	0.0187	0.0333	0.0809	2.7000e-004	0.0224	3.6000e-004	0.0228	5.9900e-003	3.5000e-004	6.3400e-003	1.6106	32.9281	34.5386	0.0989	1.8000e-004	37.0673

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	11/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

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

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.3800e-003	0.0312	0.0788	2.6000e-004	0.0224	2.0000e-004	0.0226	5.9900e-003	1.9000e-004	6.1800e-003	0.0000	23.6166	23.6166	1.1000e-003	0.0000	23.6442
Unmitigated	8.3800e-003	0.0312	0.0788	2.6000e-004	0.0224	2.0000e-004	0.0226	5.9900e-003	1.9000e-004	6.1800e-003	0.0000	23.6166	23.6166	1.1000e-003	0.0000	23.6442

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	47.44	47.44	23.76	59,017	59,017
Parking Lot	0.00	0.00	0.00		
Total	47.44	47.44	23.76	59,017	59,017

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.1765	6.1765	0.0000	0.0000	6.1765
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.1765	6.1765	0.0000	0.0000	6.1765
NaturalGas Mitigated	2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2306	2.2306	4.0000e-005	4.0000e-005	2.2439
NaturalGas Unmitigated	2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2306	2.2306	4.0000e-005	4.0000e-005	2.2439

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					
Automobile Care Center	41800	2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2306	2.2306	4.0000e-005	4.0000e-005	2.2439
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2306	2.2306	4.0000e-005	4.0000e-005	2.2439

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					
Automobile Care Center	41800	2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2306	2.2306	4.0000e-005	4.0000e-005	2.2439
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		2.3000e-004	2.0500e-003	1.7200e-003	1.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.2306	2.2306	4.0000e-005	4.0000e-005	2.2439

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	16900	4.0935	0.0000	0.0000	4.0935
Parking Lot	8599.5	2.0830	0.0000	0.0000	2.0830
Total		6.1765	0.0000	0.0000	6.1765

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	16900	4.0935	0.0000	0.0000	4.0935
Parking Lot	8599.5	2.0830	0.0000	0.0000	2.0830
Total		6.1765	0.0000	0.0000	6.1765

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0101	0.0000	3.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.6000e-004	6.6000e-004	0.0000	0.0000	7.0000e-004
Unmitigated	0.0101	0.0000	3.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.6000e-004	6.6000e-004	0.0000	0.0000	7.0000e-004

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	1.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.6000e-004	6.6000e-004	0.0000	0.0000	7.0000e-004
Total	0.0101	0.0000	3.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.6000e-004	6.6000e-004	0.0000	0.0000	7.0000e-004

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
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SubCategory	tons/yr										MT/yr					
	Architectural Coating	1.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	3.0000e-005	0.0000	3.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.6000e-004	6.6000e-004	0.0000	0.0000	7.0000e-004
Total	0.0101	0.0000	3.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.6000e-004	6.6000e-004	0.0000	0.0000	7.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.9635	6.1300e-003	1.4000e-004	1.1599
Unmitigated	0.9635	6.1300e-003	1.4000e-004	1.1599

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Automobile Care Center	0.188162 / 0.115325	0.9635	6.1300e-003	1.4000e-004	1.1599
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.9635	6.1300e-003	1.4000e-004	1.1599

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.188162 / 0.115325	0.9635	6.1300e-003	1.4000e-004	1.1599
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.9635	6.1300e-003	1.4000e-004	1.1599

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.5509	0.0917	0.0000	3.8422
Unmitigated	1.5509	0.0917	0.0000	3.8422

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	7.64	1.5509	0.0917	0.0000	3.8422
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1.5509	0.0917	0.0000	3.8422

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	7.64	1.5509	0.0917	0.0000	3.8422
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		1.5509	0.0917	0.0000	3.8422

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

415 South Highland Project - Existing Land Uses - Orange County, Summer

415 South Highland Project - Existing Land Uses
Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	2.00	1000sqft	0.05	2,000.00	0
Parking Lot	24.57	1000sqft	0.56	24,570.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use -

Construction Phase - CalEEMod Note 5

Off-road Equipment -

Off-road Equipment - CalEEMod Note 5

Trips and VMT - CalEEMod Note 5

Demolition -

Grading -

- Vehicle Trips -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Woodstoves -
- Consumer Products -
- Area Coating -
- Energy Use -
- Water And Wastewater -
- Solid Waste -
- Construction Off-road Equipment Mitigation -
- Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	12/14/2021	11/30/2021
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

2.2 Overall Operational

Unmitigated Operational

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

Area	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003
Energy	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
Mobile	0.0525	0.1798	0.4665	1.5600e-003	0.1348	1.2000e-003	0.1360	0.0361	1.1200e-003	0.0372		159.1791	159.1791	7.1600e-003		159.3580
Total	0.1093	0.1911	0.4787	1.6300e-003	0.1348	2.0600e-003	0.1369	0.0361	1.9800e-003	0.0380		172.6579	172.6579	7.4400e-003	2.5000e-004	172.9173

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003
Energy	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
Mobile	0.0525	0.1798	0.4665	1.5600e-003	0.1348	1.2000e-003	0.1360	0.0361	1.1200e-003	0.0372		159.1791	159.1791	7.1600e-003		159.3580
Total	0.1093	0.1911	0.4787	1.6300e-003	0.1348	2.0600e-003	0.1369	0.0361	1.9800e-003	0.0380		172.6579	172.6579	7.4400e-003	2.5000e-004	172.9173

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	11/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	0.0525	0.1798	0.4665	1.5600e-003	0.1348	1.2000e-003	0.1360	0.0361	1.1200e-003	0.0372		159.1791	159.1791	7.1600e-003		159.3580
Unmitigated	0.0525	0.1798	0.4665	1.5600e-003	0.1348	1.2000e-003	0.1360	0.0361	1.1200e-003	0.0372		159.1791	159.1791	7.1600e-003		159.3580

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	47.44	47.44	23.76	59,017	59,017
Parking Lot	0.00	0.00	0.00		
Total	47.44	47.44	23.76	59,017	59,017

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
NaturalGas Unmitigated	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	114.521	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	0.114521	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531

6.0 Area Detail

6.1 Mitigation Measures Area

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

Mitigated	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003
Unmitigated	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	6.9500e-003					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	0.0483					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005			6.2000e-003
Total	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005			6.2000e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	6.9500e-003					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	0.0483					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005			6.2000e-003
Total	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005			6.2000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

415 South Highland Project - Existing Land Uses - Orange County, Winter

415 South Highland Project - Existing Land Uses
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	2.00	1000sqft	0.05	2,000.00	0
Parking Lot	24.57	1000sqft	0.56	24,570.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use -

Construction Phase - CalEEMod Note 5

Off-road Equipment -

Off-road Equipment - CalEEMod Note 5

Trips and VMT - CalEEMod Note 5

Demolition -

Grading -

- Vehicle Trips -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Vehicle Emission Factors -
- Woodstoves -
- Consumer Products -
- Area Coating -
- Energy Use -
- Water And Wastewater -
- Solid Waste -
- Construction Off-road Equipment Mitigation -
- Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	12/14/2021	11/30/2021
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

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

Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

2.2 Overall Operational

Unmitigated Operational

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

Area	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003
Energy	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
Mobile	0.0516	0.1819	0.4650	1.4900e-003	0.1348	1.2200e-003	0.1360	0.0361	1.1300e-003	0.0372		151.9021	151.9021	7.2800e-003		152.0842
Total	0.1084	0.1932	0.4771	1.5600e-003	0.1348	2.0800e-003	0.1369	0.0361	1.9900e-003	0.0380		165.3809	165.3809	7.5600e-003	2.5000e-004	165.6434

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003
Energy	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
Mobile	0.0516	0.1819	0.4650	1.4900e-003	0.1348	1.2200e-003	0.1360	0.0361	1.1300e-003	0.0372		151.9021	151.9021	7.2800e-003		152.0842
Total	0.1084	0.1932	0.4771	1.5600e-003	0.1348	2.0800e-003	0.1369	0.0361	1.9900e-003	0.0380		165.3809	165.3809	7.5600e-003	2.5000e-004	165.6434

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2021	11/30/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.56

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37

Trips and VMT

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

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Mitigated	0.0516	0.1819	0.4650	1.4900e-003	0.1348	1.2200e-003	0.1360	0.0361	1.1300e-003	0.0372		151.9021	151.9021	7.2800e-003		152.0842
Unmitigated	0.0516	0.1819	0.4650	1.4900e-003	0.1348	1.2200e-003	0.1360	0.0361	1.1300e-003	0.0372		151.9021	151.9021	7.2800e-003		152.0842

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	47.44	47.44	23.76	59,017	59,017
Parking Lot	0.00	0.00	0.00		
Total	47.44	47.44	23.76	59,017	59,017

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934
Parking Lot	0.561378	0.043284	0.209473	0.111826	0.015545	0.005795	0.025829	0.017125	0.001747	0.001542	0.004926	0.000594	0.000934

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
NaturalGas Unmitigated	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	114.521	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Automobile Care Center	0.114521	1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.2400e-003	0.0112	9.4300e-003	7.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004		13.4730	13.4730	2.6000e-004	2.5000e-004	13.5531

6.0 Area Detail

6.1 Mitigation Measures Area

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

Mitigated	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003
Unmitigated	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.9500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003
Total	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.9500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0483					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.5000e-004	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003
Total	0.0555	2.0000e-005	2.7200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.8100e-003	5.8100e-003	2.0000e-005		6.2000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

CalEEMod Typical Construction Trailer - Orange County, Annual

**CalEEMod Typical Construction Trailer
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.72	1000sqft	0.02	720.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	534	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CalEEMod Note 1

Land Use - 720 sf construction trailer

Construction Phase -

Energy Use -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0
tblProjectCharacteristics	CO2IntensityFactor	702.44	534
tblProjectCharacteristics	N2OIntensityFactor	0.006	0

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	10072.8	2.4398	0.0000	0.0000	2.4398
Total		2.4398	0.0000	0.0000	2.4398

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	10072.8	2.4398	0.0000	0.0000	2.4398
Total		2.4398	0.0000	0.0000	2.4398

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