Appendix B

Air Quality and Greenhouse Gas Emissions Technical Documentation

Hilton Universal City Project

Draft EIR

Air Quality and Greenhouse Gas Technical Appendix

1. Air Quality and Greenhouse Gas Emissions Methodology
2. Air Quality Worksheets
3. Greenhouse Gas (GHG) Worksheets

Hilton Universal City Project

Draft EIR

1. Air Quality and Greenhouse Gas Emissions Methodology

Hilton Universal City Project

Draft EIR

2. Air Quality Worksheets

Emissions Modeling Outputs

a) Construction

(1) Emissions Summaries

- Unmitigated
- Mitigated

(2) Modeling Outputs

- Unmitigated
- Mitigated

(3) Mobile Calculations

b) Operations

(1) Emissions Summaries and Miscellaneous Calculations

(2) Mobile Calculations

(3) Modeling Outputs

Universal Hilton
Total Project Operations

Project Land Uses

Land Use Type	CalEEMod LandUse Type	CalEEMod LandUse Subtype	Amount	Unit	Building SF	Acreage
Project Land Uses						
Hotel	Recreational	Hotel	395.000	Rooms	198,268	
Other, Ciculation, Support	Commercial	General Office Building	85.112	KSF	85,112	
Fitness + Spa	Recreational	Health Club	11.296	KSF	11,296	
Restaurant and Bar	Recreational	Quality Restaurant	7.232	KSF	7,232	
Restaurant and Pool Food Service	Recreational	High Turnover Sit-Down Restaurant	9.535	KSF	9,535	
Courtyards 1 + 2 + Outdoor Seating	Parking	Other Non-asphalt surface	56.169	KSF	56,169	
Landscaping	Parking	Other Non-asphalt surface	31.240	KSF	31,240	
Pool + Jacuzi	Recreational	Pool	4.618	KSF	4,618	
Surface Parking	Parking	Parking Lot	116	spaces	23,216	
Hardscape Improvements	Parking	Other Asphalt Surface	109.309	KSF	109,309	
Parking Garage	Parking	Enclosed Parking Garage	348	spaces	63,426	
Meeting Room	Commercial	General Office	3.400	ksf	3,400	
Building Totals	Recreational	Hotel	395	Rooms	198,268	0.25
	Commercial	General Office Building	88.512	KSF	88,512	0.21
	Recreational	Health Club	11.296	KSF	11,296	0.01
	Recreational	Quality Restaurant	7.232	KSF	7,232	0.01
	Recreational	High Turnover Sit-Down Restaurant	9.535	KSF	9,535	0.01
	Parking	Other Non-asphalt surface	56.169	KSF	56,169	0.94
	Recreational	Pool	4.618	KSF	4,618	0.01
	Parking	Parking Lot	116.000	spaces	23,216	0.53
	Parking	Other Asphalt Surface	109.309	KSF	109,309	2.54
	Parking	Enclosed Parking Garage	348	spaces	63,426	0.43
					Total	4.94

Universal Hilton

Architectural and Area Coating Calculations

Total Project Operations

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

Nonresidential				
Recreational	Hotel	198,268	297,402	99,134
Commercial	General Office Building	88,512	132,768	44,256
Recreational	Health Club	11,296	16,944	5,648
Recreational	Quality Restaurant	7,232	10,848	3,616
Recreational	High Turnover Sit-Down Restaurant	9,535	14,303	4,768
Parking	Other Non-asphalt surface	56,169	84,254	28,085
Total Nonresidential			**556,518**	**185,506**

ENTER VALUES ABOVE INTO CALEEMOD

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Parking	Parking Lot	23,216	**1,393**	
Parking	Other Asphalt Surface	109,309	**6,559**	
Parking	Enclosed Parking Garage	63,426	**3,806**	
			11,758	

ENTER VALUES ABOVE INTO CALEEMOD

Universal Hilton

Hotel Site

Construction Assumptions

Project Land Uses

Land Use Type	CalEEMod LandUse Type	CalEEMod LandUse Subtype	Amount	Unit	Building SF	Acreage
Project Land Uses						
Hotel	Recreational	Hotel	393.000	Rooms	183,268	
Office, Cafeteria, Support A	Commercial	General Office Building	83.112	KSF	83,112	
Interior Spa	Recreational	Health Club	11.295	KSF	11,295	
Restaurant and Bar	Recreational	Quality Restaurant	7.252	KSF	7,252	
Restaurant and Pool Food Service	Recreational	High Turnover (Sit-Down Restaurant	9.353	KSF	9,353	
Courtyards 1, 2, 3, 4, Cl Addon Seating	Parking	Other Non-asphalt Surface	36.169	KSF	36,169	
Landscaping	Parking	Other Non-asphalt Surface	51.240	KSF	51,240	
Pool + Terrace	Recreational	Pool	4.613	KSF	4,613	
Surface Parking	Parking	Parking Lot	116	spaces	25,216	
Hardscape Improvements	Parking	Other Asphalt Surface	109.509	KSF	109,509	
Building Totals	Recreational	Hotel	393.000	Rooms	183,268	0.23
	Commercial	General Office Building	83.112	KSF	83,112	0.14
	Recreational	Health Club	11.295	KSF	11,295	0.01
	Recreational	Quality Restaurant	7.252	KSF	7,252	0.01
	Recreational	High Turnover (Sit-Down Restaurant	9.353	KSF	9,353	0.01
	Parking	Other Non-asphalt Surface	36.169	KSF	36,169	0.04
	Recreational	Pool	4.613	KSF	4,613	0.01
	Parking	Parking Lot	116.000	spaces	25,216	0.35
	Parking	Other Asphalt Surface	109.509	KSF	109,509	2.34
				Total		4.44
				Garage Site		0.50
						4.94

Construction Data[2]

Construction Phase	CalEEMod Phase Type	Start Date	End Date	Workdays (5 days/week)	Worker Vehicles/Day	Workers Trips (In/Out)/Day	Vendor Trips/Day (In/Out)	Total Haul (or Concrete) Trips (In/Out)	Total Haul (or Concrete) Trucks/Day	Haul (or Concrete) Trips/Day (In/Out)
Demolition	Demolition	3/1/2024	3/22/2024	18	20	40		772	21	42
Site Preparation	Site Preparation	3/25/2024	4/12/2024	18	10	20		18	1	2
Grading	Grading	4/14/2024	6/22/2024	50	20	40		3,134	100	200
Trenching	Trenching	4/14/2024	6/1/2024	42	8	16				
Foundations	Building Construction	5/22/2024	6/25/2024	2	48	96		578	100	200
		6/26/2024	8/22/2024	76	48	96		9,200	30	100
Building Construction	Building Construction	8/25/2024	5/22/2026	468	120	240	84			
		8/25/2024	12/31/2024	86	120	240				
		1/1/2025	12/31/2025	515	120	240				
		1/1/2026	5/22/2026	98	120	240				
Paving	Paving	7/25/2024	8/25/2024	28	15	30				
Architectural Coating	Architectural Coating	5/25/2026	8/9/2026	120	20	40				

Demolition Quantities

Total	Amount	
Building Waste Volume (CY)	4,623	from EPII
Building Waste weight (tons)[1]	5,700	from EPII
Total Debris Weight (tons)	5,700	
Total Demolition Debris (CY)	4,625	
Haul Truck Capacity (CY)	12	from data needs
Total Haul Trucks Required	385	
Total Haul Truck Trips (In/Out)	772	
Total Haul Truck Trips (In/Out) per Day	42	

Site Preparation

Parameters	Amount	
Excavation Volume (Import) (CY)	100	from data needs
Haul Truck Capacity (CY)	12	from data needs
Total Haul Trucks Required	9	
Total Haul Truck Trips (In/Out)	18	
Total Haul Truck Trips (In/Out) per Day	2	

Excavation Quantities

Parameters	Amount	
Material (Import) (CY)	58,875	from EPII
Total Material (Import/Export)	58,875	
Haul Truck Capacity (CY)	15	from data needs
Total Haul Trucks Required	2,392	
Total Haul Truck Trips (In/Out)	5,184	
Daily Haul Amount (CY)	1,500	
Total Haul Truck Trips (In/Out) per Day	200	

Foundations/Concrete Quantities

Foundations	Amount	
Total Concrete Volume (CY)	52,000	from data needs
Concrete Truck Capacity (CY)	10	
Total Concrete Trucks Required	5,200	
Total Concrete Truck Trips (In/Out)	9,400	
Daily Max Concrete Amount (CY)	500	from data needs
Max Concrete Truck Trips (In/Out) per Day	100	
Days Needed	94	

Base

Length (ft)	Thickness	Base Width	umes cubic feet of concr	Assumed CY of Concrete Required
3.28	1.00	10	3,280.00	196

Stem

Length (ft)	Height (ft)	Stem/Wall Width	umes cubic feet of concr	Assumed CY of Concrete Required
3.28	20.00	1	10,360.00	592

Retaining Wall

Total Concrete Volume (CY) + 30% Conservative Est.	832
Concrete Truck Capacity (CY)	10
Total Concrete Trucks Required	83
Total Concrete Truck Trips (In/Out)	178
Daily Max Concrete Amount (CY)	500
Max Concrete Truck Trips (In/Out) per Day	100
Days Needed	2

Source: https://caltrainer.com/Retaining-wall-Design/#:~:text=Rules%20of%20thumb%20commonly%20used,per%20foot%20of%20wall%20length.

Notes:

1 CalEEMod User's Guide, Appendix A

2 Client Data Needs

Universal Hilton
Air Quality and Greenhouse Gas Assessment - Construction Assumptions
Hotel Site
Off-Road Heavy-Duty Construction Equipment

Construction Phase	Heavy-Duty Equipment	No. of Heavy-Duty Equipment	No. of hours/day	Hours of Operation/Week Per Equipment	Notes/Comments
Demolition	Air Compressors	3	8	48	
	Concrete/Industrial Saws	3	8	48	
	Crawler Tractors	1	8	48	
	Generator Set	3	8	48	2 used for jackhammers
	Sweeper/Scrubber	1	8	48	
	Tractors/Loaders/Backhoes	5	8	48	
	Off-highway Truck	1	8	48	Water Truck
	Haul Trucks	4			Modeled outside CalEEMod
Site Preparation	Air Compressor	1	8	48	
	Crawler Tractors	1	8	48	
	Generator Set	1	8	48	
	Sweeper/Scrubber	1	8	48	
	Tractors/Loaders/Backhoes	3	8	48	
Grading	Crawler Tractor	2	8	48	
	Excavator	1	8	48	
	Generator Set	1	8	48	
	Plate Compactor	2	8	48	
	Rollers	1	8	48	
	Skid Steer Loader	1	8	48	
	Sweeper/Scrubbers	1	8	48	
	Tractors/Loaders/Backhoes	5	8	48	
	Off-highway Truck	1	8	48	Water Truck
Trenching	Air Compressors	1	8	48	
	Cement/Mortar Mixer	1	8	48	
	Concrete/Industrial Saw	2	8	48	
	Dumper/Tender	1	8	48	
	Forklift	1	8	48	
	Generator Set	3	8	48	2 used for jackhammers
	Plate Compactor	2	8	48	
	Tractors/Loaders/Backhoes	3	8	48	
	Trencher	1	8	48	
Foundations	Air Compressors	2	12	72	
	Bore/Drill Rig	3	12	72	Pile Driver (Vibratory)
	Cement/Mortar Mixer	3	12	72	
	Concrete/Industrial Saws	2	12	72	
	Cranes	2	12	72	
	Dumper/Tenders	4	12	72	
	Forklifts	2	12	72	
	Generator Set	4	12	72	2 used for jackhammers
	Pumps	3	12	72	
	Sweeper/Scrubber	1	12	72	
	Tractors/Loaders/Backhoes	2	12	72	
Building Construction	Air Compressors	3	8	48	
	Cement/Mortar Mixer	3	8	48	
	Concrete/Industrial Saws	3	8	48	
	Cranes	2	8	48	
	Dumper/Tenders	2	8	48	
	Forklifts	4	8	48	
	Pumps	3	8	48	
	Skid Steer Loader	1	8	28	
	Sweeper/Scrubber	1	8	48	
	Tractors/Loaders/Backhoes	2	8	48	
Paving	Air Compressor	1	8	48	
	Concrete/Industrial Saw	1	8	48	
	Generator	2	8	48	2 used for jackhammers
	Paver	1	8	48	
	Paving Equipment	3	8	48	
	Plate Compactors	1	8	48	
	Rollers	1	8	48	
	Skid Steer Loader	2	8	48	
	Surfacing Equipment	1	8	48	
	Sweeper/Scrubbers	1	8	48	
	Tractors/Loaders/Backhoes	3	8	48	
Architectural Coating	Air Compressor	4	8	48	

Universal Hilton

Architectural and Area Coating Calculations

Hotel Site

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

ENTER VALUES ABOVE INTO CALEEMOD

Nonresidential				
Recreational	Hotel	198,268	297,402	99,134
Commercial	General Office Building	85,112	127,668	42,556
Recreational	Health Club	11,296	16,944	5,648
Recreational	Quality Restaurant	7,232	10,848	3,616
Recreational	High Turnover Sit-Down Restaurant	9,535	14,303	4,768
Parking	Other Non-asphalt surface	56,169	84,254	28,085
Total Nonresidential			**551,418**	**183,806**

ENTER VALUES ABOVE INTO CALEEMOD

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Parking	Parking Lot	23,216	**1,393**	
Parking	Other Asphalt Surface	109,309	**6,559**	
			-	
			-	
			7,952	

ENTER VALUES ABOVE INTO CALEEMOD

Universal Hilton
Garage Site
Construction Assumptions

Project Land Uses

Land Use Type	CalEEMod LandUse Type	CalEEMod LandUse Subtype	Amount	Unit	Building SF	Acreage
Project Land Uses						
Parking Garage	Parking	Enclosed Parking Garage	348	spaces	63,426	0.43
Meeting Room	Commercial	General Office	3.4	ksf	3,400	0.07
					Total	0.50

Construction Data[2]

Construction Phase	CalEEMod Phase Type	Start Date	End Date	Workdays (6 days/week)	Worker Vehicles/Day	Workers Trips (In/Out)/ Day	Vendor Trips/Day (In/Out)	Total Haul (or Concrete) Trips (In/Out)	Total Haul (or Concrete) Trucks/Day	Haul (or Concrete) Trips/Day (In/Out)
Demolition	Demolition	3/1/2024	3/13/2024	11	20	40		16	1	2
Grading	Grading	3/14/2024	5/11/2024	51	15	30		6,418	100	200
Foundations	Building Construction	5/12/2024	6/16/2024	30	25	50		1,500	30	60
Building Construction	Building Construction	6/17/2024	12/1/2024	144	45	90	12			
Paving	Paving	12/2/2024	12/16/2024	13	15	30				
Architectural Coatings	Architectural Coatings	11/1/2024	12/1/2024	26	10	20				

Demolition Quantities

Hardscape		
Debris Volume (CY)	5,375	From KPFF
Hardscape Debris Weight (tons)	4,300	From KPFF
Total Debris Weight (tons)	4,300	
Total Demolition Debris (CY)	**5,375**	
Haul Truck Capacity (CY)	12	From data needs
Total Haul Trucks Required	8	
Total Haul Truck Trips (In/Out)	**16**	
Total Haul Truck Trips (In/Out) per day	2	

Excavation Quantities

Parameters	Amount	
Excavation Volume (Export) (CY)	**48,125**	**<--Enter in CalEEMod**
Haul Truck Capacity (CY)	15	
Total Haul Trucks Required	3,209	
Total Haul Truck Trips (In/Out)	**6,418**	**<--Enter in CalEEMod**
Daily Haul Amount (CY)	**1,500**	
Total Haul Truck Trips (In/Out) per day	200	

Foundations

Parameters	Amount
Material(Export) (CY)	**7,500**
Haul Truck Capacity (CY)	10
Total Haul Trucks Required	750
Total Haul Truck Trips (In/Out)	**1,500**
Daily Max Concrete Amount (CY)	**300**
Total Haul Truck Trips (In/Out) per day	60

Notes:

1 CalEEMod User's Guide, Appendix A

2 Client Data Needs

Universal Hilton
Air Quality and Greenhouse Gas Assessment - Construction Assumptions
Garage Site
Off-Road Heavy-Duty Construction Equipment - Maximum Month

Construction Phase	Heavy-Duty Equipment	No. of Heavy-Duty Equipment	No. of hours/day	Hours of Operation/Week Per Equipment	Notes/Comments
Demolition	Air Compressors	2	8	48	
	Concrete/Industrial Saws	2	8	48	
	Generator Set	1	8	48	1 used for jackhammers
	Skid Steer Loader	1	8	48	
	Sweeper/Scrubber	1	8	48	
	Tractors/Loaders/Backhoes	2	8	48	
	Off-highway Truck	1	8	48	Water Truck
Grading	Bore/Drill Rig	2	8	48	Pile Driver (Vibratory)
	Excavator	1	8	48	
	Generator Set	1	8	48	1 used for jackhammers
	Plate Compactor	1	8	48	
	Pump	1	8	48	
	Sweeper/Scrubbers	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
	Off-highway Truck	1	8	48	Water Truck
Foundations	Air Compressors	2	8	48	
	Cement/Mortar Mixer	2	8	48	
	Cranes	1	8	48	
	Excavator	1	8	48	
	Generator Set	2	8	48	1 used for jackhammers
	Pumps	1	8	48	
	Rough Terrain Forklifts	2	8	48	
	Skid Steer Loader	1	8	48	
	Sweeper/Scrubber	1	8	48	
Building Construction	Air Compressors	2	8	48	
	Cement/Mortar Mixer	2	8	48	
	Concrete/Industrial Saws	2	8	48	
	Cranes	1	8	48	
	Pumps	2	8	48	
	Rough Terrain Forklifts	2	8	48	
	Skid Steer Loader	1	8	48	
	Sweeper/Scrubber	1	8	48	
Paving	Concrete/Industrial Saw	2	8	48	
	Paver	1	8	48	
	Plate Compactors	1	8	48	
	Rollers	1	8	48	
	Skid Steer Loader	2	8	48	
	Sweeper/Scrubbers	1	8	48	
	Tractors/Loaders/Backhoes	1	8	48	
Architectural Coating	Air Compressor	2	8	48	

Universal Hilton

Architectural and Area Coating Calculations

Garage Site

CalEEMod assumes the total surface for architectural coating equals:		
Residential Coating Area	2.7	times the floor square footage
	75%	interior
	25%	exterior
Nonresidential Coating Area	2	times the square footage
	75%	interior
	25%	exterior
Parking Lot Coating Area	6%	of the square footage
	0%	exterior for surface lot

Source: SCAQMD, CEQA Air Quality Handbook, (1993) A9-124.

ENTER VALUES ABOVE INTO CALEEMOD

Nonresidential				
Commercial	General Office	3,400	5,100	1,700
Total Nonresidential			**5,100**	**1,700**

ENTER VALUES ABOVE INTO CALEEMOD

Parking				
Land Use		**Area (sf)**	**Interior (sf)**	**Exterior (sf)**
Parking	Enclosed Parking Garage	63,426	**3,806**	
			3,806	

ENTER VALUES ABOVE INTO CALEEMOD

Universal Hilton
Air Quality Assessment

Localized Significance Thresholds
(SCAQMD, Final Localized Significance Threshold Methodology, Appendix C (2008))

Source Receptor Area 7

Screening Distance to Sensitive Receptors 200 meters [a]

	Screening Values			**Project Site** [b]
Acres	1	2	5	**4.94**
Construction LSTs				
NOX	122	144	194	**193**
CO	2,227	2,786	4,119	**4,092**
PM10	54	62	84	**83.6**
PM2.5	18	21	28	**27.9**
Operational LSTs				
NOX	122	144	194	**193**
CO	2,227	2,786	4,119	**4,092**
PM10	13	15	21	**20.9**
PM2.5	5	5	7	**7.0**

Notes:

a. The nearest air quality sensitive receptors during Project construction and operations are approximately 750 feet to the southwest (residential).

b. Project screening levels are linearly interpolated based on the 2- and 5- acre acreening levels.

Universal Hilton
Air Quality Assessment

Localized Significance Thresholds
(SCAQMD, Final Localized Significance Threshold Methodology, Appendix C (2008))

Source Receptor Area 7

Screening Distance to Sensitive Receptors 25 meters [a]

	Screening Values			**Project Site** [b]
Acres	1	2	5	**4.94**
Construction LSTs				
NOX	80	114	172	**171**
CO	498	786	1,434	**1,421**
PM10	4	7	14	**13.9**
PM2.5	3	4	8	**7.9**
Operational LSTs				
NOX	80	114	172	**171**
CO	498	786	1,434	**1,421**
PM10	1	2	4	**4.0**
PM2.5	1	1	2	**2.0**

Notes:

a. For informational purposes, thresholds generated for existing hotel where SCAQMD generally does not consider hotels as sensitive receptors.

b. Project screening levels are linearly interpolated based on the 2- and 5- acre acreening levels.

4th and Central

Utility Provider: LADWP

CO2 Intensity Factor RPS under SB100

Year	RPS Mandate	Electricity Emission Factor (MT CO2/MWh)	Electricity Emission Factor (lbs CO2/MWh)
Base	Base	0.43	939.82
2021	35.20%	0.28	609.00
Base			
2021	35.20%	0.276	609.00
2022	38.13%	0.264	581.43
2023	41.07%	0.251	553.86
2024	44.00%	0.239	526.30
2025	46.67%	0.227	501.24
2026	49.33%	0.216	476.17
2027	52.00%	0.205	451.11
2028	54.67%	0.193	426.05
2029	57.33%	0.182	400.99
2030	60.0%	0.171	375.93
2031	62.7%	0.159	350.86
2032	65.3%	0.148	325.80
2033	68.0%	0.136	300.74
2034	70.7%	0.125	275.68
2035	73.3%	0.114	250.62
2036	76.0%	0.102	225.56
2037	78.7%	0.091	200.49
2038	81.3%	0.080	175.43
2039	84.0%	0.068	150.37
2040	86.7%	0.057	125.31
2041	89.3%	0.045	100.25
2042	92.0%	0.034	75.19
2043	94.7%	0.023	50.12
2044	97.3%	0.011	25.06
2045	100%	0.000	0.00
2046	100%	0.000	0.00
2047	100%	0.000	0.00
2048	100%	0.000	0.00
2049	100%	0.000	0.00
2050	100%	0.000	0.00
2051	100%	0.000	0.00
2052	100%	0.000	0.00
2053	100%	0.000	0.00

[1] Los Angeles Department of Water and Power, 2021 Power Content Label, https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-powercontentlabel?_afrLoop=923396235471419&_afrWindowMode=0&_afrWindowId=null#%40%3F_afrWindowId%3Dnull%26_afrLoop%3D923396235471419%26_afrWindowMode%3D0%26_adf.ctrl-state%3Dwuxmmmsie_4

3 SB-100 California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases, https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180

4th and Central

Utility Provider: LADWP

CO2 Intensity Factor BAU

Year	RPS Mandate	Electricity Emission Factor (MT CO2/MWh)	Electricity Emission Factor (lbs CO2/MWh)
Base	Base	0.43	939.82
2021	35.20%	0.28	609.00

Base

2021	35.20%	0.28	609.00
2022	35.84%	0.27	602.94
2023	36.49%	0.27	596.89
2024	37.13%	0.27	590.83
2025	37.78%	0.27	584.77
2026	38.42%	0.26	578.72
2027	39.07%	0.26	572.66
2028	39.71%	0.26	566.60
2029	40.36%	0.25	560.55
2030	41.00%	0.25	554.49

[1] Los Angeles Department of Water and Power, 2021 Power Content Label, https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-powercontentlabel?_afrLoop=923396235471419&_afrWindowMode=0&_afrWindowId=null#%40%3F_afrWindowId%3Dnull%26_afrLoop%3D923396235471419%26_afrWindowMode%3D0%26_adf.ctrl-state%3Dwuxmmmsie_4

[2] Climate Change Scoping Plan, Appendix D - Pathways, pg 3, https://ww2.arb.ca.gov/sites/default/files/classic//cc/scopingplan/2030sp_appd_pathways_final.pdf

Emissions Modeling Outputs

a) Construction

(1) Emissions Summaries

- Unmitigated
- Mitigated

(2) Modeling Outputs

- Unmitigated
- Mitigated

(3) Mobile Calculations

Universal Hilton
Air Quality Construction Analysis
Construction Overlap

Site	Regional Maximums Site	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
						lb/day					
Hotel	Demolition	3.32	30.45	33.48	0.10	4.37	1.11	5.48	0.85	1.02	1.87
Garage	Demolition	1.99	14.46	19.32	0.04	5.97	0.54	6.51	0.96	0.50	1.46
SubTotal		5.31	44.91	52.79	0.14	10.34	1.65	11.99	1.81	1.52	3.33
Hotel	Demolition	3.32	30.45	33.48	0.10	4.37	1.11	5.48	0.85	1.02	1.87
Garage	Grading	2.15	41.22	29.74	0.23	5.93	0.76	6.69	1.57	0.72	2.29
SubTotal		5.47	71.67	63.21	0.33	10.30	1.88	12.17	2.42	1.74	4.16
Hotel	Site Preparation	1.26	10.02	12.95	0.02	0.52	0.53	1.05	0.10	0.48	0.59
Garage	Grading	2.15	41.22	29.74	0.23	5.93	0.76	6.69	1.57	0.72	2.29
SubTotal		3.41	51.24	42.68	0.25	6.45	1.29	7.74	1.67	1.20	2.87
Hotel	Grading	3.24	50.32	40.44	0.24	6.47	1.36	7.83	1.65	1.26	2.91
	Trenching	1.77	13.99	16.93	0.03	0.21	0.57	0.78	0.05	0.52	0.58
Garage	Grading	2.15	41.22	29.74	0.23	5.93	0.76	6.69	1.57	0.72	2.29
SubTotal		7.15	105.53	87.10	0.50	12.60	2.70	15.30	3.27	2.50	5.77
Hotel	Grading	3.24	50.32	40.44	0.24	6.47	1.36	7.83	1.65	1.26	2.91
	Trenching	1.77	13.99	16.93	0.03	0.21	0.57	0.78	0.05	0.52	0.58
Garage	Foundations	2.06	21.79	22.99	0.08	1.75	0.62	2.37	0.45	0.58	1.03
SubTotal		7.07	86.10	80.36	0.35	8.42	2.56	10.98	2.15	2.37	4.52
Hotel	Grading	3.24	50.32	40.44	0.24	6.47	1.36	7.83	1.65	1.26	2.91
Garage	Building Construction	2.22	17.33	23.94	0.05	1.27	0.60	1.87	0.32	0.55	0.87
SubTotal		5.46	67.65	64.38	0.29	7.73	1.96	9.69	1.96	1.82	3.78
Hotel	Foundations	6.35	69.83	66.97	0.24	4.92	2.12	7.04	1.29	1.96	3.25
	Paving	2.64	20.58	27.59	0.05	0.39	0.87	1.26	0.10	0.80	0.90
Garage	Building Construction	2.22	17.33	23.94	0.05	1.27	0.60	1.87	0.32	0.55	0.87
SubTotal		11.20	107.74	118.49	0.34	6.58	3.59	10.16	1.70	3.31	5.01
Hotel	Building Construction	4.35	34.54	46.37	0.12	3.83	1.20	5.03	0.96	1.11	2.07
Garage	Building Construction	2.22	17.33	23.94	0.05	1.27	0.60	1.87	0.32	0.55	0.87
	Architectural Coatings	2.32	2.50	4.08	0.01	0.26	0.09	0.34	0.06	0.08	0.14
SubTotal		8.90	54.37	74.40	0.17	5.36	1.88	7.24	1.34	1.74	3.08
Hotel	Building Construction	4.35	34.54	46.37	0.12	3.83	1.20	5.03	0.96	1.11	2.07
Garage	Paving	1.39	10.26	14.93	0.02	0.39	0.42	0.81	0.10	0.39	0.48
SubTotal		5.74	44.81	61.30	0.14	4.22	1.62	5.84	1.06	1.49	2.55

Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Maximum	11.20	107.74	118.49	0.50	12.60	3.59	15.30	3.27	3.31	5.77
SCAQMD Regional Significance Threholds	75	100	550	150	None	None	150	None	None	55
Overlap - Exceeds Thresholds?	No	Yes	No	No			No			No

Site	Localized Maximum Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
						lb/day					
Hotel	Demolition	3.04	23.95	28.31	0.05	2.69	1.04	3.73	0.41	0.96	1.36
Garage	Demolition	1.84	14.00	17.12	0.03	5.40	0.53	5.94	0.82	0.49	1.31
SubTotal		4.89	37.95	45.43	0.09	8.09	1.57	9.67	1.23	1.45	2.67
Hotel	Demolition	3.04	23.95	28.31	0.05	2.69	1.04	3.73	0.41	0.96	1.36
Garage	Grading	1.36	10.88	13.37	0.03	0.02	0.44	0.46	0.00	0.40	0.41
SubTotal		4.40	34.84	41.68	0.08	2.71	1.48	4.19	0.41	1.36	1.77
Hotel	Site Preparation	1.18	9.64	11.77	0.02	0.21	0.52	0.73	0.02	0.48	0.50
Garage	Grading	1.36	10.88	13.37	0.03	0.02	0.44	0.46	0.00	0.40	0.41
SubTotal		2.54	20.53	25.14	0.04	0.23	0.96	1.19	0.03	0.88	0.91
Hotel	Grading	2.41	19.95	23.55	0.04	0.43	1.03	1.46	0.05	0.95	1.00
	Trenching	1.71	13.92	16.11	0.03	0.00	0.57	0.57	0.00	0.52	0.52
Garage	Grading	1.36	10.88	13.37	0.03	0.02	0.44	0.46	0.00	0.40	0.41
SubTotal		5.48	44.76	53.03	0.10	0.45	2.04	2.49	0.05	1.88	1.93
Hotel	Grading	2.41	19.95	23.55	0.04	0.43	1.03	1.46	0.05	0.95	1.00
	Trenching	1.71	13.92	16.11	0.03	0.00	0.57	0.57	0.00	0.52	0.52
Garage	Foundations	1.70	14.83	16.69	0.03	0.00	0.55	0.55	0.00	0.51	0.51
SubTotal		5.83	48.70	56.35	0.10	0.43	2.16	2.59	0.05	1.99	2.03
Hotel	Grading	2.41	19.95	23.55	0.04	0.43	1.03	1.46	0.05	0.95	1.00
Garage	Building Construction	1.89	16.19	18.78	0.03	0.00	0.59	0.59	0.00	0.54	0.54
SubTotal		4.30	36.14	42.33	0.08	0.43	1.62	2.05	0.05	1.49	1.54
Hotel	Foundations	5.39	46.90	49.57	0.10	0.00	1.89	1.89	0.00	1.74	1.74
	Paving	2.53	20.46	26.05	0.05	0.00	0.87	0.87	0.00	0.80	0.80
Garage	Building Construction	1.89	16.19	18.78	0.03	0.00	0.59	0.59	0.00	0.54	0.54
SubTotal		9.81	83.55	94.39	0.18	0.00	3.35	3.35	0.00	3.08	3.08
Hotel	Building Construction	3.33	28.13	30.23	0.06	0.00	1.15	1.15	0.00	1.06	1.06
Garage	Building Construction	1.89	16.19	18.78	0.03	0.00	0.59	0.59	0.00	0.54	0.54
	Architectural Coatings	2.26	2.42	3.06	0.00	0.00	0.08	0.08	0.00	0.08	0.08
SubTotal		7.47	46.74	52.06	0.10	0.00	1.82	1.82	0.00	1.67	1.67
Hotel	Building Construction	3.33	28.13	30.23	0.06	0.00	1.15	1.15	0.00	1.06	1.06
Garage	Paving	1.28	10.15	13.39	0.02	0.00	0.42	0.42	0.00	0.39	0.39
SubTotal		4.61	38.28	43.62	0.08	0.00	1.57	1.57	0.00	1.44	1.44

Overlapping Phases										
Maximum	9.81	83.55	94.39	0.18	8.09	3.35	9.67	1.23	3.08	3.08
SCAQMD Regional Significance Threholds	None	193.0	4092.3	None	None	None	83.6	None	None	27.9
Overlap - Exceeds Thresholds?		No	No				No			No

Universal Hilton
Air Quality Construction Analysis
Construction Overlap
Existing Hotel Receptor

Site	Localized Maximum Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
						lb/day					
Hotel	Demolition	3.0	24.0	28.3	0.05	2.69	1.04	3.7	0.4	1.0	1.4
Garage	Demolition	1.8	14.0	17.1	0.03	5.40	0.53	5.9	0.8	0.5	1.3
SubTotal		4.9	37.9	45.4	0.09	8.1	1.6	9.7	1.2	1.4	2.7
Hotel	Demolition	3.0	24.0	28.3	0.05	2.7	1.0	3.7	0.4	1.0	1.4
Garage	Grading	1.4	10.9	13.4	0.03	0.02	0.44	0.5	0.0	0.4	0.4
SubTotal		4.4	34.8	41.7	0.08	2.7	1.5	4.2	0.4	1.4	1.8
Hotel	Site Preparation	1.2	9.6	11.8	0.02	0.21	0.52	0.7	0.0	0.5	0.5
Garage	Grading	1.4	10.9	13.4	0.03	0.02	0.44	0.5	0.0	0.4	0.4
SubTotal		2.5	20.5	25.1	0.04	0.2	1.0	1.2	0.0	0.9	0.9
Hotel	Grading	2.4	19.9	23.6	0.04	0.43	1.03	1.5	0.0	1.0	1.0
	Trenching	1.7	13.9	16.1	0.03	0.00	0.57	0.6	0.0	0.5	0.5
Garage	Grading	1.4	10.9	13.4	0.03	0.02	0.44	0.5	0.0	0.4	0.4
SubTotal		5.5	44.8	53.0	0.10	0.4	2.0	2.5	0.0	1.9	1.9
Hotel	Grading	2.4	19.9	23.6	0.04	0.43	1.03	1.5	0.0	1.0	1.0
	Trenching	1.7	13.9	16.1	0.03	0.00	0.57	0.6	0.0	0.5	0.5
Garage	Foundations	1.7	14.8	16.7	0.03	0.00	0.55	0.6	0.0	0.5	0.5
SubTotal		5.8	48.7	56.3	0.10	0.4	2.2	2.6	0.0	2.0	2.0
Hotel	Grading	2.4	19.9	23.6	0.04	0.4	1.0	1.5	0.0	1.0	1.0
Garage	Building Construction	1.9	16.2	18.8	0.03	0.0	0.6	0.6	0.0	0.5	0.5
SubTotal		4.3	36.1	42.3	0.08	0.4	1.6	2.0	0.0	1.5	1.5
Hotel	Foundations	5.4	46.9	49.6	0.10	0.00	1.89	1.9	0.0	1.7	1.7
	Paving	2.5	20.5	26.0	0.05	0.00	0.87	0.9	0.0	0.8	0.8
Garage	Building Construction	1.9	16.2	18.8	0.03	0.00	0.59	0.6	0.0	0.5	0.5
SubTotal		9.8	83.6	94.4	0.18	0.0	3.3	3.3	0.0	3.1	3.1
Hotel	Building Construction	3.3	28.1	30.2	0.06	0.00	1.15	1.1	0.0	1.1	1.1
Garage	Building Construction	1.9	16.2	18.8	0.03	0.00	0.59	0.6	0.0	0.5	0.5
	Architectural Coatings	2.3	2.4	3.1	0.00	0.00	0.08	0.1	0.0	0.1	0.1
SubTotal		7.5	46.7	52.1	0.10	0.0	1.8	1.8	0.0	1.7	1.7
Hotel	Building Construction	3.3	28.1	30.2	0.06	0.00	1.15	1.1	0.0	1.1	1.1
Garage	Paving	1.3	10.1	13.4	0.02	0.00	0.42	0.4	0.0	0.4	0.4
SubTotal		4.6	38.3	43.6	0.08	0.0	1.6	1.6	0.0	1.4	1.4
	Overlapping Phases										
	Maximum	9.8	83.6	94.4	0.18	8.1	3.3	9.7	1.2	3.1	3.1
	SCAQMD Regional Significance Threholds	None	170.8	1421.0	None	None	None	13.9	None	None	7.9
	Overlap - Exceeds Thresholds?		No	No				No			No

Universal Hilton
Air Quality Construction Analysis
Construction Overlap - Mitigated

Site	Regional Maximums	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	Site	lb/day									
Hotel	Demolition	2	20	38	0	4	1	5	1	1	1
Garage	Demolition	1	10	23	0	6	0	6	1	0	1
SubTotal		4	30	61	0	10	1	11	2	1	3
Hotel	Demolition	2	20	38	0	4	1	5	1	1	1
Garage	Grading	2	35	34	0	6	1	6	2	1	2
SubTotal		4	55	72	0	10	1	11	2	1	3
Hotel	Site Preparation	1	4	13	0	1	0	1	0	0	0
Garage	Grading	2	35	34	0	6	1	6	2	1	2
SubTotal		2	39	47	0	6	1	7	2	1	2
Hotel	Grading	2	38	45	0	6	1	7	2	1	2
	Trenching	1	10	17	0	0	0	1	0	0	0
Garage	Grading	2	35	34	0	6	1	6	2	1	2
SubTotal		5	83	96	1	13	2	14	3	1	5
Hotel	Grading	2	38	45	0	6	1	7	2	1	2
	Trenching	1	10	17	0	0	0	1	0	0	0
Garage	Foundations	2	17	26	0	2	0	2	0	0	1
SubTotal		5	64	87	0	8	1	10	2	1	3
Hotel	Grading	2	38	45	0	6	1	7	2	1	2
Garage	Building Construction	2	12	27	0	1	0	2	0	0	1
SubTotal		4	50	71	0	8	1	9	2	1	3
Hotel	Foundations	5	48	74	0	5	1	6	1	1	2
	Paving	2	11	32	0	0	0	1	0	0	0
Garage	Building Construction	2	12	27	0	1	0	2	0	0	1
SubTotal		8	71	133	0	7	2	9	2	2	4
Hotel	Building Construction	3	23	50	0	4	1	4	1	1	2
Garage	Building Construction	2	12	27	0	1	0	2	0	0	1
	Architectural Coatings	2	2	4	0	0	0	0	0	0	0
SubTotal		7	38	81	0	5	1	6	1	1	2
Hotel	Building Construction	3	23	50	0	4	1	4	1	1	2
Garage	Paving	1	8	16	0	0	0	1	0	0	0
SubTotal		4	31	66	0	4	1	5	1	1	2

Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Maximum	8	83	133	1	13	2	14	3	2	5
SCAQMD Regional Significance Threholds	75.0	100.0	550.0	150.0	None	None	150.0	None	None	55.0
Overlap - Exceeds Thresholds?	No	No	No	No			No			No

Site	Localized Maximum Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
		lb/day									
Hotel	Demolition	2.0	13.5	32.3	0.05	2.69	0.50	3.2	0.4	0.5	0.9
Garage	Demolition	1.3	9.8	21.1	0.03	5.40	0.33	5.7	0.8	0.3	1.1
SubTotal		3.3	23.3	53.4	0.09	8.1	0.8	8.9	1.2	0.8	2.0
Hotel	Demolition	2.0	13.5	32.3	0.05	2.7	0.5	3.2	0.4	0.5	0.9
Garage	Grading	0.8	4.9	17.6	0.03	0.02	0.21	0.2	0.0	0.2	0.2
SubTotal		2.7	18.4	50.0	0.08	2.7	0.7	3.4	0.4	0.7	1.1
Hotel	Site Preparation	0.6	3.8	12.0	0.02	0.21	0.17	0.4	0.0	0.2	0.2
Garage	Grading	0.8	4.9	17.6	0.03	0.02	0.21	0.2	0.0	0.2	0.2
SubTotal		1.4	8.7	29.7	0.04	0.2	0.4	0.6	0.0	0.4	0.4
Hotel	Grading	1.0	7.2	27.7	0.04	0.43	0.27	0.7	0.0	0.3	0.3
	Trenching	1.4	10.0	16.5	0.03	0.00	0.38	0.4	0.0	0.4	0.4
Garage	Grading	0.8	4.9	17.6	0.03	0.02	0.21	0.2	0.0	0.2	0.2
SubTotal		3.1	22.2	61.8	0.10	0.4	0.9	1.3	0.0	0.8	0.9
Hotel	Grading	1.0	7.2	27.7	0.04	0.43	0.27	0.7	0.0	0.3	0.3
	Trenching	1.4	10.0	16.5	0.03	0.00	0.38	0.4	0.0	0.4	0.4
Garage	Foundations	1.3	9.6	19.3	0.03	0.00	0.35	0.3	0.0	0.3	0.3
SubTotal		3.7	26.9	63.5	0.10	0.4	1.0	1.4	0.0	0.9	1.0
Hotel	Grading	1.0	7.2	27.7	0.04	0.4	0.3	0.7	0.0	0.3	0.3
Garage	Building Construction	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0
SubTotal		1.0	7.2	27.7	0.04	0.4	0.3	0.7	0.0	0.3	0.3
Hotel	Foundations	3.6	25.5	56.6	0.10	0.00	0.99	1.0	0.0	0.9	0.9
	Paving	1.7	10.9	30.6	0.05	0.00	0.35	0.4	0.0	0.3	0.3
Garage	Building Construction	1.5	11.0	21.4	0.03	0.00	0.38	0.4	0.0	0.3	0.3
SubTotal		6.7	47.3	108.5	0.18	0.0	1.7	1.7	0.0	1.6	1.6
Hotel	Building Construction	2.2	16.5	34.2	0.06	0.00	0.57	0.6	0.0	0.5	0.5
Garage	Building Construction	1.5	11.0	21.4	0.03	0.00	0.38	0.4	0.0	0.3	0.3
	Architectural Coatings	2.3	2.4	3.1	0.00	0.00	0.08	0.1	0.0	0.1	0.1
SubTotal		6.0	29.9	58.6	0.10	0.0	1.0	1.0	0.0	1.0	1.0
Hotel	Building Construction	2.2	16.5	34.2	0.06	0.00	0.57	0.6	0.0	0.5	0.5
Garage	Paving	1.0	8.4	14.1	0.02	0.00	0.25	0.2	0.0	0.2	0.2
SubTotal		3.3	24.9	48.3	0.08	0.0	0.8	0.8	0.0	0.8	0.8

Overlapping Phases										
Maximum	6.7	47.3	108.5	0.18	8.1	1.7	8.9	1.2	1.6	2.0
SCAQMD Regional Significance Threholds	None	193.0	4092.3	None	None	None	83.6	None	None	27.9
Overlap - Exceeds Thresholds?		No	No				No			No

Universal Hilton - Hotel Site
Air Quality Construction Analysis

Regional Maximums Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
Demolition - 2024	3.32	30.45	33.48	0.098	4.37	1.11	5.48	0.85	1.02	1.87
Site Preparation - 2024	1.26	10.02	12.95	0.021	0.52	0.53	1.05	0.10	0.48	0.59
Grading - 2024	3.24	50.32	40.44	0.244	6.47	1.36	7.83	1.65	1.26	2.91
Trenching - 2024	1.77	13.99	16.93	0.029	0.21	0.57	0.78	0.05	0.52	0.58
Foundations - 2024	6.35	69.83	66.97	0.244	4.92	2.12	7.04	1.29	1.96	3.25
Paving - 2024	2.64	20.58	27.59	0.050	0.39	0.87	1.26	0.10	0.80	0.90
Building Construction - 2024	4.35	34.54	46.37	0.116	3.83	1.20	5.03	0.96	1.11	2.07
Building Construction - 2025	4.10	32.77	45.18	0.115	3.83	1.07	4.90	0.96	0.98	1.95
Building Construction - 2026	3.91	31.36	44.15	0.113	3.83	0.96	4.79	0.96	0.89	1.85
Architectural Coating - 2026	29.47	4.70	7.82	0.014	0.52	0.13	0.64	0.13	0.12	0.24
Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Grading + Trenching - 2024	5.00	64.31	57.37	0.273	6.67	1.93	8.60	1.70	1.79	3.49
Trenching + Foundations - 2024	8.11	83.82	83.90	0.273	5.13	2.69	7.82	1.34	2.48	3.82
Foundations + Paving - 2024	8.98	90.41	94.55	0.294	5.31	2.99	8.30	1.39	2.76	4.14
Project Daily Maximum Emissions	**29.47**	**90.41**	**94.55**	**0.294**	**6.67**	**2.99**	**8.60**	**1.70**	**2.76**	**4.14**

Localized Maximum Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
Demolition - 2024	3.04	23.95	28.31	0.051	2.69	1.04	3.73	0.41	0.96	1.36
Site Preparation - 2024	1.18	9.64	11.77	0.017	0.21	0.52	0.73	0.02	0.48	0.50
Grading - 2024	2.41	19.95	23.55	0.041	0.43	1.03	1.46	0.05	0.95	1.00
Trenching - 2024	1.71	13.92	16.11	0.027	0.00	0.57	0.57	0.00	0.52	0.52
Foundations - 2024	5.39	46.90	49.57	0.097	0.00	1.89	1.89	0.00	1.74	1.74
Paving - 2024	2.53	20.46	26.05	0.046	0.00	0.87	0.87	0.00	0.80	0.80
Building Construction - 2024	3.33	28.13	30.23	0.057	0.00	1.15	1.15	0.00	1.06	1.06
Building Construction - 2025	3.13	26.67	29.98	0.057	0.00	1.02	1.02	0.00	0.94	0.94
Building Construction - 2026	3.00	25.56	29.78	0.057	0.00	0.92	0.92	0.00	0.84	0.84
Architectural Coating - 2026	29.36	4.57	6.04	0.009	0.00	0.12	0.12	0.00	0.11	0.11
Overlapping Phases										
Grading + Trenching - 2024	4.12	29.59	35.33	0.058	0.63	1.56	2.19	0.07	1.43	1.50
Trenching + Foundations - 2024	7.11	60.82	65.68	0.124	0.00	2.46	2.46	0.00	2.27	2.27
Foundations + Paving - 2024	7.93	67.36	75.62	0.143	0.00	2.76	2.76	0.00	2.54	2.54
Project Daily Maximum Emissions	**29.36**	**67.36**	**75.62**	**0.143**	**2.69**	**2.76**	**3.73**	**0.41**	**2.54**	**2.54**

Universal Hilton - Hotel Site
Air Quality Construction Analysis

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation - 2024	1.18	9.64	11.77	0.017	0.21	0.52	0.73	0.02	0.48	0.50	0.07	0.38	1.17	0.004	0.31	0.00	0.32	0.08	0.00	0.08
Grading - 2024	2.41	19.95	23.55	0.041	0.43	1.03	1.46	0.05	0.95	1.00	0.83	30.37	16.88	0.203	6.04	0.33	6.37	1.60	0.31	1.91
Trenching - 2024	1.71	13.92	16.11	0.027	0.00	0.57	0.57	0.00	0.52	0.52	0.05	0.06	0.82	0.002	0.21	0.00	0.21	0.05	0.00	0.05
Foundations - 2024	5.39	46.90	49.57	0.097	0.00	1.89	1.89	0.00	1.74	1.74	0.95	22.94	17.40	0.148	4.92	0.22	5.15	1.29	0.21	1.50
Paving - 2024	2.53	20.46	26.05	0.046	0.00	0.87	0.87	0.00	0.80	0.80	0.10	0.12	1.54	0.004	0.39	0.00	0.39	0.10	0.00	0.10
Building Construction - 2024	3.33	28.13	30.23	0.057	0.00	1.15	1.15	0.00	1.06	1.06	1.02	6.42	16.15	0.059	3.83	0.05	3.88	0.96	0.05	1.01
Building Construction - 2025	3.13	26.67	29.98	0.057	0.00	1.02	1.02	0.00	0.94	0.94	0.96	6.10	15.19	0.057	3.83	0.05	3.88	0.96	0.05	1.01
Building Construction - 2026	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating - 2026	29.36	4.57	6.04	0.009	0.00	0.12	0.12	0.00	0.11	0.11	0.12	0.13	1.78	0.005	0.52	0.00	0.52	0.13	0.00	0.13

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Demolition - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation - 2024	1.26	10.02	12.95	0.021	0.52	0.53	1.05	0.10	0.48	0.59
Grading - 2024	3.24	50.32	40.44	0.244	6.47	1.36	7.83	1.65	1.26	2.91
Trenching - 2024	1.77	13.99	16.93	0.029	0.21	0.57	0.78	0.05	0.52	0.58
Foundations - 2024	6.35	69.83	66.97	0.244	4.92	2.12	7.04	1.29	1.96	3.25
Paving - 2024	2.64	20.58	27.59	0.050	0.39	0.87	1.26	0.10	0.80	0.90
Building Construction - 2024	4.35	34.54	46.37	0.116	3.83	1.20	5.03	0.96	1.11	2.07
Building Construction - 2025	4.10	32.77	45.18	0.115	3.83	1.07	4.90	0.96	0.98	1.95
Building Construction - 2026	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating - 2026	29.47	4.70	7.82	0.014	0.52	0.13	0.64	0.13	0.12	0.24

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Grading + Trenching - 2024	5.00	64.31	57.37	0.273	6.67	1.93	8.60	1.70	1.79	3.49
Trenching + Foundations - 2024	8.11	83.82	83.90	0.273	5.13	2.69	7.82	1.34	2.48	3.82
Foundations + Paving - 2024	8.98	90.41	94.55	0.294	5.31	2.99	8.30	1.39	2.76	4.14
Project Daily Maximum Emissions	**29.47**	**90.41**	**94.55**	**0.294**	**6.67**	**2.99**	**8.60**	**1.70**	**2.76**	**4.14**

Universal Hilton - Hotel Site

Air Quality Construction Analysis

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition - 2024	3.04	23.95	28.31	0.051	2.69	1.04	3.73	0.41	0.96	1.36	0.28	6.50	5.17	0.047	1.68	0.07	1.75	0.44	0.07	0.51
Site Preparation - 2024	1.18	9.64	11.77	0.017	0.21	0.52	0.73	0.02	0.48	0.50	0.07	0.38	1.17	0.004	0.31	0.00	0.32	0.08	0.00	0.08
Grading - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Trenching - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction - 2024	3.33	28.13	30.23	0.057	0.00	1.15	1.15	0.00	1.06	1.06	1.02	6.42	16.15	0.059	3.83	0.05	3.88	0.96	0.05	1.01
Building Construction - 2025	3.13	26.67	29.98	0.057	0.00	1.02	1.02	0.00	0.94	0.94	0.96	6.10	15.19	0.057	3.83	0.05	3.88	0.96	0.05	1.01
Building Construction - 2026	3.00	25.56	29.78	0.057	0.00	0.92	0.92	0.00	0.84	0.84	0.91	5.80	14.37	0.056	3.83	0.05	3.88	0.96	0.05	1.01
Architectural Coating - 2026	29.36	4.57	6.04	0.009	0.00	0.12	0.12	0.00	0.11	0.11	0.12	0.13	1.78	0.005	0.52	0.00	0.52	0.13	0.00	0.13

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Demolition - 2024	3.32	30.45	33.48	0.098	4.37	1.11	5.48	0.85	1.02	1.87
Site Preparation - 2024	1.26	10.02	12.95	0.021	0.52	0.53	1.05	0.10	0.48	0.59
Grading - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Trenching - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction - 2024	4.35	34.54	46.37	0.116	3.83	1.20	5.03	0.96	1.11	2.07
Building Construction - 2025	4.10	32.77	45.18	0.115	3.83	1.07	4.90	0.96	0.98	1.95
Building Construction - 2026	3.91	31.36	44.15	0.113	3.83	0.96	4.79	0.96	0.89	1.85
Architectural Coating - 2026	29.47	4.70	7.82	0.014	0.52	0.13	0.64	0.13	0.12	0.24

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Grading + Trenching - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Trenching + Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Foundations + Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**29.47**	**34.54**	**46.37**	**0.116**	**4.37**	**1.20**	**5.48**	**0.96**	**1.11**	**2.07**

Universal Hilton - Hotel Site

Air Quality Construction Analysis

Mitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
Demolition - 2024	2.24	20.03	37.51	0.098	4.37	0.58	4.94	0.85	0.54	1.38
Site Preparation - 2024	0.69	4.18	13.21	0.021	0.52	0.17	0.69	0.10	0.16	0.26
Grading - 2024	1.83	37.61	44.61	0.244	6.47	0.59	7.06	1.65	0.56	2.21
Trenching - 2024	1.42	10.09	17.29	0.029	0.21	0.38	0.59	0.05	0.35	0.41
Foundations - 2024	4.58	48.39	73.95	0.244	4.92	1.21	6.14	1.29	1.13	2.42
Paving - 2024	1.76	10.99	32.16	0.050	0.39	0.36	0.74	0.10	0.33	0.43
Building Construction - 2024	3.27	22.90	50.36	0.116	3.83	0.63	4.46	0.96	0.58	1.55
Building Construction - 2025	3.09	22.26	49.26	0.115	3.83	0.57	4.40	0.96	0.53	1.49
Building Construction - 2026	2.96	21.68	48.36	0.113	3.83	0.52	4.35	0.96	0.49	1.45
Architectural Coating - 2026	29.47	4.70	7.82	0.014	0.52	0.13	0.64	0.13	0.12	0.24
Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Grading + Trenching - 2024	3.26	47.70	61.90	0.273	6.67	0.98	7.65	1.70	0.92	2.62
Trenching + Foundations - 2024	6.01	58.48	91.24	0.273	5.13	1.60	6.73	1.34	1.49	2.83
Foundations + Paving - 2024	6.34	59.38	106.11	0.294	5.31	1.57	6.88	1.39	1.47	2.85
Project Daily Maximum Emissions	**29.47**	**59.38**	**106.11**	**0.294**	**6.67**	**1.60**	**7.65**	**1.70**	**1.49**	**2.85**

Localized Maximum Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
Demolition - 2024	1.96	13.53	32.34	0.051	2.69	0.50	3.20	0.41	0.47	0.88
Site Preparation - 2024	0.61	3.80	12.04	0.017	0.21	0.17	0.37	0.02	0.16	0.18
Grading - 2024	1.00	7.24	27.72	0.041	0.43	0.27	0.69	0.05	0.25	0.30
Trenching - 2024	1.37	10.03	16.47	0.027	0.00	0.38	0.38	0.00	0.35	0.35
Foundations - 2024	3.63	25.45	56.55	0.097	0.00	0.99	0.99	0.00	0.92	0.92
Paving - 2024	1.65	10.87	30.62	0.046	0.00	0.35	0.35	0.00	0.33	0.33
Building Construction - 2024	2.24	16.49	34.21	0.057	0.00	0.57	0.57	0.00	0.53	0.53
Building Construction - 2025	2.13	16.17	34.07	0.057	0.00	0.52	0.52	0.00	0.48	0.48
Building Construction - 2026	2.05	15.88	33.98	0.057	0.00	0.48	0.48	0.00	0.44	0.44
Architectural Coating - 2026	29.36	4.57	6.04	0.009	0.00	0.12	0.12	0.00	0.11	0.11
Overlapping Phases										
Grading + Trenching - 2024	2.37	11.04	39.76	0.058	0.63	0.44	1.07	0.07	0.41	0.48
Trenching + Foundations - 2024	5.00	35.48	73.02	0.124	0.00	1.37	1.37	0.00	1.27	1.27
Foundations + Paving - 2024	5.28	36.33	87.17	0.143	0.00	1.34	1.34	0.00	1.25	1.25
Project Daily Maximum Emissions	**29.36**	**36.33**	**87.17**	**0.143**	**2.69**	**1.37**	**3.20**	**0.41**	**1.27**	**1.27**

Universal Hilton - Hotel Site
Air Quality Construction Analysis
Mitigated

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
						lb/day										lb/day				
Demolition - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation - 2024	0.61	3.80	12.04	0.017	0.21	0.17	0.37	0.02	0.16	0.18	0.07	0.38	1.17	0.004	0.31	0.00	0.32	0.08	0.00	0.08
Grading - 2024	1.00	7.24	27.72	0.041	0.43	0.27	0.69	0.05	0.25	0.30	0.83	30.37	16.88	0.203	6.04	0.33	6.37	1.60	0.31	1.91
Trenching - 2024	1.37	10.03	16.47	0.027	0.00	0.38	0.38	0.00	0.35	0.35	0.05	0.06	0.82	0.002	0.21	0.00	0.21	0.05	0.00	0.05
Foundations - 2024	3.63	25.45	56.55	0.097	0.00	0.99	0.99	0.00	0.92	0.92	0.95	22.94	17.40	0.148	4.92	0.22	5.15	1.29	0.21	1.50
Paving - 2024	1.65	10.87	30.62	0.046	0.00	0.35	0.35	0.00	0.33	0.33	0.10	0.12	1.54	0.004	0.39	0.00	0.39	0.10	0.00	0.10
Building Construction - 2024	2.24	16.49	34.21	0.057	0.00	0.57	0.57	0.00	0.53	0.53	1.02	6.42	16.15	0.059	3.83	0.05	3.88	0.96	0.05	1.01
Building Construction - 2025	2.13	16.17	34.07	0.057	0.00	0.48	0.48	0.00	0.48	0.48	0.96	6.10	15.19	0.057	3.83	0.05	3.88	0.96	0.05	1.01
Building Construction - 2026	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating - 2026	29.36	4.57	6.04	0.009	0.00	0.12	0.12	0.00	0.11	0.11	0.12	0.13	1.78	0.005	0.52	0.00	0.52	0.13	0.00	0.13

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Demolition - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation - 2024	0.69	4.18	13.21	0.021	0.52	0.17	0.69	0.10	0.16	0.26
Grading - 2024	1.83	37.61	44.61	0.244	6.47	0.59	7.06	1.65	0.56	2.21
Trenching - 2024	1.42	10.09	17.29	0.029	0.21	0.38	0.59	0.05	0.35	0.41
Foundations - 2024	4.58	48.39	73.95	0.244	4.92	1.21	6.14	1.29	1.13	2.42
Paving - 2024	1.76	10.99	32.16	0.050	0.39	0.36	0.74	0.10	0.33	0.43
Building Construction - 2024	3.27	22.90	50.36	0.116	3.83	0.63	4.46	0.96	0.58	1.55
Building Construction - 2025	3.09	22.26	49.26	0.115	3.83	0.53	4.36	0.96	0.53	1.49
Building Construction - 2026	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating - 2026	29.47	4.70	7.82	0.014	0.52	0.13	0.64	0.13	0.12	0.24

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases

	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Grading + Trenching - 2024	3.26	47.70	61.90	0.273	6.67	0.98	7.65	1.70	0.92	2.62
Trenching + Foundations - 2024	6.01	58.48	91.24	0.273	5.13	1.60	6.73	1.34	1.49	2.83
Foundations + Paving - 2024	6.34	59.38	106.11	0.294	5.31	1.57	6.88	1.39	1.47	2.85
Project Daily Maximum Emissions	**29.47**	**59.38**	**106.11**	**0.294**	**6.67**	**1.60**	**7.65**	**1.70**	**1.49**	**2.85**

Universal Hilton - Hotel Site

Air Quality Construction Analysis

Mitigated

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
Demolition - 2024	1.96	13.53	32.34	0.051	2.69	0.50	3.20	0.41	0.47	0.88	0.28	6.50	5.17	0.047	1.68	0.07	1.75	0.44	0.07	0.51
Site Preparation - 2024	0.61	3.80	12.04	0.017	0.21	0.17	0.37	0.02	0.16	0.18	0.07	0.38	1.17	0.004	0.31	0.00	0.32	0.08	0.00	0.08
Grading - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Trenching - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction - 2024	2.24	16.49	34.21	0.057	0.00	0.57	0.57	0.00	0.53	0.53	1.02	6.42	16.15	0.059	3.83	0.05	3.88	0.96	0.05	1.01
Building Construction - 2025	2.13	16.17	34.07	0.057	0.00	0.52	0.52	0.00	0.48	0.48	0.96	6.10	15.19	0.057	3.83	0.05	3.88	0.96	0.05	1.01
Building Construction - 2026	2.05	15.88	33.98	0.057	0.00	0.48	0.48	0.00	0.44	0.44	0.91	5.80	14.37	0.056	3.83	0.05	3.88	0.96	0.05	1.01
Architectural Coating - 2026	29.36	4.57	6.04	0.009	0.00	0.12	0.12	0.00	0.11	0.11	0.12	0.13	1.78	0.005	0.52	0.00	0.52	0.13	0.00	0.13

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Demolition - 2024	2.24	20.03	37.51	0.098	4.37	0.58	4.94	0.85	0.54	1.38
Site Preparation - 2024	0.69	4.18	13.21	0.021	0.52	0.17	0.69	0.10	0.16	0.26
Grading - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Trenching - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction - 2024	3.27	22.90	50.36	0.116	3.83	0.63	4.46	0.96	0.58	1.55
Building Construction - 2025	3.09	22.26	49.26	0.115	3.83	0.57	4.40	0.96	0.53	1.49
Building Construction - 2026	2.96	21.68	48.36	0.113	3.83	0.52	4.35	0.96	0.49	1.45
Architectural Coating - 2026	29.47	4.70	7.82	0.014	0.52	0.13	0.64	0.13	0.12	0.24

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Grading + Trenching - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Trenching + Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Foundations + Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
Project Daily Maximum Emissions	**29.47**	**22.90**	**50.36**	**0.116**	**4.37**	**0.63**	**4.94**	**0.96**	**0.58**	**1.55**

Universal Hilton - Garage Site
Air Quality Construction Analysis

Regional Maximums Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
3.2 Demolition - 2024	1.99	14.46	19.32	0.04	5.97	0.54	6.51	0.96	0.50	1.46
3.3 Grading - 2024	2.15	41.22	29.74	0.23	5.93	0.76	6.69	1.57	0.72	2.29
3.4 Foundations - 2024	2.06	21.79	22.99	0.08	1.75	0.62	2.37	0.45	0.58	1.03
3.5 Building Construction - 2024	2.22	17.33	23.94	0.05	1.27	0.60	1.87	0.32	0.55	0.87
3.6 Architectural Coating - 2024	2.32	2.50	4.08	0.01	0.26	0.09	0.34	0.06	0.08	0.14
3.7 Paving - 2024	1.39	10.26	14.93	0.02	0.39	0.42	0.81	0.10	0.39	0.48
Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Building Construction + Architectural Coating - 2024	4.55	19.83	28.02	0.06	1.53	0.68	2.21	0.38	0.63	1.01
Project Daily Maximum Emissions	**4.55**	**41.22**	**29.74**	**0.23**	**5.97**	**0.76**	**6.69**	**1.57**	**0.72**	**2.29**

Localized Maximum Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
3.2 Demolition - 2024	1.84	14.00	17.12	0.03	5.40	0.53	5.94	0.82	0.49	1.31
3.3 Grading - 2024	1.36	10.88	13.37	0.03	0.02	0.44	0.46	0.00	0.40	0.41
3.4 Foundations - 2024	1.70	14.83	16.69	0.03	0.00	0.55	0.55	0.00	0.51	0.51
3.5 Building Construction - 2024	1.89	16.19	18.78	0.03	0.00	0.59	0.59	0.00	0.54	0.54
3.6 Architectural Coating - 2024	2.26	2.42	3.06	0.00	0.00	0.08	0.08	0.00	0.08	0.08
3.7 Paving - 2024	1.28	10.15	13.39	0.02	0.00	0.42	0.42	0.00	0.39	0.39
Overlapping Phases										
Building Construction + Architectural Coating - 2024	4.14	18.62	21.84	0.04	0.00	0.67	0.67	0.00	0.62	0.62
Project Daily Maximum Emissions	**4.14**	**18.62**	**21.84**	**0.04**	**5.40**	**0.67**	**5.94**	**0.82**	**0.62**	**1.31**

Universal Hilton - Garage Site
Air Quality Construction Analysis

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Demolition - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.3 Grading - 2024	1.36	10.88	13.37	0.028	0.02	0.44	0.46	0.00	0.40	0.41	0.79	30.34	16.37	0.202	5.91	0.33	6.24	1.57	0.31	1.88
3.4 Foundations - 2024	1.70	14.83	16.69	0.031	0.00	0.55	0.55	0.00	0.51	0.51	0.36	6.96	6.31	0.047	1.75	0.07	1.82	0.45	0.07	0.52
3.5 Building Construction - 2024	1.89	16.19	18.78	0.035	0.00	0.59	0.59	0.00	0.54	0.54	0.34	1.13	5.16	0.015	1.27	0.01	1.28	0.32	0.01	0.33
3.6 Architectural Coating - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.7 Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Demolition - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.3 Grading - 2024	2.15	41.22	29.74	0.230	5.93	0.76	6.69	1.57	0.72	2.29
3.4 Foundations - 2024	2.06	21.79	22.99	0.078	1.75	0.62	2.37	0.45	0.58	1.03
3.5 Building Construction - 2024	2.22	17.33	23.94	0.050	1.27	0.60	1.87	0.32	0.55	0.87
3.6 Architectural Coating - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.7 Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases

	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Building Construction + Architectural Coating - 2024	2.22	17.33	23.94	0.05	1.27	0.60	1.87	0.32	0.55	0.87
Project Daily Maximum Emissions	**2.22**	**41.22**	**29.74**	**0.23**	**5.93**	**0.76**	**6.69**	**1.57**	**0.72**	**2.29**

Universal Hilton - Garage Site
Air Quality Construction Analysis

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Demolition - 2024	1.84	14.00	17.12	0.034	5.40	0.53	5.94	0.82	0.49	1.31	0.14	0.46	2.20	0.007	0.57	0.01	0.58	0.14	0.01	0.15
3.3 Grading - 2024	1.36	10.88	13.37	0.028	0.02	0.44	0.46	0.00	0.40	0.41	0.79	30.34	16.37	0.202	5.91	0.33	6.24	1.57	0.31	1.88
3.4 Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.5 Building Construction - 2024	1.89	16.19	18.78	0.035	0.00	0.59	0.59	0.00	0.54	0.54	0.34	1.13	5.16	0.015	1.27	0.01	1.28	0.32	0.01	0.33
3.6 Architectural Coating - 2024	2.26	2.42	3.06	0.005	0.00	0.08	0.08	0.00	0.08	0.08	0.07	0.08	1.02	0.002	0.26	0.00	0.26	0.06	0.00	0.07
3.7 Paving - 2024	1.28	10.15	13.39	0.020	0.00	0.42	0.42	0.00	0.39	0.39	0.10	0.12	1.54	0.004	0.39	0.00	0.39	0.10	0.00	0.10

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Demolition - 2024	1.99	14.46	19.32	0.041	5.97	0.54	6.51	0.96	0.50	1.46
3.3 Grading - 2024	2.15	41.22	29.74	0.230	5.93	0.76	6.69	1.57	0.72	2.29
3.4 Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.5 Building Construction - 2024	2.22	17.33	23.94	0.050	1.27	0.60	1.87	0.32	0.55	0.87
3.6 Architectural Coating - 2024	2.32	2.50	4.08	0.007	0.26	0.09	0.34	0.06	0.08	0.14
3.7 Paving - 2024	1.39	10.26	14.93	0.024	0.39	0.42	0.81	0.10	0.39	0.48

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Building Construction + Architectural Coating - 2024	4.55	19.83	28.02	0.06	1.53	0.68	2.21	0.38	0.63	1.01
Project Daily Maximum Emissions	**4.55**	**41.22**	**29.74**	**0.23**	**5.97**	**0.76**	**6.69**	**1.57**	**0.72**	**2.29**

Universal Hilton - Garage Site
Air Quality Construction Analysis
Mitigated

Regional Maximums Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
3.2 Demolition - 2024	1.45	10.26	23.29	0.041	5.97	0.33	6.31	0.96	0.31	1.27
3.3 Grading - 2024	1.55	35.23	34.01	0.230	5.93	0.54	6.47	1.57	0.51	2.08
3.4 Foundations - 2024	1.63	16.58	25.57	0.078	1.75	0.41	2.16	0.45	0.39	0.84
3.5 Building Construction - 2024	1.80	12.12	26.52	0.050	1.27	0.39	1.66	0.32	0.36	0.68
3.6 Architectural Coating - 2024	2.32	2.50	4.08	0.007	0.26	0.09	0.34	0.06	0.08	0.14
3.7 Paving - 2024	1.13	8.50	15.62	0.024	0.39	0.25	0.64	0.10	0.23	0.33
Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Building Construction + Architectural Coating - 2024	4.12	14.62	30.60	0.057	1.53	0.47	2.00	0.38	0.44	0.82
Project Daily Maximum Emissions	**4.12**	**35.23**	**34.01**	**0.230**	**5.97**	**0.54**	**6.47**	**1.57**	**0.51**	**2.08**

Localized Maximum Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
3.2 Demolition - 2024	1.30	9.80	21.09	0.034	5.40	0.33	5.73	0.82	0.30	1.12
3.3 Grading - 2024	0.76	4.89	17.64	0.028	0.02	0.21	0.23	0.00	0.20	0.20
3.4 Foundations - 2024	1.28	9.62	19.26	0.031	0.00	0.35	0.35	0.00	0.32	0.32
3.5 Building Construction - 2024	1.46	10.99	21.35	0.035	0.00	0.38	0.38	0.00	0.35	0.35
3.6 Architectural Coating - 2024	2.26	2.42	3.06	0.005	0.00	0.08	0.08	0.00	0.08	0.08
3.7 Paving - 2024	1.03	8.38	14.08	0.020	0.00	0.25	0.25	0.00	0.23	0.23
Overlapping Phases										
Building Construction + Architectural Coating - 2024	3.72	13.41	24.41	0.039	0.00	0.46	0.46	0.00	0.43	0.43
Project Daily Maximum Emissions	**3.72**	**13.41**	**24.41**	**0.039**	**5.40**	**0.46**	**5.73**	**0.82**	**0.43**	**1.12**

Universal Hilton - Garage Site
Air Quality Construction Analysis

Summer	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
						lb/day										lb/day				
3.2 Demolition - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.3 Grading - 2024	0.76	4.89	17.64	0.028	0.02	0.21	0.23	0.00	0.20	0.20	0.79	30.34	16.37	0.202	5.91	0.33	6.24	1.57	0.31	1.88
3.4 Foundations - 2024	1.28	9.62	19.26	0.031	0.00	0.35	0.35	0.00	0.32	0.32	0.36	6.96	6.31	0.047	1.75	0.07	1.82	0.45	0.07	0.52
3.5 Building Construction - 2024	1.46	10.99	21.35	0.035	0.00	0.38	0.38	0.00	0.35	0.35	0.34	1.13	5.16	0.015	1.27	0.01	1.28	0.32	0.01	0.33
3.6 Architectural Coating - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.7 Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Demolition - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.3 Grading - 2024	1.55	35.23	34.01	0.230	5.93	0.54	6.47	1.57	0.51	2.08
3.4 Foundations - 2024	1.63	16.58	25.57	0.078	1.75	0.41	2.16	0.45	0.39	0.84
3.5 Building Construction - 2024	1.80	12.12	26.52	0.050	1.27	0.39	1.66	0.32	0.36	0.68
3.6 Architectural Coating - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.7 Paving - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Building Construction + Architectural Coating - 2024	1.80	12.12	26.52	0.050	1.27	0.39	1.66	0.32	0.36	0.68
Project Daily Maximum Emissions	**1.80**	**35.23**	**34.01**	**0.230**	**5.93**	**0.54**	**6.47**	**1.57**	**0.51**	**2.08**

Universal Hilton - Garage Site
Air Quality Construction Analysis

Winter	Onsite Emissions										Offsite Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Demolition - 2024	1.30	9.80	21.09	0.034	5.40	0.33	5.73	0.82	0.30	1.12	0.14	0.46	2.20	0.007	0.57	0.01	0.58	0.14	0.01	0.15
3.3 Grading - 2024	0.76	4.89	17.64	0.028	0.02	0.21	0.23	0.00	0.20	0.20	0.79	30.34	16.37	0.202	5.91	0.33	6.24	1.57	0.31	1.88
3.4 Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.5 Building Construction - 2024	1.46	10.99	21.35	0.035	0.00	0.38	0.38	0.00	0.35	0.35	0.34	1.13	5.16	0.015	1.27	0.01	1.28	0.32	0.01	0.33
3.6 Architectural Coating - 2024	2.26	2.42	3.06	0.005	0.00	0.08	0.08	0.00	0.08	0.08	0.07	0.08	1.02	0.002	0.26	0.00	0.26	0.06	0.00	0.07
3.7 Paving - 2024	1.03	8.38	14.08	0.020	0.00	0.25	0.25	0.00	0.23	0.23	0.10	0.12	1.54	0.004	0.39	0.00	0.39	0.10	0.00	0.10

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Demolition - 2024	1.45	10.26	23.29	0.041	5.97	0.33	6.31	0.96	0.31	1.27
3.3 Grading - 2024	1.55	35.23	34.01	0.230	5.93	0.54	6.47	1.57	0.51	2.08
3.4 Foundations - 2024	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
3.5 Building Construction - 2024	1.80	12.12	26.52	0.050	1.27	0.39	1.66	0.32	0.36	0.68
3.6 Architectural Coating - 2024	2.32	2.50	4.08	0.007	0.26	0.09	0.34	0.06	0.08	0.14
3.7 Paving - 2024	1.13	8.50	15.62	0.024	0.39	0.25	0.64	0.10	0.23	0.33

Note: Offsite emissions pasted over from EMFAC2021 analysis

Overlapping Phases										
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Building Construction + Architectural Coating - 2024	4.12	14.62	30.60	0.057	1.53	0.47	2.00	0.38	0.44	0.82
Project Daily Maximum Emissions	**4.12**	**35.23**	**34.01**	**0.230**	**5.97**	**0.54**	**6.47**	**1.57**	**0.51**	**2.08**

Hilton-Hotel-Con Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-Hotel-Con
Construction Start Date	3/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.12

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Hotel	395	Room	0.25	198,268	0.00	—	—	—

General Office Building	85.1	1000sqft	0.14	85,112	0.00	—	—	—
Health Club	11.3	1000sqft	0.01	11,296	0.00	—	—	—
Quality Restaurant	7.23	1000sqft	0.01	7,232	0.00	—	—	—
High Turnover (Sit Down Restaurant)	9.54	1000sqft	0.01	9,535	0.00	—	—	—
Other Non-Asphalt Surfaces	56.2	1000sqft	0.94	56,169	31,240	—	—	—
Recreational Swimming Pool	4.62	1000sqft	0.01	4,618	0.00	—	—	—
Parking Lot	23.2	1000sqft	0.53	23,216	0.00	—	—	—
Other Asphalt Surfaces	109	1000sqft	2.54	109,309	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.16	29.4	67.4	75.6	0.14	2.76	0.43	2.76	2.54	0.05	2.54	—	13,817	13,817	0.56	0.11	0.00	13,864
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.99	29.4	28.1	30.2	0.06	1.15	2.69	3.73	1.06	0.41	1.36	—	5,391	5,391	0.22	0.04	0.00	5,410

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.50	10.2	24.8	27.5	0.05	1.06	0.22	1.28	0.97	0.03	1.00	—	4,912	4,912	0.20	0.04	0.00	4,929
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.64	1.87	4.53	5.02	0.01	0.19	0.04	0.23	0.18	0.01	0.18	—	813	813	0.03	0.01	0.00	816

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	9.16	7.93	67.4	75.6	0.14	2.76	0.43	2.76	2.54	0.05	2.54	—	13,817	13,817	0.56	0.11	0.00	13,864
2025	3.76	3.13	26.7	30.0	0.06	1.02	0.00	1.02	0.94	0.00	0.94	—	5,391	5,391	0.22	0.04	0.00	5,410
2026	0.78	29.4	4.57	6.04	0.01	0.12	0.00	0.12	0.11	0.00	0.11	—	712	712	0.03	0.01	0.00	714
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.99	3.33	28.1	30.2	0.06	1.15	2.69	3.73	1.06	0.41	1.36	—	5,391	5,391	0.22	0.04	0.00	5,409
2025	3.76	3.13	26.7	30.0	0.06	1.02	0.00	1.02	0.94	0.00	0.94	—	5,391	5,391	0.22	0.04	0.00	5,410
2026	3.60	29.4	25.6	29.8	0.06	0.92	0.00	0.92	0.84	0.00	0.84	—	5,389	5,389	0.22	0.04	0.00	5,408
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.50	2.94	24.8	27.5	0.05	1.06	0.22	1.28	0.97	0.03	1.00	—	4,912	4,912	0.20	0.04	0.00	4,929
2025	3.22	2.69	22.9	25.7	0.05	0.87	0.00	0.87	0.80	0.00	0.80	—	4,621	4,621	0.19	0.04	0.00	4,637
2026	0.94	10.2	6.36	7.65	0.01	0.21	0.00	0.21	0.20	0.00	0.20	—	1,259	1,259	0.05	0.01	0.00	1,264
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.64	0.54	4.53	5.02	0.01	0.19	0.04	0.23	0.18	0.01	0.18	—	813	813	0.03	0.01	0.00	816

2025	0.59	0.49	4.17	4.69	0.01	0.16	0.00	0.16	0.15	0.00	0.15	—	765	765	0.03	0.01	0.00	768
2026	0.17	1.87	1.16	1.40	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	—	208	208	0.01	< 0.005	0.00	209

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.65	3.04	24.0	28.3	0.05	1.04	—	1.04	0.96	—	0.96	—	4,881	4,881	0.20	0.04	—	4,898
Demolition	—	—	—	—	—	—	2.69	2.69	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.25	1.47	< 0.005	0.05	—	0.05	0.05	—	0.05	—	254	254	0.01	< 0.005	—	255
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.1	42.1	< 0.005	< 0.005	—	42.2

Demolitio	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.41	1.18	9.64	11.8	0.02	0.52	—	0.52	0.48	—	0.48	—	1,674	1,674	0.07	0.01	—	1,679
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.18	9.64	11.8	0.02	0.52	—	0.52	0.48	—	0.48	—	1,674	1,674	0.07	0.01	—	1,679
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.50	0.61	< 0.005	0.03	—	0.03	0.02	—	0.02	—	87.1	87.1	< 0.005	< 0.005	—	87.4
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	19.9	23.6	0.04	1.03	—	1.03	0.95	—	0.95	—	4,352	4,352	0.18	0.04	—	4,367
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.40	3.28	3.87	0.01	0.17	—	0.17	0.16	—	0.16	—	715	715	0.03	0.01	—	718
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.60	0.71	< 0.005	0.03	—	0.03	0.03	—	0.03	—	118	118	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.99	3.33	28.1	30.2	0.06	1.15	—	1.15	1.06	—	1.06	—	5,391	5,391	0.22	0.04	—	5,409
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.99	3.33	28.1	30.2	0.06	1.15	—	1.15	1.06	—	1.06	—	5,391	5,391	0.22	0.04	—	5,409
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.61	7.10	0.01	0.27	—	0.27	0.25	—	0.25	—	1,266	1,266	0.05	0.01	—	1,270
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.21	1.30	< 0.005	0.05	—	0.05	0.05	—	0.05	—	210	210	0.01	< 0.005	—	210
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.76	3.13	26.7	30.0	0.06	1.02	—	1.02	0.94	—	0.94	—	5,391	5,391	0.22	0.04	—	5,410
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.76	3.13	26.7	30.0	0.06	1.02	—	1.02	0.94	—	0.94	—	5,391	5,391	0.22	0.04	—	5,410
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	2.69	22.9	25.7	0.05	0.87	—	0.87	0.80	—	0.80	—	4,621	4,621	0.19	0.04	—	4,637

Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.17	4.69	0.01	0.16	—	0.16	0.15	—	0.15	—	765	765	0.03	0.01	—	768
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.60	3.00	25.6	29.8	0.06	0.92	—	0.92	0.84	—	0.84	—	5,389	5,389	0.22	0.04	—	5,408
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.86	5.66	0.01	0.17	—	0.17	0.16	—	0.16	—	1,025	1,025	0.04	0.01	—	1,029
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.89	1.03	< 0.005	0.03	—	0.03	0.03	—	0.03	—	170	170	0.01	< 0.005	—	170
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.13. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.47	5.39	46.9	49.6	0.10	1.89	—	1.89	1.74	—	1.74	—	9,153	9,153	0.37	0.07	—	9,185
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.38	1.15	10.0	10.6	0.02	0.40	—	0.40	0.37	—	0.37	—	1,956	1,956	0.08	0.02	—	1,963
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.83	1.93	< 0.005	0.07	—	0.07	0.07	—	0.07	—	324	324	0.01	< 0.005	—	325
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.15. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	2.25	20.5	26.0	0.05	0.87	—	0.87	0.80	—	0.80	—	4,664	4,664	0.19	0.04	—	4,680
Paving	—	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.57	2.00	< 0.005	0.07	—	0.07	0.06	—	0.06	—	358	358	0.01	< 0.005	—	359
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.2	59.2	< 0.005	< 0.005	—	59.4
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.17. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	4.57	6.04	0.01	0.12	—	0.12	0.11	—	0.11	—	712	712	0.03	0.01	—	714
Architectural Coatings	—	28.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	4.57	6.04	0.01	0.12	—	0.12	0.11	—	0.11	—	712	712	0.03	0.01	—	714
Architectural Coatings	—	28.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.21	1.50	1.99	< 0.005	0.04	—	0.04	0.04	—	0.04	—	234	234	0.01	< 0.005	—	235
Architectural Coatings	—	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.27	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.8	38.8	< 0.005	< 0.005	—	38.9
Architectural Coatings	—	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.19. Trenching (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.06	1.71	13.9	16.1	0.03	0.57	—	0.57	0.52	—	0.52	—	2,396	2,396	0.10	0.02	—	2,404
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.60	1.85	< 0.005	0.07	—	0.07	0.06	—	0.06	—	276	276	0.01	< 0.005	—	277
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.29	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.6	45.6	< 0.005	< 0.005	—	45.8
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2024	3/22/2024	6.00	19.0	—
Site Preparation	Site Preparation	3/23/2024	4/13/2024	6.00	19.0	—
Grading	Grading	4/14/2024	6/22/2024	6.00	60.0	—
Building Construction	Building Construction	9/23/2024	3/22/2026	6.00	468	—
Foundations	Building Construction	6/23/2024	9/22/2024	6.00	78.0	—
Paving	Paving	7/23/2024	8/23/2024	6.00	28.0	—
Architectural Coating	Architectural Coating	3/23/2026	8/9/2026	6.00	120	—
Trenching	Trenching	4/14/2024	6/1/2024	6.00	42.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Demolition	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Demolition	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Demolition	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Demolition	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	5.00	8.00	84.0	0.37
Demolition	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Site Preparation	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Site Preparation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Site Preparation	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	5.00	8.00	84.0	0.37
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	4.00	8.00	82.0	0.20

Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	2.00	8.00	16.0	0.38
Building Construction	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Foundations	Cranes	Diesel	Average	2.00	12.0	367	0.29
Foundations	Forklifts	Diesel	Average	2.00	12.0	82.0	0.20
Foundations	Generator Sets	Diesel	Average	4.00	12.0	14.0	0.74
Foundations	Tractors/Loaders/Backhoes	Diesel	Average	2.00	12.0	84.0	0.37
Foundations	Air Compressors	Diesel	Average	2.00	12.0	37.0	0.48
Foundations	Bore/Drill Rigs	Diesel	Average	3.00	12.0	83.0	0.50
Foundations	Cement and Mortar Mixers	Diesel	Average	3.00	12.0	10.0	0.56
Foundations	Concrete/Industrial Saws	Diesel	Average	2.00	12.0	33.0	0.73
Foundations	Dumpers/Tenders	Diesel	Average	4.00	12.0	16.0	0.38
Foundations	Pumps	Diesel	Average	3.00	12.0	11.0	0.74
Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	12.0	36.0	0.46
Paving	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	3.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38

Paving	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Paving	Surfacing Equipment	Diesel	Average	1.00	8.00	399	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Architectural Coating	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Trenching	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Trenching	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Trenching	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Trenching	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
Trenching	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Trenching	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT

Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

Foundations	—	—	—	—
Foundations	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundations	Vendor	0.00	10.2	HHDT,MHDT
Foundations	Hauling	0.00	20.0	HHDT
Foundations	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	0.00	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	551,418	183,806	7,952

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	3,700	—
Site Preparation	—	100	9.50	0.00	—
Grading	—	38,875	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	3.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
General Office Building	0.00	0%
Health Club	0.00	0%
Quality Restaurant	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Other Non-Asphalt Surfaces	0.00	0%
Recreational Swimming Pool	0.00	0%
Parking Lot	0.53	100%
Other Asphalt Surfaces	2.54	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01

2025	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat
Extreme Precipitation	7.30	annual days with precipitation above 20 mm

Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score

Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38
Toxic Releases	69.1

Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4
Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6
Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—
Bachelor's or higher	92.46759913

High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717
Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167
Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044
Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3
Asthma	88.8

Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2
Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5
No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0
Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.2

Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	see construction assumptions

Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	construction mobile emissions calculated outside of CalEEMod.
Construction: Architectural Coatings	see construction assumptions
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Hilton-GS-Con Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-GS-Con
Construction Start Date	3/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.10

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Enclosed Parking with Elevator	348	Space	0.43	63,426	0.00	—	—	—

General Office Building	3.40	1000sqft	0.07	3,400	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.27	1.89	16.2	18.8	0.03	0.59	0.02	0.59	0.54	< 0.005	0.54	—	3,243	3,243	0.13	0.03	0.00	3,254
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.71	4.14	18.6	21.8	0.04	0.67	5.40	5.94	0.62	0.82	1.31	—	3,599	3,599	0.15	0.03	0.00	3,611
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.44	1.34	10.1	11.9	0.02	0.38	0.17	0.54	0.35	0.03	0.37	—	2,128	2,128	0.09	0.02	0.00	2,135
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.26	0.24	1.84	2.16	< 0.005	0.07	0.03	0.10	0.06	< 0.005	0.07	—	352	352	0.01	< 0.005	0.00	354

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.27	1.89	16.2	18.8	0.03	0.59	0.02	0.59	0.54	< 0.005	0.54	—	3,243	3,243	0.13	0.03	0.00	3,254
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.71	4.14	18.6	21.8	0.04	0.67	5.40	5.94	0.62	0.82	1.31	—	3,599	3,599	0.15	0.03	0.00	3,611
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.44	1.34	10.1	11.9	0.02	0.38	0.17	0.54	0.35	0.03	0.37	—	2,128	2,128	0.09	0.02	0.00	2,135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.26	0.24	1.84	2.16	< 0.005	0.07	0.03	0.10	0.06	< 0.005	0.07	—	352	352	0.01	< 0.005	0.00	354

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.21	1.84	14.0	17.1	0.03	0.53	—	0.53	0.49	—	0.49	—	3,276	3,276	0.13	0.03	—	3,287
Demolition	—	—	—	—	—	—	5.40	5.40	—	0.82	0.82	—	—	—	—	—	—	—
Onsite truck	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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.42	0.52	< 0.005	0.02	—	0.02	0.01	—	0.01	—	98.7	98.7	< 0.005	< 0.005	—	99.1
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	10.9	13.4	0.03	0.44	—	0.44	0.40	—	0.40	—	2,917	2,917	0.12	0.02	—	2,927
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	10.9	13.4	0.03	0.44	—	0.44	0.40	—	0.40	—	2,917	2,917	0.12	0.02	—	2,927
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.52	1.87	< 0.005	0.06	—	0.06	0.06	—	0.06	—	408	408	0.02	< 0.005	—	409

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	67.5	67.5	< 0.005	< 0.005	—	67.7
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.27	1.89	16.2	18.8	0.03	0.59	—	0.59	0.54	—	0.54	—	3,243	3,243	0.13	0.03	—	3,254
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.27	1.89	16.2	18.8	0.03	0.59	—	0.59	0.54	—	0.54	—	3,243	3,243	0.13	0.03	—	3,254
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.74	6.39	7.41	0.01	0.23	—	0.23	0.21	—	0.21	—	1,279	1,279	0.05	0.01	—	1,284
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.17	1.35	< 0.005	0.04	—	0.04	0.04	—	0.04	—	212	212	0.01	< 0.005	—	213

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.70	14.8	16.7	0.03	0.55	—	0.55	0.51	—	0.51	—	3,022	3,022	0.12	0.02	—	3,032
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.22	1.37	< 0.005	0.05	—	0.05	0.04	—	0.04	—	248	248	0.01	< 0.005	—	249
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.1	41.1	< 0.005	< 0.005	—	41.3
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	1.20	10.1	13.4	0.02	0.42	—	0.42	0.39	—	0.39	—	1,932	1,932	0.08	0.02	—	1,938
Paving	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.36	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.8	68.8	< 0.005	< 0.005	—	69.0
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.36	2.42	3.06	< 0.005	0.08	—	0.08	0.08	—	0.08	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.17	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.4	25.4	< 0.005	< 0.005	—	25.5
Architectural Coatings	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.20	4.20	< 0.005	< 0.005	—	4.21
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2024	3/13/2024	6.00	11.0	—
Grading	Grading	3/14/2024	5/11/2024	6.00	51.0	—
Building Construction	Building Construction	6/17/2024	12/1/2024	6.00	144	—
Foundations	Building Construction	5/12/2024	6/16/2024	6.00	30.0	—
Paving	Paving	12/2/2024	12/16/2024	6.00	13.0	—
Architectural Coating	Architectural Coating	11/1/2024	12/1/2024	6.00	26.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Foundations	Cranes	Diesel	Average	1.00	8.00	367	0.29

Demolition	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Demolition	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Grading	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Foundations	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Foundations	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Building Construction	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Construction	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Foundations	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Foundations	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Foundations	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundations	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
Foundations	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Paving	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2

Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Foundations	—	—	—	—
Foundations	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundations	Vendor	0.00	10.2	HHDT,MHDT
Foundations	Hauling	0.00	20.0	HHDT
Foundations	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	5,100	1,700	3,806

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	4,300	—
Grading	—	48,125	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	0.43

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.43	100%
General Office Building	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat
Extreme Precipitation	7.30	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38
Toxic Releases	69.1
Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4

Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6
Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—
Bachelor's or higher	92.46759913
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717

Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167
Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044
Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3
Asthma	88.8
Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2

Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5
No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0
Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.2
Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—

2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	see construction assumptions
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	construction mobile emissions calculated outside of CalEEMod.
Construction: Architectural Coatings	see construction assumptions

Hilton-Hotel-Con-Mit Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-Hotel-Con-Mit
Construction Start Date	3/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.12

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Hotel	395	Room	0.25	198,268	0.00	—	—	—

General Office Building	85.1	1000sqft	0.14	85,112	0.00	—	—	—
Health Club	11.3	1000sqft	0.01	11,296	0.00	—	—	—
Quality Restaurant	7.23	1000sqft	0.01	7,232	0.00	—	—	—
High Turnover (Sit Down Restaurant)	9.54	1000sqft	0.01	9,535	0.00	—	—	—
Other Non-Asphalt Surfaces	56.2	1000sqft	0.94	56,169	31,240	—	—	—
Recreational Swimming Pool	4.62	1000sqft	0.01	4,618	0.00	—	—	—
Parking Lot	23.2	1000sqft	0.53	23,216	0.00	—	—	—
Other Asphalt Surfaces	109	1000sqft	2.54	109,309	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.16	29.4	67.4	75.6	0.14	2.76	0.43	2.76	2.54	0.05	2.54	—	13,817	13,817	0.56	0.11	0.00	13,864
Mit.	5.83	29.4	36.3	87.2	0.14	1.34	0.43	1.34	1.25	0.05	1.25	—	13,817	13,817	0.56	0.11	0.00	13,864

% Reduced	36%	—	46%	-15%	—	51%	—	51%	51%	—	51%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.99	29.4	28.1	30.2	0.06	1.15	2.69	3.73	1.06	0.41	1.36	—	5,391	5,391	0.22	0.04	0.00	5,410
Mit.	2.64	29.4	16.5	34.2	0.06	0.57	2.69	3.20	0.53	0.41	0.88	—	5,391	5,391	0.22	0.04	0.00	5,410
% Reduced	34%	—	41%	-13%	—	50%	—	14%	49%	—	36%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.50	10.2	24.8	27.5	0.05	1.06	0.22	1.28	0.97	0.03	1.00	—	4,912	4,912	0.20	0.04	0.00	4,929
Mit.	2.18	10.0	13.9	31.2	0.05	0.50	0.22	0.72	0.46	0.03	0.49	—	4,912	4,912	0.20	0.04	0.00	4,929
% Reduced	38%	2%	44%	-14%	—	53%	—	44%	53%	—	51%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.64	1.87	4.53	5.02	0.01	0.19	0.04	0.23	0.18	0.01	0.18	—	813	813	0.03	0.01	0.00	816
Mit.	0.40	1.83	2.53	5.70	0.01	0.09	0.04	0.13	0.08	0.01	0.09	—	813	813	0.03	0.01	0.00	816
% Reduced	38%	2%	44%	-14%	—	53%	—	44%	53%	—	51%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	9.16	7.93	67.4	75.6	0.14	2.76	0.43	2.76	2.54	0.05	2.54	—	13,817	13,817	0.56	0.11	0.00	13,864
2025	3.76	3.13	26.7	30.0	0.06	1.02	0.00	1.02	0.94	0.00	0.94	—	5,391	5,391	0.22	0.04	0.00	5,410

2026	0.78	29.4	4.57	6.04	0.01	0.12	0.00	0.12	0.11	0.00	0.11	—	712	712	0.03	0.01	0.00	714
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.99	3.33	28.1	30.2	0.06	1.15	2.69	3.73	1.06	0.41	1.36	—	5,391	5,391	0.22	0.04	0.00	5,409
2025	3.76	3.13	26.7	30.0	0.06	1.02	0.00	1.02	0.94	0.00	0.94	—	5,391	5,391	0.22	0.04	0.00	5,410
2026	3.60	29.4	25.6	29.8	0.06	0.92	0.00	0.92	0.84	0.00	0.84	—	5,389	5,389	0.22	0.04	0.00	5,408
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.50	2.94	24.8	27.5	0.05	1.06	0.22	1.28	0.97	0.03	1.00	—	4,912	4,912	0.20	0.04	0.00	4,929
2025	3.22	2.69	22.9	25.7	0.05	0.87	0.00	0.87	0.80	0.00	0.80	—	4,621	4,621	0.19	0.04	0.00	4,637
2026	0.94	10.2	6.36	7.65	0.01	0.21	0.00	0.21	0.20	0.00	0.20	—	1,259	1,259	0.05	0.01	0.00	1,264
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.64	0.54	4.53	5.02	0.01	0.19	0.04	0.23	0.18	0.01	0.18	—	813	813	0.03	0.01	0.00	816
2025	0.59	0.49	4.17	4.69	0.01	0.16	0.00	0.16	0.15	0.00	0.15	—	765	765	0.03	0.01	0.00	768
2026	0.17	1.87	1.16	1.40	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	—	208	208	0.01	< 0.005	0.00	209

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.83	5.28	36.3	87.2	0.14	1.34	0.43	1.34	1.25	0.05	1.25	—	13,817	13,817	0.56	0.11	0.00	13,864
2025	2.50	2.13	16.2	34.1	0.06	0.52	0.00	0.52	0.48	0.00	0.48	—	5,391	5,391	0.22	0.04	0.00	5,410
2026	0.78	29.4	4.57	6.04	0.01	0.12	0.00	0.12	0.11	0.00	0.11	—	712	712	0.03	0.01	0.00	714
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.64	2.24	16.5	34.2	0.06	0.57	2.69	3.20	0.53	0.41	0.88	—	5,391	5,391	0.22	0.04	0.00	5,409

2025	2.50	2.13	16.2	34.1	0.06	0.52	0.00	0.52	0.48	0.00	0.48	—	5,391	5,391	0.22	0.04	0.00	5,410
2026	2.41	29.4	15.9	34.0	0.06	0.48	0.00	0.48	0.44	0.00	0.44	—	5,389	5,389	0.22	0.04	0.00	5,408
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.18	1.89	13.4	31.2	0.05	0.50	0.22	0.72	0.46	0.03	0.49	—	4,912	4,912	0.20	0.04	0.00	4,929
2025	2.14	1.82	13.9	29.2	0.05	0.45	0.00	0.45	0.41	0.00	0.41	—	4,621	4,621	0.19	0.04	0.00	4,637
2026	0.71	10.0	4.52	8.45	0.01	0.13	0.00	0.13	0.12	0.00	0.12	—	1,259	1,259	0.05	0.01	0.00	1,264
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.40	0.34	2.44	5.70	0.01	0.09	0.04	0.13	0.08	0.01	0.09	—	813	813	0.03	0.01	0.00	816
2025	0.39	0.33	2.53	5.33	0.01	0.08	0.00	0.08	0.08	0.00	0.08	—	765	765	0.03	0.01	0.00	768
2026	0.13	1.83	0.83	1.54	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	—	208	208	0.01	< 0.005	0.00	209

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.65	3.04	24.0	28.3	0.05	1.04	—	1.04	0.96	—	0.96	—	4,881	4,881	0.20	0.04	—	4,898
Demolition	—	—	—	—	—	—	2.69	2.69	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.25	1.47	< 0.005	0.05	—	0.05	0.05	—	0.05	—	254	254	0.01	< 0.005	—	255
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.1	42.1	< 0.005	< 0.005	—	42.2
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.30	1.96	13.5	32.3	0.05	0.50	—	0.50	0.47	—	0.47	—	4,881	4,881	0.20	0.04	—	4,898
Demolition	—	—	—	—	—	—	2.69	2.69	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.70	1.68	< 0.005	0.03	—	0.03	0.02	—	0.02	—	254	254	0.01	< 0.005	—	255
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.1	42.1	< 0.005	< 0.005	—	42.2
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.41	1.18	9.64	11.8	0.02	0.52	—	0.52	0.48	—	0.48	—	1,674	1,674	0.07	0.01	—	1,679
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.18	9.64	11.8	0.02	0.52	—	0.52	0.48	—	0.48	—	1,674	1,674	0.07	0.01	—	1,679
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.50	0.61	< 0.005	0.03	—	0.03	0.02	—	0.02	—	87.1	87.1	< 0.005	< 0.005	—	87.4
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.4. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.61	3.80	12.0	0.02	0.17	—	0.17	0.16	—	0.16	—	1,674	1,674	0.07	0.01	—	1,679
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.61	3.80	12.0	0.02	0.17	—	0.17	0.16	—	0.16	—	1,674	1,674	0.07	0.01	—	1,679
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.20	0.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.1	87.1	< 0.005	< 0.005	—	87.4
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	19.9	23.6	0.04	1.03	—	1.03	0.95	—	0.95	—	4,352	4,352	0.18	0.04	—	4,367
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.40	3.28	3.87	0.01	0.17	—	0.17	0.16	—	0.16	—	715	715	0.03	0.01	—	718
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.60	0.71	< 0.005	0.03	—	0.03	0.03	—	0.03	—	118	118	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.6. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.13	1.00	7.24	27.7	0.04	0.27	—	0.27	0.25	—	0.25	—	4,352	4,352	0.18	0.04	—	4,367
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.17	1.19	4.56	0.01	0.04	—	0.04	0.04	—	0.04	—	715	715	0.03	0.01	—	718
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	0.83	< 0.005	0.01	—	0.01	0.01	—	0.01	—	118	118	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.99	3.33	28.1	30.2	0.06	1.15	—	1.15	1.06	—	1.06	—	5,391	5,391	0.22	0.04	—	5,409
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.99	3.33	28.1	30.2	0.06	1.15	—	1.15	1.06	—	1.06	—	5,391	5,391	0.22	0.04	—	5,409

Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.61	7.10	0.01	0.27	—	0.27	0.25	—	0.25	—	1,266	1,266	0.05	0.01	—	1,270
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.21	1.30	< 0.005	0.05	—	0.05	0.05	—	0.05	—	210	210	0.01	< 0.005	—	210
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.24	16.5	34.2	0.06	0.57	—	0.57	0.53	—	0.53	—	5,391	5,391	0.22	0.04	—	5,409
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.64	2.24	16.5	34.2	0.06	0.57	—	0.57	0.53	—	0.53	—	5,391	5,391	0.22	0.04	—	5,409
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	0.53	3.87	8.03	0.01	0.13	—	0.13	0.13	—	0.13	—	1,266	1,266	0.05	0.01	—	1,270
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.71	1.47	< 0.005	0.02	—	0.02	0.02	—	0.02	—	210	210	0.01	< 0.005	—	210

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.76	3.13	26.7	30.0	0.06	1.02	—	1.02	0.94	—	0.94	—	5,391	5,391	0.22	0.04	—	5,410
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.76	3.13	26.7	30.0	0.06	1.02	—	1.02	0.94	—	0.94	—	5,391	5,391	0.22	0.04	—	5,410
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	2.69	22.9	25.7	0.05	0.87	—	0.87	0.80	—	0.80	—	4,621	4,621	0.19	0.04	—	4,637
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.17	4.69	0.01	0.16	—	0.16	0.15	—	0.15	—	765	765	0.03	0.01	—	768
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.10. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.50	2.13	16.2	34.1	0.06	0.52	—	0.52	0.48	—	0.48	—	5,391	5,391	0.22	0.04	—	5,410
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.50	2.13	16.2	34.1	0.06	0.52	—	0.52	0.48	—	0.48	—	5,391	5,391	0.22	0.04	—	5,410
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	1.82	13.9	29.2	0.05	0.45	—	0.45	0.41	—	0.41	—	4,621	4,621	0.19	0.04	—	4,637
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	2.53	5.33	0.01	0.08	—	0.08	0.08	—	0.08	—	765	765	0.03	0.01	—	768
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00

Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.60	3.00	25.6	29.8	0.06	0.92	—	0.92	0.84	—	0.84	—	5,389	5,389	0.22	0.04	—	5,408
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.86	5.66	0.01	0.17	—	0.17	0.16	—	0.16	—	1,025	1,025	0.04	0.01	—	1,029
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.89	1.03	< 0.005	0.03	—	0.03	0.03	—	0.03	—	170	170	0.01	< 0.005	—	170
Onsite truck	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	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.12. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.41	2.05	15.9	34.0	0.06	0.48	—	0.48	0.44	—	0.44	—	5,389	5,389	0.22	0.04	—	5,408
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.02	6.46	0.01	0.09	—	0.09	0.08	—	0.08	—	1,025	1,025	0.04	0.01	—	1,029
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	1.18	< 0.005	0.02	—	0.02	0.02	—	0.02	—	170	170	0.01	< 0.005	—	170
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00

3.13. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.47	5.39	46.9	49.6	0.10	1.89	—	1.89	1.74	—	1.74	—	9,153	9,153	0.37	0.07	—	9,185
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38	1.15	10.0	10.6	0.02	0.40	—	0.40	0.37	—	0.37	—	1,956	1,956	0.08	0.02	—	1,963
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.83	1.93	< 0.005	0.07	—	0.07	0.07	—	0.07	—	324	324	0.01	< 0.005	—	325
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.14. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.27	3.63	25.5	56.6	0.10	0.99	—	0.99	0.92	—	0.92	—	9,153	9,153	0.37	0.07	—	9,185
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.78	5.44	12.1	0.02	0.21	—	0.21	0.20	—	0.20	—	1,956	1,956	0.08	0.02	—	1,963
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.99	2.21	< 0.005	0.04	—	0.04	0.04	—	0.04	—	324	324	0.01	< 0.005	—	325
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.15. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	2.25	20.5	26.0	0.05	0.87	—	0.87	0.80	—	0.80	—	4,664	4,664	0.19	0.04	—	4,680
Paving	—	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.57	2.00	< 0.005	0.07	—	0.07	0.06	—	0.06	—	358	358	0.01	< 0.005	—	359
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.2	59.2	< 0.005	< 0.005	—	59.4
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.16. Paving (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.57	1.37	10.9	30.6	0.05	0.35	—	0.35	0.33	—	0.33	—	4,664	4,664	0.19	0.04	—	4,680
Paving	—	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.83	2.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	358	358	0.01	< 0.005	—	359
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.2	59.2	< 0.005	< 0.005	—	59.4
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.17. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	4.57	6.04	0.01	0.12	—	0.12	0.11	—	0.11	—	712	712	0.03	0.01	—	714
Architectural Coatings	—	28.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	4.57	6.04	0.01	0.12	—	0.12	0.11	—	0.11	—	712	712	0.03	0.01	—	714
Architectural Coatings	—	28.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.21	1.50	1.99	< 0.005	0.04	—	0.04	0.04	—	0.04	—	234	234	0.01	< 0.005	—	235

Architect Coatings	—	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.27	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.8	38.8	< 0.005	< 0.005	—	38.9
Architectural Coatings	—	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00

3.18. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	4.57	6.04	0.01	0.12	—	0.12	0.11	—	0.11	—	712	712	0.03	0.01	—	714
Architectural Coatings	—	28.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	4.57	6.04	0.01	0.12	—	0.12	0.11	—	0.11	—	712	712	0.03	0.01	—	714
Architectural Coatings	—	28.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.21	1.50	1.99	< 0.005	0.04	—	0.04	0.04	—	0.04	—	234	234	0.01	< 0.005	—	235

Architectural Coatings	—	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.27	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.8	38.8	< 0.005	< 0.005	—	38.9
Architectural Coatings	—	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.19. Trenching (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.06	1.71	13.9	16.1	0.03	0.57	—	0.57	0.52	—	0.52	—	2,396	2,396	0.10	0.02	—	2,404
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.60	1.85	< 0.005	0.07	—	0.07	0.06	—	0.06	—	276	276	0.01	< 0.005	—	277
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.29	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.6	45.6	< 0.005	< 0.005	—	45.8
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.20. Trenching (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63	1.37	10.0	16.5	0.03	0.38	—	0.38	0.35	—	0.35	—	2,396	2,396	0.10	0.02	—	2,404
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.15	1.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	276	276	0.01	< 0.005	—	277
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.21	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.6	45.6	< 0.005	< 0.005	—	45.8
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00

Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2024	3/22/2024	6.00	19.0	—
Site Preparation	Site Preparation	3/23/2024	4/13/2024	6.00	19.0	—

Grading	Grading	4/14/2024	6/22/2024	6.00	60.0	—
Building Construction	Building Construction	9/23/2024	3/22/2026	6.00	468	—
Foundations	Building Construction	6/23/2024	9/22/2024	6.00	78.0	—
Paving	Paving	7/23/2024	8/23/2024	6.00	28.0	—
Architectural Coating	Architectural Coating	3/23/2026	8/9/2026	6.00	120	—
Trenching	Trenching	4/14/2024	6/1/2024	6.00	42.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Demolition	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Demolition	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Demolition	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Demolition	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	5.00	8.00	84.0	0.37
Demolition	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Site Preparation	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Site Preparation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Site Preparation	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	5.00	8.00	84.0	0.37

Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	4.00	8.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	2.00	8.00	16.0	0.38
Building Construction	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Foundations	Cranes	Diesel	Average	2.00	12.0	367	0.29
Foundations	Forklifts	Diesel	Average	2.00	12.0	82.0	0.20
Foundations	Generator Sets	Diesel	Average	4.00	12.0	14.0	0.74
Foundations	Tractors/Loaders/Backhoes	Diesel	Average	2.00	12.0	84.0	0.37
Foundations	Air Compressors	Diesel	Average	2.00	12.0	37.0	0.48
Foundations	Bore/Drill Rigs	Diesel	Average	3.00	12.0	83.0	0.50
Foundations	Cement and Mortar Mixers	Diesel	Average	3.00	12.0	10.0	0.56

Foundations	Concrete/Industrial Saws	Diesel	Average	2.00	12.0	33.0	0.73
Foundations	Dumpers/Tenders	Diesel	Average	4.00	12.0	16.0	0.38
Foundations	Pumps	Diesel	Average	3.00	12.0	11.0	0.74
Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	12.0	36.0	0.46
Paving	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	3.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Paving	Surfacing Equipment	Diesel	Average	1.00	8.00	399	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Architectural Coating	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Trenching	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Trenching	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Trenching	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Trenching	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
Trenching	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Trenching	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74

Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Demolition	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Demolition	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Demolition	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Demolition	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	5.00	8.00	84.0	0.37
Demolition	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	376	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Site Preparation	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	1.00	8.00	87.0	0.43
Site Preparation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Site Preparation	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	5.00	8.00	84.0	0.37
Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00	8.00	87.0	0.43
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	376	0.38

Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	4.00	8.00	82.0	0.20
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	2.00	8.00	16.0	0.38
Building Construction	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Foundations	Cranes	Diesel	Tier 4 Final	2.00	12.0	367	0.29
Foundations	Forklifts	Diesel	Tier 4 Final	2.00	12.0	82.0	0.20
Foundations	Generator Sets	Diesel	Average	4.00	12.0	14.0	0.74
Foundations	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	12.0	84.0	0.37
Foundations	Air Compressors	Diesel	Average	2.00	12.0	37.0	0.48
Foundations	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	12.0	83.0	0.50
Foundations	Cement and Mortar Mixers	Diesel	Average	3.00	12.0	10.0	0.56
Foundations	Concrete/Industrial Saws	Diesel	Average	2.00	12.0	33.0	0.73
Foundations	Dumpers/Tenders	Diesel	Average	4.00	12.0	16.0	0.38
Foundations	Pumps	Diesel	Average	3.00	12.0	11.0	0.74
Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	12.0	36.0	0.46
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	3.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Paving	Surfacing Equipment	Diesel	Tier 4 Final	1.00	8.00	399	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Architectural Coating	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Trenching	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Trenching	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Trenching	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Trenching	Forklifts	Diesel	Tier 4 Final	1.00	8.00	82.0	0.20
Trenching	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Trenching	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Trenching	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—

Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT

Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Foundations	—	—	—	—
Foundations	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundations	Vendor	0.00	10.2	HHDT,MHDT
Foundations	Hauling	0.00	20.0	HHDT
Foundations	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	0.00	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2

Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Foundations	—	—	—	—
Foundations	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundations	Vendor	0.00	10.2	HHDT,MHDT
Foundations	Hauling	0.00	20.0	HHDT
Foundations	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	0.00	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT

Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	551,418	183,806	7,952

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	3,700	—
Site Preparation	—	100	9.50	0.00	—
Grading	—	38,875	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	3.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
General Office Building	0.00	0%
Health Club	0.00	0%
Quality Restaurant	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Other Non-Asphalt Surfaces	0.00	0%
Recreational Swimming Pool	0.00	0%
Parking Lot	0.53	100%
Other Asphalt Surfaces	2.54	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01
2025	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat

Extreme Precipitation	7.30	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38

Toxic Releases	69.1
Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4
Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6
Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—

Bachelor's or higher	92.46759913
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717
Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167
Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044
Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3

Asthma	88.8
Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2
Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5
No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0
Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	88.2
Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Characteristics: Project Details	see construction assumptions
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	construction mobile emissions calculated outside of CalEEMod.
Construction: Architectural Coatings	see construction assumptions
Construction: Paving	see construction assumptions

Hilton-GS-Con-Mit Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-GS-Con-Mit
Construction Start Date	3/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.10

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Enclosed Parking with Elevator	348	Space	0.43	63,426	0.00	—	—	—

General Office Building	3.40	1000sqft	0.07	3,400	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.27	1.89	16.2	18.8	0.03	0.59	0.02	0.59	0.54	< 0.005	0.54	—	3,243	3,243	0.13	0.03	0.00	3,254
Mit.	1.72	1.46	11.0	21.4	0.03	0.38	0.02	0.38	0.35	< 0.005	0.35	—	3,243	3,243	0.13	0.03	0.00	3,254
% Reduced	24%	23%	32%	-14%	—	36%	—	36%	35%	—	35%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.71	4.14	18.6	21.8	0.04	0.67	5.40	5.94	0.62	0.82	1.31	—	3,599	3,599	0.15	0.03	0.00	3,611
Mit.	2.16	3.72	13.4	24.4	0.04	0.46	5.40	5.73	0.43	0.82	1.12	—	3,599	3,599	0.15	0.03	0.00	3,611
% Reduced	20%	10%	28%	-12%	—	31%	—	3%	31%	—	14%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.44	1.34	10.1	11.9	0.02	0.38	0.17	0.54	0.35	0.03	0.37	—	2,128	2,128	0.09	0.02	0.00	2,135

Mit.	1.04	1.02	6.57	13.8	0.02	0.23	0.17	0.40	0.21	0.03	0.24	—	2,128	2,128	0.09	0.02	0.00	2,135
% Reduced	28%	23%	35%	-17%	—	38%	—	27%	38%	—	35%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.26	0.24	1.84	2.16	< 0.005	0.07	0.03	0.10	0.06	< 0.005	0.07	—	352	352	0.01	< 0.005	0.00	354
Mit.	0.19	0.19	1.20	2.52	< 0.005	0.04	0.03	0.07	0.04	< 0.005	0.04	—	352	352	0.01	< 0.005	0.00	354
% Reduced	28%	23%	35%	-17%	—	38%	—	27%	38%	—	35%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.27	1.89	16.2	18.8	0.03	0.59	0.02	0.59	0.54	< 0.005	0.54	—	3,243	3,243	0.13	0.03	0.00	3,254
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.71	4.14	18.6	21.8	0.04	0.67	5.40	5.94	0.62	0.82	1.31	—	3,599	3,599	0.15	0.03	0.00	3,611
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.44	1.34	10.1	11.9	0.02	0.38	0.17	0.54	0.35	0.03	0.37	—	2,128	2,128	0.09	0.02	0.00	2,135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.26	0.24	1.84	2.16	< 0.005	0.07	0.03	0.10	0.06	< 0.005	0.07	—	352	352	0.01	< 0.005	0.00	354

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.72	1.46	11.0	21.4	0.03	0.38	0.02	0.38	0.35	< 0.005	0.35	—	3,243	3,243	0.13	0.03	0.00	3,254
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.16	3.72	13.4	24.4	0.04	0.46	5.40	5.73	0.43	0.82	1.12	—	3,599	3,599	0.15	0.03	0.00	3,611
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.04	1.02	6.57	13.8	0.02	0.23	0.17	0.40	0.21	0.03	0.24	—	2,128	2,128	0.09	0.02	0.00	2,135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.19	0.19	1.20	2.52	< 0.005	0.04	0.03	0.07	0.04	< 0.005	0.04	—	352	352	0.01	< 0.005	0.00	354

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.21	1.84	14.0	17.1	0.03	0.53	—	0.53	0.49	—	0.49	—	3,276	3,276	0.13	0.03	—	3,287
Demolition	—	—	—	—	—	—	5.40	5.40	—	0.82	0.82	—	—	—	—	—	—	—
Onsite truck	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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.42	0.52	< 0.005	0.02	—	0.02	0.01	—	0.01	—	98.7	98.7	< 0.005	< 0.005	—	99.1
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.53	1.30	9.80	21.1	0.03	0.33	—	0.33	0.30	—	0.30	—	3,276	3,276	0.13	0.03	—	3,287
Demolition	—	—	—	—	—	—	5.40	5.40	—	0.82	0.82	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.30	0.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	98.7	98.7	< 0.005	< 0.005	—	99.1
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.62	1.36	10.9	13.4	0.03	0.44	—	0.44	0.40	—	0.40	—	2,917	2,917	0.12	0.02	—	2,927
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	10.9	13.4	0.03	0.44	—	0.44	0.40	—	0.40	—	2,917	2,917	0.12	0.02	—	2,927
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.52	1.87	< 0.005	0.06	—	0.06	0.06	—	0.06	—	408	408	0.02	< 0.005	—	409
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	67.5	67.5	< 0.005	< 0.005	—	67.7
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.4. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.87	0.76	4.89	17.6	0.03	0.21	—	0.21	0.20	—	0.20	—	2,917	2,917	0.12	0.02	—	2,927
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.87	0.76	4.89	17.6	0.03	0.21	—	0.21	0.20	—	0.20	—	2,917	2,917	0.12	0.02	—	2,927
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.11	0.68	2.46	< 0.005	0.03	—	0.03	0.03	—	0.03	—	408	408	0.02	< 0.005	—	409
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	67.5	67.5	< 0.005	< 0.005	—	67.7

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.27	1.89	16.2	18.8	0.03	0.59	—	0.59	0.54	—	0.54	—	3,243	3,243	0.13	0.03	—	3,254
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.27	1.89	16.2	18.8	0.03	0.59	—	0.59	0.54	—	0.54	—	3,243	3,243	0.13	0.03	—	3,254
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.74	6.39	7.41	0.01	0.23	—	0.23	0.21	—	0.21	—	1,279	1,279	0.05	0.01	—	1,284
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.17	1.35	< 0.005	0.04	—	0.04	0.04	—	0.04	—	212	212	0.01	< 0.005	—	213
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.6. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.72	1.46	11.0	21.4	0.03	0.38	—	0.38	0.35	—	0.35	—	3,243	3,243	0.13	0.03	—	3,254
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.72	1.46	11.0	21.4	0.03	0.38	—	0.38	0.35	—	0.35	—	3,243	3,243	0.13	0.03	—	3,254
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.58	4.33	8.42	0.01	0.15	—	0.15	0.14	—	0.14	—	1,279	1,279	0.05	0.01	—	1,284
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.11	0.79	1.54	< 0.005	0.03	—	0.03	0.03	—	0.03	—	212	212	0.01	< 0.005	—	213
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.70	14.8	16.7	0.03	0.55	—	0.55	0.51	—	0.51	—	3,022	3,022	0.12	0.02	—	3,032
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.22	1.37	< 0.005	0.05	—	0.05	0.04	—	0.04	—	248	248	0.01	< 0.005	—	249
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.1	41.1	< 0.005	< 0.005	—	41.3

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.50	1.28	9.62	19.3	0.03	0.35	—	0.35	0.32	—	0.32	—	3,022	3,022	0.12	0.02	—	3,032
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.58	< 0.005	0.03	—	0.03	0.03	—	0.03	—	248	248	0.01	< 0.005	—	249
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.29	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	41.1	41.1	< 0.005	< 0.005	—	41.3
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	1.20	10.1	13.4	0.02	0.42	—	0.42	0.39	—	0.39	—	1,932	1,932	0.08	0.02	—	1,938
Paving	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.36	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.8	68.8	< 0.005	< 0.005	—	69.0
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.10. Paving (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.94	8.38	14.1	0.02	0.25	—	0.25	0.23	—	0.23	—	1,932	1,932	0.08	0.02	—	1,938
Paving	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.50	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.8	68.8	< 0.005	< 0.005	—	69.0
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.36	2.42	3.06	< 0.005	0.08	—	0.08	0.08	—	0.08	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.17	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.4	25.4	< 0.005	< 0.005	—	25.5
Architectural Coatings	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.20	4.20	< 0.005	< 0.005	—	4.21
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.12. Architectural Coating (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.36	2.42	3.06	< 0.005	0.08	—	0.08	0.08	—	0.08	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.17	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.4	25.4	< 0.005	< 0.005	—	25.5
Architectural Coatings	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.20	4.20	< 0.005	< 0.005	—	4.21
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2024	3/13/2024	6.00	11.0	—
Grading	Grading	3/14/2024	5/11/2024	6.00	51.0	—
Building Construction	Building Construction	6/17/2024	12/1/2024	6.00	144	—
Foundations	Building Construction	5/12/2024	6/16/2024	6.00	30.0	—
Paving	Paving	12/2/2024	12/16/2024	6.00	13.0	—
Architectural Coating	Architectural Coating	11/1/2024	12/1/2024	6.00	26.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Foundations	Cranes	Diesel	Average	1.00	8.00	367	0.29
Demolition	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Demolition	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Grading	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Foundations	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Foundations	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Building Construction	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Construction	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40

Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Foundations	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Foundations	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Foundations	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundations	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
Foundations	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Paving	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Paving	Pavers	Diesel	Tier 4 Final	1.00	8.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Foundations	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29

Demolition	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Demolition	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Demolition	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	376	0.38
Grading	Bore/Drill Rigs	Diesel	Tier 4 Final	2.00	8.00	83.0	0.50
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Off-Highway Trucks	Diesel	Tier 4 Final	1.00	8.00	376	0.38
Foundations	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Foundations	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Building Construction	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Construction	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Foundations	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Foundations	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Foundations	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundations	Rough Terrain Forklifts	Diesel	Tier 4 Final	2.00	8.00	96.0	0.40
Foundations	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37

Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Paving	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Skid Steer Loaders	Diesel	Tier 4 Final	2.00	8.00	71.0	0.37
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2

Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Foundations	—	—	—	—
Foundations	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundations	Vendor	0.00	10.2	HHDT,MHDT
Foundations	Hauling	0.00	20.0	HHDT
Foundations	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—

Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Foundations	—	—	—	—
Foundations	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundations	Vendor	0.00	10.2	HHDT,MHDT
Foundations	Hauling	0.00	20.0	HHDT
Foundations	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	5,100	1,700	3,806

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	4,300	—
Grading	—	48,125	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	0.43

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.43	100%
General Office Building	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat
Extreme Precipitation	7.30	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract

Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38
Toxic Releases	69.1
Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4
Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6
Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—
Bachelor's or higher	92.46759913
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717
Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167
Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044

Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3
Asthma	88.8
Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2
Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5
No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0

Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.2
Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	see construction assumptions
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	construction mobile emissions calculated outside of CalEEMod.
Construction: Architectural Coatings	see construction assumptions

Hilton - Hotel Site

Total Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	(MT/yr) Total CO2e	
Demolition	2024																
Total Haul Trips	772																
Hauling	42	19	8	30	15	0.15	6.35	3.12	0.04	1.16	0.07	1.23	0.31	0.07	0.37	40.14	
Vendor	0	19	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	19	8	18.5	0	0.14	0.16	2.05	0.00	0.52	0.00	0.52	0.13	0.00	0.13	4.37	
					Total	0.28	6.50	5.17	0.05	1.68	0.07	1.75	0.44	0.07	0.51		44.50
Site Preparation	2024																
Total Haul Trips	18																
Hauling	2	9	8	30	15	0.01	0.30	0.15	0.00	0.06	0.00	0.06	0.01	0.00	0.02	0.94	
Vendor	0	19	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	20	19	8	18.5	0	0.07	0.08	1.02	0.00	0.26	0.00	0.26	0.06	0.00	0.07	2.18	
					Total	0.07	0.38	1.17	0.00	0.31	0.00	0.32	0.08	0.00	0.08		3.12
Grading	2024																
Total Haul Trips	5,184																
Hauling	200	26	8	30	15	0.69	30.22	14.83	0.20	5.52	0.32	5.85	1.47	0.31	1.78	270.26	
Vendor	0	60	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	60	8	18.5	0	0.14	0.16	2.05	0.00	0.52	0.00	0.52	0.13	0.00	0.13	13.79	
					Total	0.83	30.37	16.88	0.20	6.04	0.33	6.37	1.60	0.31	1.91		284.05
Trenching	2024																
Total Haul Trips	0																
Hauling	0	42	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	42	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	16	42	8	18.5	0	0.05	0.06	0.82	0.00	0.21	0.00	0.21	0.05	0.00	0.05	3.86	
					Total	0.05	0.06	0.82	0.00	0.21	0.00	0.21	0.05	0.00	0.05		3.86
Foundations	2024																
Total Haul Trips	378																
Hauling	200	2	12	20	15	0.63	22.56	12.48	0.14	3.68	0.22	3.90	0.98	0.21	1.19	13.59	
Vendor	0	2	12	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	96	2	12	18.5	0	0.33	0.37	4.92	0.01	1.24	0.01	1.25	0.31	0.01	0.31	1.10	
					Total	0.95	22.94	17.40	0.15	4.92	0.22	5.15	1.29	0.21	1.50		14.69
Foundations	2024																
Total Haul Trips	6,200																
Hauling	100	62	8	20	15	0.31	11.28	6.24	0.07	1.84	0.11	1.95	0.49	0.10	0.59	221.78	
Vendor	0	76	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	96	76	8	18.5	0	0.33	0.37	4.92	0.01	1.24	0.01	1.25	0.31	0.01	0.31	41.92	
					Total	0.64	11.65	11.16	0.08	3.08	0.12	3.20	0.80	0.11	0.91		263.70
Building Construction	2024																
Total Haul Trips	0																
Hauling	0	86	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	84	86	8	10.2	15	0.21	5.48	3.85	0.03	0.73	0.03	0.76	0.19	0.03	0.23	127.80	
Worker	240	86	8	18.5	0	0.82	0.93	12.30	0.03	3.10	0.02	3.12	0.77	0.02	0.79	118.60	
					Total	1.02	6.42	16.15	0.06	3.83	0.05	3.88	0.96	0.05	1.01		246.40
Building Construction	2025																
Total Haul Trips	0																
Hauling	0	313	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	84	313	8	10.2	15	0.20	5.25	3.75	0.03	0.73	0.03	0.76	0.19	0.03	0.22	457.81	
Worker	240	313	8	18.5	0	0.76	0.85	11.44	0.03	3.10	0.02	3.12	0.77	0.02	0.79	419.66	
					Total	0.96	6.10	15.19	0.06	3.83	0.05	3.88	0.96	0.05	1.01		877.47
Building Construction	2026																
Total Haul Trips	0																
Hauling	0	69	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	84	69	8	10.2	15	0.19	5.03	3.67	0.03	0.73	0.03	0.76	0.19	0.03	0.22	99.25	
Worker	240	69	8	18.5	0	0.72	0.77	10.70	0.03	3.10	0.02	3.12	0.77	0.01	0.79	90.18	
					Total	0.91	5.80	14.37	0.06	3.83	0.05	3.88	0.96	0.05	1.01		189.44
Paving	2024																
Total Haul Trips	0																
Hauling	0	28	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	28	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	30	28	8	18.5	0	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10	4.83	
					Total	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10		4.83
Architectural Coating	2026																
Total Haul Trips	0																
Hauling	0	120	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	120	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	120	8	18.5	0	0.12	0.13	1.78	0.00	0.52	0.00	0.52	0.13	0.00	0.13	26.14	

Hilton - Hotel Site
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
2024	2024Hauling Hauling	0.01506835	1.736594392	0.53415245	0.01416079	0.0242504	0.02319665	1559.36414	0.08218565	0.24859598
2024	2024Vendor Vendor	0.01969384	1.266700708	0.44120439	0.01277308	0.01665469	0.01592783	1377.97499	0.04535619	0.19361282
2024	2024Worker Worker	0.01832772	0.079436569	1.06108625	0.00300255	0.00168421	0.00155002	303.73836	0.00437904	0.00668737
2025	2025Hauling Hauling	0.01437944	1.662749972	0.51520497	0.01390779	0.02389452	0.02285639	1532.44355	0.07834145	0.24434833
2025	2025Vendor Vendor	0.01760775	1.192913115	0.40524391	0.01255696	0.0160024	0.01530399	1355.54323	0.04334823	0.19105447
2025	2025Worker Worker	0.01639808	0.071550735	0.98587189	0.00292026	0.00160066	0.00147299	295.413817	0.00395768	0.00621482
2026	2026Hauling Hauling	0.01376405	1.595849109	0.49695887	0.01364807	0.02370376	0.02267409	1504.81428	0.07447891	0.23998519
2026	2026Vendor Vendor	0.01588145	1.125637812	0.37555792	0.01233428	0.01550079	0.01482427	1332.37984	0.04136649	0.18835672
2026	2026Worker Worker	0.01474423	0.064876665	0.92148333	0.00284763	0.00151768	0.00139649	288.065796	0.00359651	0.00581535
2027	2027Hauling Hauling	0.01322008	1.536397393	0.47417014	0.01337135	0.02376842	0.02273616	1474.76922	0.06997872	0.23521638
2027	2027Vendor Vendor	0.01440232	1.064732037	0.34654864	0.0120909	0.01519791	0.0145347	1306.68278	0.03905997	0.18528831
2027	2027Worker Worker	0.0132844	0.05897072	0.863434	0.00278193	0.00142337	0.00130945	281.41861	0.00327875	0.00546182
0	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	772													
Hauling	42	19	8	30	0.04	4.82	1.48	0.04	0.07	0.06	36.11	0.05	1.72	37.88
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	19	8	18.5	0.03	0.13	1.73	0.00	0.00	0.00	4.27	0.00	0.03	4.30
Site Preparation	2024													
Total Haul Trips	18													
Hauling	2	9	8	30	0.00	0.23	0.07	0.00	0.00	0.00	0.84	0.00	0.04	0.88
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	19	8	18.5	0.01	0.06	0.87	0.00	0.00	0.00	2.14	0.00	0.01	2.15
Grading	2024													
Total Haul Trips	5184													
Hauling	200	26	8	30	0.20	22.97	7.07	0.19	0.32	0.31	242.51	0.32	11.52	254.35
Vendor	0	60	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	60	8	18.5	0.03	0.13	1.73	0.00	0.00	0.00	13.49	0.00	0.09	13.58
Trenching	2024													
Total Haul Trips	0													
Hauling	0	42	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	42	8	18.5	0.01	0.05	0.69	0.00	0.00	0.00	3.78	0.00	0.02	3.80
Foundations	2024													
Total Haul Trips	378													
Hauling	200	2	12	20	0.13	15.31	4.71	0.12	0.21	0.20	11.79	0.02	0.56	12.36
Vendor	0	2	12	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	2	12	18.5	0.07	0.31	4.15	0.01	0.01	0.01	1.08	0.00	0.01	1.09
Foundations	2024													
Total Haul Trips	6200													
Hauling	100	62	8	20	0.07	7.66	2.36	0.06	0.11	0.10	193.36	0.25	9.19	202.80
Vendor	0	76	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	76	8	18.5	0.07	0.31	4.15	0.01	0.01	0.01	41.00	0.01	0.27	41.28
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	86	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	86	8	10.2	0.04	2.39	0.83	0.02	0.03	0.03	101.54	0.08	4.25	105.87
Worker	240	86	8	18.5	0.18	0.78	10.39	0.03	0.02	0.02	115.98	0.04	0.76	116.78
Building Construction	2025													
Total Haul Trips	0													
Hauling	0	313	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	313	8	10.2	0.03	2.25	0.77	0.02	0.03	0.03	363.53	0.29	15.27	379.09
Worker	240	313	8	18.5	0.16	0.70	9.65	0.03	0.02	0.01	410.54	0.14	2.57	413.25
Building Construction	2026													
Total Haul Trips	0													
Hauling	0	69	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	69	8	10.2	0.03	2.13	0.71	0.02	0.03	0.03	78.77	0.06	3.32	82.15
Worker	240	69	8	18.5	0.14	0.64	9.02	0.03	0.01	0.01	88.25	0.03	0.53	88.81
Paving	2024													
Total Haul Trips	0													
Hauling	0	28	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	28	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	28	8	18.5	0.02	0.10	1.30	0.00	0.00	0.00	4.72	0.00	0.03	4.75
Architectural Coating	2026													
Total Haul Trips	0													
Hauling	0	120	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	120	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	120	8	18.5	0.02	0.11	1.50	0.00	0.00	0.00	25.58	0.01	0.15	25.74

Hilton - Hotel Site
Start Emissions

		Start Emissions Factor (grams/trip)						Start Emissions Factor (grams/trip)		
2024	2024Hauling Hauling	0.0011779	2.678708512	0.00389032	4.7141E-07	1.2281E-06	1.1292E-06	0.04768432	8.0483E-08	1.77648E-05
2024	2024Vendor Vendor	0.08333227	1.993917438	0.65284372	5.8118E-05	6.419E-05	5.902E-05	5.8787779	0.00580097	0.004228255
2024	2024Worker Worker	1.20444152	0.294577037	3.61543143	0.00074914	0.00232654	0.00213919	75.777476	0.07927821	0.033955746
2025	2025Hauling Hauling	0.00088032	2.695280078	0.003513	3.8852E-07	8.9928E-07	8.2685E-07	0.03929983	7.6836E-08	1.28799E-05
2025	2025Vendor Vendor	0.07698467	2.002911282	0.60569303	5.5181E-05	5.9944E-05	5.5116E-05	5.581741	0.00545549	0.004028667
2025	2025Worker Worker	1.14241787	0.277426329	3.38235251	0.0007283	0.00223347	0.0020536	73.6698428	0.07431993	0.032773007
2026	2026Hauling Hauling	0.00059398	2.700584219	0.00281799	3.0727E-07	5.7683E-07	5.3038E-07	0.03108176	7.3659E-08	6.71372E-06
2026	2026Vendor Vendor	0.07223774	2.002754741	0.56331633	5.2474E-05	5.6738E-05	5.2169E-05	5.30785243	0.00514398	0.003831506
2026	2026Worker Worker	1.08211637	0.26253092	3.17302049	0.00070897	0.00214224	0.00196971	71.7140515	0.06981292	0.031730685
2027	2027Hauling Hauling	0.00048631	2.684459969	0.00257919	2.6488E-07	4.4098E-07	4.0546E-07	0.02679352	6.691E-08	5.70925E-06
2027	2027Vendor Vendor	0.06781194	1.987864891	0.52445847	4.9854E-05	5.3874E-05	4.9535E-05	5.04289677	0.00484902	0.003638759
2027	2027Worker Worker	1.03400381	0.249591845	2.98593445	0.00069112	0.00203955	0.00187529	69.9090072	0.06574916	0.030824112
	GWP		N/A					1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	772													
Hauling	42	19	8	30	0.00	0.25	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.09
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	19	8	18.5	0.11	0.03	0.32	0.00	0.00	0.00	0.06	0.00	0.00	0.07
Site Preparation	2024													
Total Haul Trips	18													
Hauling	2	9	8	30	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	19	8	18.5	0.05	0.01	0.16	0.00	0.00	0.00	0.03	0.00	0.00	0.03
Grading	2024													
Total Haul Trips	5184													
Hauling	200	26	8	30	0.00	1.18	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.61
Vendor	0	60	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	60	8	18.5	0.11	0.03	0.32	0.00	0.00	0.00	0.18	0.00	0.00	0.21
Trenching	2024													
Total Haul Trips	0													
Hauling	0	42	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	42	8	18.5	0.04	0.01	0.13	0.00	0.00	0.00	0.05	0.00	0.00	0.06
Foundations	2024													
Total Haul Trips	378													
Hauling	200	2	12	20	0.00	1.18	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
Vendor	0	2	12	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	2	12	18.5	0.25	0.06	0.77	0.00	0.00	0.00	0.01	0.00	0.00	0.02
Foundations	2024													
Total Haul Trips	6200													
Hauling	100	62	8	20	0.00	0.59	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.72
Vendor	0	76	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	76	8	18.5	0.25	0.06	0.77	0.00	0.00	0.00	0.55	0.00	0.00	0.64
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	86	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	86	8	10.2	0.02	0.37	0.12	0.00	0.00	0.00	0.04	0.00	0.00	0.05
Worker	240	86	8	18.5	0.64	0.16	1.91	0.00	0.00	0.00	1.56	0.00	0.00	1.81
Building Construction	2025													
Total Haul Trips	0													
Hauling	0	313	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	313	8	10.2	0.01	0.37	0.11	0.00	0.00	0.00	0.15	0.00	0.00	0.18
Worker	240	313	8	18.5	0.60	0.15	1.79	0.00	0.00	0.00	5.53	0.01	0.00	6.41
Building Construction	2026													
Total Haul Trips	0													
Hauling	0	69	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	69	8	10.2	0.01	0.37	0.10	0.00	0.00	0.00	0.03	0.00	0.00	0.04
Worker	240	69	8	18.5	0.57	0.14	1.68	0.00	0.00	0.00	1.19	0.00	0.00	1.37
Paving	2024													
Total Haul Trips	0													
Hauling	0	28	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	28	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	28	8	18.5	0.08	0.02	0.24	0.00	0.00	0.00	0.06	0.00	0.00	0.07
Architectural Coating	2026													
Total Haul Trips	0													
Hauling	0	120	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	120	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	120	8	18.5	0.10	0.02	0.28	0.00	0.00	0.00	0.34	0.00	0.00	0.40

Hilton - Hotel Site
Idling Emissions

		Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
2024	2024Hauling Hauling	0.07437494	0.917247169	1.17434618	0.00164618	0.00051387	0.00049064	186.584742	0.03775081	0.02998659
2024	2024Vendor Vendor	0.05574475	0.97932101	1.04113291	0.00173608	0.0012437	0.00118901	192.388064	0.03141797	0.03004254
2024	2024Worker Worker	0	0	0	0	0	0	0	0	0
2025	2025Hauling Hauling	0.07384779	0.89374484	1.16956773	0.00160816	0.00048966	0.00046743	182.629841	0.03706445	0.02936626
2025	2025Vendor Vendor	0.05473595	0.945594456	1.03541301	0.0017095	0.0010667	0.00101961	189.759873	0.0312874	0.02966936
2025	2025Worker Worker	0	0	0	0	0	0	0	0	0
2026	2026Hauling Hauling	0.07332853	0.869309923	1.16475746	0.00157132	0.00046695	0.00044566	178.812761	0.03647035	0.02876828
2026	2026Vendor Vendor	0.05380566	0.910252493	1.02948272	0.0016821	0.00091601	0.0008754	187.036763	0.03115768	0.02927823
2026	2026Worker Worker	0	0	0	0	0	0	0	0	0
2027	2027Hauling Hauling	0.07278869	0.845464481	1.15904257	0.00153493	0.00044772	0.00042721	175.004083	0.0358482	0.02816981
2027	2027Vendor Vendor	0.05290284	0.875701259	1.02205631	0.00165228	0.00079151	0.00075624	184.0218	0.03096952	0.0288389
2027	2027Worker Worker	0	0	0	0	0	0	0	0	0
	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	772													
Hauling	42	19	8	15	0.10	1.27	1.63	0.00	0.00	0.00	2.16	0.00	0.01	2.17
Vendor	0	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	19	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	2024													
Total Haul Trips	18													
Hauling	2	9	8	15	0.00	0.06	0.08	0.00	0.00	0.00	0.05	0.00	0.00	0.05
Vendor	0	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	19	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2024													
Total Haul Trips	5184													
Hauling	200	26	8	15	0.49	6.07	7.77	0.01	0.00	0.00	14.55	0.07	0.68	15.31
Vendor	0	60	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	60	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	2024													
Total Haul Trips	0													
Hauling	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Foundations	2024													
Total Haul Trips	378													
Hauling	200	2	12	15	0.49	6.07	7.77	0.01	0.00	0.00	1.12	0.01	0.05	1.18
Vendor	0	2	12	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	2	12	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Foundations	2024													
Total Haul Trips	6200													
Hauling	100	62	8	15	0.25	3.03	3.88	0.01	0.00	0.00	17.35	0.09	0.81	18.25
Vendor	0	76	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	76	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	86	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	86	8	15	0.15	2.72	2.89	0.00	0.00	0.00	20.85	0.09	0.94	21.88
Worker	240	86	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2025													
Total Haul Trips	0													
Hauling	0	313	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	313	8	15	0.15	2.63	2.88	0.00	0.00	0.00	74.84	0.31	3.39	78.54
Worker	240	313	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2026													
Total Haul Trips	0													
Hauling	0	69	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	69	8	15	0.15	2.53	2.86	0.00	0.00	0.00	16.26	0.07	0.74	17.07
Worker	240	69	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	2024													
Total Haul Trips	0													
Hauling	0	28	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	28	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	28	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	2026													
Total Haul Trips	0													
Hauling	0	120	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	120	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	120	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hilton - Hotel Site
Road Dust, Break Wear, and Tire wear Emissions

		Emission Factors (grams/mile)					
		PM10			PM2.5		
2024	2024Hauling Hauling	0.2998499	0.082315236	0.035279	0.0735995	0.0288103	0.0088198
2024	2024Vendor Vendor	0.2998499	0.062716793	0.0236395	0.0735995	0.0219509	0.0059099
2024	2024Worker Worker	0.2998499	0.009001983	0.008	0.0735995	0.0031507	0.002
2025	2025Hauling Hauling	0.2998499	0.082193524	0.0352846	0.0735995	0.0287677	0.0088211
2025	2025Vendor Vendor	0.2998499	0.062593489	0.0236423	0.0735995	0.0219077	0.0059106
2025	2025Worker Worker	0.2998499	0.008968156	0.008	0.0735995	0.0031389	0.002
2026	2026Hauling Hauling	0.2998499	0.082405307	0.0352904	0.0735995	0.0288419	0.0088226
2026	2026Vendor Vendor	0.2998499	0.062625784	0.0236452	0.0735995	0.021919	0.0059113
2026	2026Worker Worker	0.2998499	0.008948145	0.008	0.0735995	0.0031319	0.002
2027	2027Hauling Hauling	0.2998499	0.082414193	0.0352962	0.0735995	0.028845	0.0088241
2027	2027Vendor Vendor	0.2998499	0.062505591	0.0236481	0.0735995	0.021877	0.005912
2027	2027Worker Worker	0.2998499	0.008900193	0.008	0.0735995	0.0031151	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
Demolition	2024									
Total Haul Trips	772				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Hauling	42	19	8	30	0.83	0.23	0.10	0.20	0.08	0.02
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	19	8	18.5	0.49	0.01	0.01	0.12	0.01	0.00
Site Preparation	2024									
Total Haul Trips	18									
Hauling	2	9	8	30	0.04	0.01	0.00	0.01	0.00	0.00
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	19	8	18.5	0.24	0.01	0.01	0.06	0.00	0.00
Grading	2024									
Total Haul Trips	5184									
Hauling	200	26	8	30	3.97	1.09	0.47	0.97	0.38	0.12
Vendor	0	60	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	60	8	18.5	0.49	0.01	0.01	0.12	0.01	0.00
Trenching	2024									
Total Haul Trips	0									
Hauling	0	42	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	42	8	18.5	0.20	0.01	0.01	0.05	0.00	0.00
Foundations	2024									
Total Haul Trips	378									
Hauling	200	2	12	20	2.64	0.73	0.31	0.65	0.25	0.08
Vendor	0	2	12	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	2	12	18.5	1.17	0.04	0.03	0.29	0.01	0.01
Foundations	2024									
Total Haul Trips	6200									
Hauling	100	62	8	20	1.32	0.36	0.16	0.32	0.13	0.04
Vendor	0	76	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	76	8	18.5	1.17	0.04	0.03	0.29	0.01	0.01
Building Construction	2024									
Total Haul Trips	0									
Hauling	0	86	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	86	8	10.2	0.57	0.12	0.04	0.14	0.04	0.01
Worker	240	86	8	18.5	2.94	0.09	0.08	0.72	0.03	0.02
Building Construction	2025									
Total Haul Trips	0									
Hauling	0	313	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	313	8	10.2	0.57	0.12	0.04	0.14	0.04	0.01
Worker	240	313	8	18.5	2.94	0.09	0.08	0.72	0.03	0.02
Building Construction	2026									
Total Haul Trips	0									
Hauling	0	69	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	69	8	10.2	0.57	0.12	0.04	0.14	0.04	0.01
Worker	240	69	8	18.5	2.94	0.09	0.08	0.72	0.03	0.02
Paving	2024									
Total Haul Trips	0									
Hauling	0	28	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	28	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	28	8	18.5	0.37	0.01	0.01	0.09	0.00	0.00
Architectural Coating	2026									
Total Haul Trips	0									
Hauling	0	120	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	120	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	120	8	18.5	0.49	0.01	0.01	0.12	0.01	0.00

Hilton
Road Dust

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\,(sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
sL =	road surface silt loading (g/m^2)
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\,(\,s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:

SCAQMD, CalEEMod, Version 2011.1.

CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).

USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).

PCR Services Corporation, 2013.

Hilton - Garage Site
Total Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	(MT/yr) Total CO2e	
Demolition	2024																
Total Haul Trips	16																
Hauling	2	8	8	30	15	0.01	0.30	0.15	0.00	0.06	0.00	0.06	0.01	0.00	0.02	0.83	
Vendor	0	11	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	11	8	18.5	0	0.14	0.16	2.05	0.00	0.52	0.00	0.52	0.13	0.00	0.13	2.53	
					Total	0.14	0.46	2.20	0.01	0.57	0.01	0.58	0.14	0.01	0.15		3.36
Grading	2024																
Total Haul Trips	6,418																
Hauling	200	33	8	30	15	0.69	30.22	14.83	0.20	5.52	0.32	5.85	1.47	0.31	1.78	335.08	
Vendor	0	51	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	30	51	8	18.5	0	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10	8.79	
					Total	0.79	30.34	16.37	0.20	5.91	0.33	6.24	1.57	0.31	1.88		343.87
Foundations	2024																
Total Haul Trips	1,500																
Hauling	60	25	8	20	15	0.19	6.77	3.74	0.04	1.10	0.07	1.17	0.29	0.06	0.36	53.66	
Vendor	0	30	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	50	30	8	18.5	0	0.17	0.19	2.56	0.01	0.65	0.00	0.65	0.16	0.00	0.16	8.62	
					Total	0.36	6.96	6.31	0.05	1.75	0.07	1.82	0.45	0.07	0.52		62.27
Building Construction	2024																
Total Haul Trips	0																
Hauling	0	144	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	12	144	8	10.2	15	0.03	0.78	0.55	0.00	0.10	0.00	0.11	0.03	0.00	0.03	30.57	
Worker	90	144	8	18.5	0	0.31	0.35	4.61	0.01	1.16	0.01	1.17	0.29	0.01	0.30	74.47	
					Total	0.34	1.13	5.16	0.02	1.27	0.01	1.28	0.32	0.01	0.33		105.04
Paving	2024																
Total Haul Trips	0																
Hauling	0	13	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	13	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	30	13	8	18.5	0	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10	2.24	
					Total	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10		2.24
Architectural Coatings	2024																
Total Haul Trips	0																
Hauling	0	26	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	26	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	20	26	8	18.5	0	0.07	0.08	1.02	0.00	0.26	0.00	0.26	0.06	0.00	0.07	2.99	
					Total	0.07	0.08	1.02	0.00	0.26	0.00	0.26	0.06	0.00	0.07		2.99

Hilton - Garage Site
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
2024	2024Hauling Hauling	0.01506835	1.736594392	0.53415245	0.01416079	0.0242504	0.02319665	1559.36414	0.08218565	0.24859598
2024	2024Vendor Vendor	0.01969384	1.266700708	0.44120439	0.01277308	0.01665469	0.01592783	1377.97499	0.04535619	0.19361282
2024	2024Worker Worker	0.01832772	0.079436569	1.06108625	0.00300255	0.00168421	0.00155002	303.73836	0.00437904	0.00668737
2025	2025Hauling Hauling	0.01437944	1.662749972	0.51520497	0.01390779	0.02389452	0.02285639	1532.44355	0.07834145	0.24434833
2025	2025Vendor Vendor	0.01760775	1.192913115	0.40524391	0.01255696	0.0160024	0.01530399	1355.54323	0.04334823	0.19105447
2025	2025Worker Worker	0.01639808	0.071550735	0.98587189	0.00292026	0.00160066	0.00147299	295.413817	0.00395768	0.00621482
2026	2026Hauling Hauling	0.01376405	1.595849109	0.49695887	0.01364807	0.02370376	0.02267409	1504.81428	0.07447891	0.23998519
2026	2026Vendor Vendor	0.01588145	1.125637812	0.37555792	0.01233428	0.01550079	0.01482427	1332.37984	0.04136649	0.18835672
2026	2026Worker Worker	0.01474423	0.064876665	0.92148333	0.00284763	0.00151768	0.00139649	288.065796	0.00359651	0.00581535
2027	2027Hauling Hauling	0.01322008	1.536397393	0.47417014	0.01337135	0.02376842	0.02273616	1474.76922	0.06997872	0.23521638
2027	2027Vendor Vendor	0.01440232	1.064732037	0.34654864	0.0120909	0.01519791	0.0145347	1306.68278	0.03905997	0.18528831
2027	2027Worker Worker	0.0132844	0.05897072	0.863434	0.00278193	0.00142337	0.00130945	281.41861	0.00327875	0.00546182
0	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	16													
Hauling	2	8	8	30	0.00	0.23	0.07	0.00	0.00	0.00	0.75	0.00	0.04	0.79
Vendor	0	11	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	11	8	18.5	0.03	0.13	1.73	0.00	0.00	0.00	2.47	0.00	0.02	2.49
Grading	2024													
Total Haul Trips	6418													
Hauling	200	33	8	30	0.20	22.97	7.07	0.19	0.32	0.31	300.24	0.40	14.26	314.90
Vendor	0	51	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	51	8	18.5	0.02	0.10	1.30	0.00	0.00	0.00	8.60	0.00	0.06	8.66
Foundations	2024													
Total Haul Trips	1500													
Hauling	60	25	8	20	0.04	4.59	1.41	0.04	0.06	0.06	46.78	0.06	2.22	49.07
Vendor	0	30	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	50	30	8	18.5	0.04	0.16	2.16	0.01	0.00	0.00	8.43	0.00	0.06	8.49
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	144	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	12	144	8	10.2	0.01	0.34	0.12	0.00	0.00	0.00	24.29	0.02	1.02	25.32
Worker	90	144	8	18.5	0.07	0.29	3.89	0.01	0.01	0.01	72.82	0.03	0.48	73.33
Paving	2024													
Total Haul Trips	0													
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	13	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	13	8	18.5	0.02	0.10	1.30	0.00	0.00	0.00	2.19	0.00	0.01	2.21
Architectural Coatings	2024													
Total Haul Trips	0													
Hauling	0	26	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	26	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	26	8	18.5	0.01	0.06	0.87	0.00	0.00	0.00	2.92	0.00	0.02	2.94

Hilton - Garage Site
Start Emissions

		Start Emissions Factor (grams/trip)						Start Emissions Factor (grams/trip)		
2024	2024Hauling Hauling	0.0011779	2.678708512	0.00389032	4.7141E-07	1.2281E-06	1.1292E-06	0.04768432	8.0483E-08	1.77648E-05
2024	2024Vendor Vendor	0.08333227	1.993917438	0.65284372	5.8118E-05	6.419E-05	5.902E-05	5.8787779	0.00580097	0.004228255
2024	2024Worker Worker	1.20444152	0.294577037	3.61543143	0.00074914	0.00232654	0.00213919	75.777476	0.07927821	0.033955746
2025	2025Hauling Hauling	0.00088032	2.695280078	0.003513	3.8852E-07	8.9928E-07	8.2685E-07	0.03929983	7.6836E-08	1.28799E-05
2025	2025Vendor Vendor	0.07698467	2.002911282	0.60569303	5.5181E-05	5.9944E-05	5.5116E-05	5.581741	0.00545549	0.004028667
2025	2025Worker Worker	1.14241787	0.277426329	3.38235251	0.0007283	0.00223347	0.0020536	73.6698428	0.07431993	0.032773007
2026	2026Hauling Hauling	0.00059398	2.700584219	0.00281799	3.0727E-07	5.7683E-07	5.3038E-07	0.03108176	7.3659E-08	6.71372E-06
2026	2026Vendor Vendor	0.07223774	2.002754741	0.56331633	5.2474E-05	5.6738E-05	5.2169E-05	5.30785243	0.00514398	0.003831506
2026	2026Worker Worker	1.08211637	0.26253092	3.17302049	0.00070897	0.00214224	0.00196971	71.7140515	0.06981292	0.031730685
2027	2027Hauling Hauling	0.00048631	2.684459969	0.00257919	2.6488E-07	4.4098E-07	4.0546E-07	0.02679352	6.691E-08	5.70925E-06
2027	2027Vendor Vendor	0.06781194	1.987864891	0.52445847	4.9854E-05	5.3874E-05	4.9535E-05	5.04289677	0.00484902	0.003638759
2027	2027Worker Worker	1.03400381	0.249591845	2.98593445	0.00069112	0.00203955	0.00187529	69.9090072	0.06574916	0.030824112
	GWP		N/A					1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	16													
Hauling	2	8	8	30	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	11	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	11	8	18.5	0.11	0.03	0.32	0.00	0.00	0.00	0.03	0.00	0.00	0.04
Grading	2024													
Total Haul Trips	6418													
Hauling	200	33	8	30	0.00	1.18	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.75
Vendor	0	51	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	51	8	18.5	0.08	0.02	0.24	0.00	0.00	0.00	0.12	0.00	0.00	0.13
Foundations	2024													
Total Haul Trips	1500													
Hauling	60	25	8	20	0.00	0.35	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.18
Vendor	0	30	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	50	30	8	18.5	0.13	0.03	0.40	0.00	0.00	0.00	0.11	0.00	0.00	0.13
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	144	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	12	144	8	10.2	0.00	0.05	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.01
Worker	90	144	8	18.5	0.24	0.06	0.72	0.00	0.00	0.00	0.98	0.00	0.00	1.14
Paving	2024													
Total Haul Trips	0													
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	13	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	13	8	18.5	0.08	0.02	0.24	0.00	0.00	0.00	0.03	0.00	0.00	0.03
Architectural Coatings	2024													
Total Haul Trips	0													
Hauling	0	26	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	26	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	26	8	18.5	0.05	0.01	0.16	0.00	0.00	0.00	0.04	0.00	0.00	0.05

Hilton - Garage Site
Idling Emissions

		Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
2024	2024Hauling Hauling	0.07437494	0.917247169	1.17434618	0.00164618	0.00051387	0.00049064	186.584742	0.03775081	0.02998659
2024	2024Vendor Vendor	0.05574475	0.97932101	1.04113291	0.00173608	0.0012437	0.00118901	192.388064	0.03141797	0.03004254
2024	2024Worker Worker	0	0	0	0	0	0	0	0	0
2025	2025Hauling Hauling	0.07384779	0.89374484	1.16956773	0.00160816	0.00048966	0.00046743	182.629841	0.03706445	0.02936626
2025	2025Vendor Vendor	0.05473595	0.945594456	1.03541301	0.0017095	0.0010667	0.00101961	189.759873	0.0312874	0.02966936
2025	2025Worker Worker	0	0	0	0	0	0	0	0	0
2026	2026Hauling Hauling	0.07332853	0.869309923	1.16475746	0.00157132	0.00046695	0.00044566	178.812761	0.03647035	0.02876828
2026	2026Vendor Vendor	0.05380566	0.910252493	1.02948272	0.0016821	0.00091601	0.0008754	187.036763	0.03115768	0.02927823
2026	2026Worker Worker	0	0	0	0	0	0	0	0	0
2027	2027Hauling Hauling	0.07278869	0.845464481	1.15904257	0.00153493	0.00044772	0.00042721	175.004083	0.0358482	0.02816981
2027	2027Vendor Vendor	0.05290284	0.875701259	1.02205631	0.00165228	0.00079151	0.00075624	184.0218	0.03096952	0.0288389
2027	2027Worker Worker	0	0	0	0	0	0	0	0	0
	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	16													
Hauling	2	8	8	15	0.00	0.06	0.08	0.00	0.00	0.00	0.04	0.00	0.00	0.05
Vendor	0	11	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	11	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2024													
Total Haul Trips	6418													
Hauling	200	33	8	15	0.49	6.07	7.77	0.01	0.00	0.00	18.47	0.09	0.86	19.43
Vendor	0	51	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	51	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Foundations	2024													
Total Haul Trips	1500													
Hauling	60	25	8	15	0.15	1.82	2.33	0.00	0.00	0.00	4.20	0.02	0.20	4.42
Vendor	0	30	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	50	30	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	144	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	12	144	8	15	0.02	0.39	0.41	0.00	0.00	0.00	4.99	0.02	0.23	5.23
Worker	90	144	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	2024													
Total Haul Trips	0													
Hauling	0	13	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	13	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	13	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	2024													
Total Haul Trips	0													
Hauling	0	26	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	26	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	26	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hilton - Garage Site

Road Dust, Break Wear, and Tire wear Emissions

		Emission Factors (grams/mile)					
		PM10			PM2.5		
2024	2024Hauling Hauling	0.29984991	0.082315236	0.03527902	0.07359952	0.02881033	0.00881975
2024	2024Vendor Vendor	0.29984991	0.062716793	0.02363951	0.07359952	0.02195088	0.00590988
2024	2024Worker Worker	0.29984991	0.009001983	0.008	0.07359952	0.00315069	0.002
2025	2025Hauling Hauling	0.29984991	0.082193524	0.03528459	0.07359952	0.02876773	0.00882115
2025	2025Vendor Vendor	0.29984991	0.062593489	0.02364229	0.07359952	0.02190772	0.00591057
2025	2025Worker Worker	0.29984991	0.008968156	0.008	0.07359952	0.00313885	0.002
2026	2026Hauling Hauling	0.29984991	0.082405307	0.03529039	0.07359952	0.02884186	0.0088226
2026	2026Vendor Vendor	0.29984991	0.062625784	0.02364519	0.07359952	0.02191902	0.0059113
2026	2026Worker Worker	0.29984991	0.008948145	0.008	0.07359952	0.00313185	0.002
2027	2027Hauling Hauling	0.29984991	0.082414193	0.03529623	0.07359952	0.02884497	0.00882406
2027	2027Vendor Vendor	0.29984991	0.062505591	0.02364812	0.07359952	0.02187696	0.00591203
2027	2027Worker Worker	0.29984991	0.008900193	0.008	0.07359952	0.00311507	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
Demolition	2024									
Total Haul Trips	16				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Hauling	2	8	8	30	0.04	0.01	0.00	0.01	0.00	0.00
Vendor	0	11	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	11	8	18.5	0.49	0.01	0.01	0.12	0.01	0.00
Grading	2024									
Total Haul Trips	6418									
Hauling	200	33	8	30	3.97	1.09	0.47	0.97	0.38	0.12
Vendor	0	51	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	51	8	18.5	0.37	0.01	0.01	0.09	0.00	0.00
Foundations	2024									
Total Haul Trips	1500									
Hauling	60	25	8	20	0.79	0.22	0.09	0.19	0.08	0.02
Vendor	0	30	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	50	30	8	18.5	0.61	0.02	0.02	0.15	0.01	0.00
Building Construction	2024									
Total Haul Trips	0									
Hauling	0	144	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	12	144	8	10.2	0.08	0.02	0.01	0.02	0.01	0.00
Worker	90	144	8	18.5	1.10	0.03	0.03	0.27	0.01	0.01
Paving	2024									
Total Haul Trips	0									
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	13	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	13	8	18.5	0.37	0.01	0.01	0.09	0.00	0.00
Architectural Coatings	2024									
Total Haul Trips	0									
Hauling	0	26	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	26	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	26	8	18.5	0.24	0.01	0.01	0.06	0.00	0.00

Hilton
Road Dust

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\,(sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
sL =	road surface silt loading (g/m^2)
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\,(\,s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:

SCAQMD, CalEEMod, Version 2011.1.

CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).

USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).

PCR Services Corporation, 2013.

b) Operations

(1) Emissions Summaries and Miscellaneous Calculations

(2) Mobile Calculations

(3) Modeling Outputs

Universal Hilton
Air Quality Assessment

Regional Operational Emissions

Maximum Unmitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	11.79	0.21	24.86	1.48E-03	0.03	0.04
Energy (Natural Gas)	0.13	2.30	1.93	0.01	0.17	0.17
Motor Vehicles	8.34	11.64	75.47	0.23	21.51	5.49
Emergency Generators	0.30	5.61	5.14	1.08E-04	0.02	0.02
Charbroilers	0.47	-	-	-	1.54	0.92
Total Project On-Site and Off-Site Emissions	**21.02**	**19.76**	**107.40**	**0.24**	**23.27**	**6.65**
SCAQMD Numeric Indicators	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Over/(Under)	(34.0)	(35.2)	(442.6)	(149.8)	(126.7)	(48.3)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Universal Hilton
Air Quality Assessment

Localized Operational Emissions

Maximum Unmitigated Localized Operational Emissions (pounds per day)[a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	0.21	24.86	0.03	0.04
Energy (Natural Gas)	2.30	1.93	0.17	0.17
Emergency Generators	5.61	5.14	0.02	0.02
Charbroilers	-	-	1.54	0.92
Total Project On-Site Emissions	**8.12**	**31.93**	**1.76**	**1.16**
SCAQMD Numeric Indicators	**193.00**	**4092.34**	**20.88**	**6.96**
Over/(Under)	(184.9)	(4060.4)	(19.1)	(5.8)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Universal Hilton
Air Quality and Greenhouse Gas Assessment

Emergency Generator Emissions
updated: 9/16/2022

Conversion Factors

HP/kW	1.3410	
PM10 Fraction of Total PM	0.960	Table A - Updated CEIDARS Table with PM2.5 Fractions, INTERNAL COMBUSTION - DISTILLATE AND DIESEL-ELECTRIC GENERATION
PM2.5 Fraction of Total PM	0.937	Table A - Updated CEIDARS Table with PM2.5 Fractions, INTERNAL COMBUSTION - DISTILLATE AND DIESEL-ELECTRIC GENERATION
CO2 g/gal	10.21	Climate Registry, Table 13.1: https://www.theclimateregistry.org/wp-content/uploads/2014/11/2016-Climate-Registry-Default-Emission-Factors.pdf
CH4 g/gal	0.58	Climate Registry, Table 13.7: https://www.theclimateregistry.org/wp-content/uploads/2014/11/2016-Climate-Registry-Default-Emission-Factors.pdf
N2O g/gal	0.26	Climate Registry, Table 13.7: https://www.theclimateregistry.org/wp-content/uploads/2014/11/2016-Climate-Registry-Default-Emission-Factors.pdf
GWP CH4	25	IPCC AR4
GWP N2O	298	IPCC AR4
CO2e g/gal	10,302	
CO2 g/gal	10,210	
CO2/CO2e	0.9911	

Standby Emergency Generators

Ratings:	450	kW	*(based on engineering assumptions)*
	603	HP	*(based on engineering assumptions; conversion from kW to hp)*
Load Factor:	0.74		*(based on CalEEMod Generator Set Load Factor)*
Engine Emissions Tier:	Tier 4		*(compliance with CARB diesel regulations)*
Operating Hours per Unit:	2	hours/day	*(testing/maintenance)*
	50	hours/year	*(testing/maintenance, Regulatory Limit per SCAQMD Rule 1470)*

Emergency Generator Emissions

Units	Criteria Pollutants [1, 2, 3]						Greenhouse Gases [1]	
	VOC	NO_X	CO	SOx	PM10	PM2.5	CO_2	CO_2e
g/kW-hr	—	—	3.50	—	—	—	—	—
g/HP-hr	0.15	2.85	2.61	5.50E-05	0.0096	0.0094	526.17	530.91
lbs/hr	0.15	2.80	2.57	0.00	0.01	0.01	517.62	522.28
lbs/day	**0.30**	**5.61**	**5.14**	**0.00**	**0.02**	**0.02**	1,035.23	1,044.56
lbs/yr	7.38	140.18	128.38	0.00	0.47	0.46	25,880.76	26,113.91
tons/yr	0.00	0.07	0.06	0.00	0.00	0.00	12.94	13.06
metric tons/yr	—	—	—	—	—	—	**11.74**	**11.85**

Notes:

1. Emission factors for VOC and NOX: Regulatory Limit per SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines).
2. Emission factors for CO, PM10, and PM2.5: Regulatory Limit per SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines).
3. Emission factor for SO2: U.S. Environmental Protection Agency, AP-42 Compilation of Air Pollutant Emission Factors, Fifth Edition, Section 3.4, Table 3.4-1.
   Emission Factor for SO2 is based on 15 ppm (0.0015%) S1 from the EPA Nonroad Diesel Fuel Program, and assumes complete conversion to SO2.
1. Emission factor for CO2: U.S. Environmental Protection Agency, AP-42 Compilation of Air Pollutant Emission Factors, Fifth Edition, Section 3.4, Table 3.4-1.
   Emissions of GHGs assume 99.11% of the CO2e emissions occur as CO2, which is typical for off-road diesel engines.

Source: ESA 2022.

Universal Hilton

Project - Charbroiler Emissions

San Joaquin Valley Unified Air Pollution Control District Emission Inventory Methodology 690 - Commercial Cooking Operations

Equipment Type	Restaurant Category				
	Ethnic	Family	Fast Food	Seafood	Steak and BBQ
Percent of restaurants with equipment					
Auto charbroilers	3.5	10.1	18.6	0.0	6.9
Underfired charbroilers	47.5	60.9	30.8	52.6	55.2
Deep-fat fryer	81.9	91.4	96.8	100.0	82.8
Glad griddles	62.7	82.9	51.9	36.8	89.7
Clamshell griddles	4.0	1.4	14.7	10.5	0.0
Average number of units per restaurant type					
Auto charbroilers	1.62	1.71	1.07	--	--
Underfired charbroilers	1.54	1.29	1.58	1.10	1.83
Deep-fat fryer	1.63	2.34	3.10	2.47	2.42
Glad griddles	1.88	2.03	1.43	1.11	1.35
Clamshell griddles	1.80	--	2.09	1.50	--

Type of Food	Total Food Cooked per Device (lb/week)				
	Chain-Driven Charbroilers[a]	Underfired Charbroilers	Deep-Fat Fryers	Flat Griddles	Clamshell Griddles
Steak	236	180	181	166	94
Hamburger	798	270	274	362	1,314
Poultry, with skin	147	144	365	88	113
Poultry, skinless	266	179	208	111	108
Pork	58	148	59	112	118
Seafood	119	143	159	92	632
Other meat	0	42	274	58	0
Potatoes	0	0	602	0	0

Universal Hilton

# of food venues	8	Two from each site
Days/week cooking	7	
PM10 fraction of PM	0.7	Updated CEIDARS Table with PM2.5 Fractions
PM2.5 fraction of PM	0.42	Updated CEIDARS Table with PM2.5 Fractions

Total # of equipment

Type	Total Equip
Auto charbroilers	0.8
Underfired charbroilers	4.9
Deep-fat fryer	7.3
Glad griddles	6.6
Clamshell griddles	0.1

Total lbs/day of meat

Type	Auto charbroilers	Underfired charbroil	Deep-fat fryer	Glad griddles	Clamshell griddles
Steak	27.2	125.3	189.1	157.3	1.5
Hamburger	92.1	187.9	286.2	343.0	21.0
Poultry, with skin	17.0	100.2	381.3	83.4	1.8
Poultry, skinless	30.7	124.6	217.3	105.2	1.7
Pork	6.7	103.0	61.6	106.1	1.9
Seafood	13.7	99.5	166.1	87.2	10.1
Other meat	0.0	29.2	286.2	55.0	0.0
Potatoes	0.0	0.0	628.8	0.0	0.0

Source[1]	Uncontrolled Emission Factors[2] (lb/1000 lb)		Quantity[3]	Emissions Controls[4] (percent reduction)		Controlled Emissions[5] (pounds/day)		
	ROG	PM	(lb/day)	VOC	PM	VOC	PM2.5	PM10
Project								
Charbroiler - New York Steak	0.86	17.19	152.52	86%	85%	0.02	0.17	0.28
Charbroiler - 25% fat Hamburger	3.94	32.65	280.03	86%	85%	0.15	0.58	0.96
Charbroiler - Chicken	1.82	10.48	272.48	86%	85%	0.07	0.18	0.30
Deep-fat Fryer - Shoestring fries	0.21	-	628.83	0%	0%	0.13	0.00	0.00
Deep-fat Fryer - breaded chicken patties	0.12	-	598.54	0%	0%	0.07	0.00	0.00
Deep-fat Fryer - breaded cod filet	0.14	-	166.09	0%	0%	0.02	0.00	0.00
Total Emissions						**0.47**	**0.92**	**1.54**

1. Assume each restaurant has one charbroiler and one deep-fat fryer
2. South Coast Air Quality Management District, Emission Factors for Commercial Cooking Operations, http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/1138/par1138pdsr_appendixi.pdf?sfvrsn=2. Accessed April 2016.
3. Quantity of steak and hamburger charbroiled is from SCAQMD Staff Report for Rule 1138 (Control of Emissions from Restaurant Operations) Dated October 10, 1997, found in SJVAPCD Final Draft Staff Report. Rule 4692 (Commercial Charbroiling). Quantity of chicken charboiled and food fried is from San Joaquin Valley Unified Air Pollution Control District Emission Inventory Methodology 690 - Commercial Cooking Operations.
4. South Coast Air Quality Management District Rule 1138 (Control of Emissions from Restaurant Operations) regulates PM10 and VOC emissions from fast-food restaurants with charbroilers. Catalytic oxidizers reduce VOC emissions by approximately 86 percent and PM10 emissions by approximately 85 percent.
5. PM10 represents 70% of total PM and PM2.5 represents 42% of total PM from cooking/charbroiling operations, from: South Coast Air Quality Management District. 2006. Final –Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds. Appendix A: Updated CEIDARS Table with PM2.5 Fractions. Available: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/appendix-a-updated-ceidars-table-with-pm2-5-fractions.doc?sfvrsn=2>. Accessed: February 10, 2017.

Universal Hilton
Air Quality and GHG Assessment
Operational Mobile Emissions

				Criteria Pollutant Emission Factors (g/mile)									GHG Emission Factors (metric tons/mile)				Criteria Pollutant Emissions (pounds/day)									GHG Emissions (metric tons/year)			
	Year	Max Daily VMT	Annual VMT	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2_5 Road Dust	PM2_5	PM2.5 Total	CO2	CH4	N2O	CO2e	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2_5 Road Dust	PM2_5	PM2.5 Total	CO2	CH4	N2O	CO2e
																												1	25	298	
Project	2027	29,985	10,948,175	2.78E-04	3.88E-04	2.52E-03	7.64E-06	6.61E-04	5.61E-05	7.17E-04	1.62E-04	2.09E-05	1.83E-04	3.39E-04	1.75E-08	1.94E-08	3.63E-04	8.34	11.64	75.47	0.23	19.83	1.68	21.51	4.87	0.63	5.49	3,930.10	0.19	0.21	3,998.21
Project - BAU	2027	37,243	13,593,695	2.78E-04	3.88E-04	2.52E-03	7.64E-06	6.61E-04	5.61E-05	7.17E-04	1.62E-04	2.09E-05	1.83E-04	3.39E-04	1.75E-08	1.94E-08	3.63E-04	10.35	14.46	93.71	0.28	24.62	2.09	26.71	6.04	0.78	6.82	4,879.77	0.24	0.26	4,964.33

Source: Linscott, Law & Greenspan, Engineers [LLG], Transportation Analysis Addendum for the Hilton Universal City Expansion Project, April 2023

Univeral Hilton
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
sL =	road surface silt loading (g/m^2)
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:

SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2022.

Hilton-Ops Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-Ops
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.12

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Hotel	395	Room	0.25	198,268	0.00	—	—	—

General Office Building	88.5	1000sqft	0.21	88,512	0.00	—	—	—
Health Club	11.3	1000sqft	0.01	11,296	0.00	—	—	—
Quality Restaurant	7.23	1000sqft	0.01	7,232	0.00	—	—	—
High Turnover (Sit Down Restaurant)	9.54	1000sqft	0.01	9,535	0.00	—	—	—
Other Non-Asphalt Surfaces	56.2	1000sqft	0.94	56,169	31,240	—	—	—
Recreational Swimming Pool	4.62	1000sqft	0.01	4,618	0.00	—	—	—
Parking Lot	23.2	1000sqft	0.53	23,216	0.00	—	—	—
Other Asphalt Surfaces	109	1000sqft	2.54	109,309	0.00	—	—	—
Enclosed Parking with Elevator	348	Space	0.43	63,426	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	806	9,036	9,841	81.6	0.25	336	12,294

Mit.	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	241	9,036	9,277	25.2	0.25	336	10,318
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	6%	69%	—	—	16%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	806	8,933	9,739	81.6	0.25	336	12,191
Mit.	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	241	8,933	9,174	25.2	0.25	336	10,215
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	6%	69%	—	—	16%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	806	9,003	9,809	81.6	0.25	336	12,261
Mit.	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	241	9,003	9,244	25.2	0.25	336	10,286
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	6%	69%	—	—	16%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	133	1,491	1,624	13.5	0.04	55.7	2,030
Mit.	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	39.9	1,491	1,531	4.17	0.04	55.7	1,703
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	6%	69%	—	—	16%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Area	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	806	9,036	9,841	81.6	0.25	336	12,294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	806	8,933	9,739	81.6	0.25	336	12,191
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.03	10.5	0.14	17.0	< 0.005	0.02	—	0.02	0.03	—	0.03	—	70.0	70.0	< 0.005	< 0.005	—	70.3
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	806	9,003	9,809	81.6	0.25	336	12,261
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Energy	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,433	1,433	0.15	0.02	—	1,441

Water	—	—	—	—	—	—	—	—	—	—	—	10.4	46.2	56.6	1.07	0.03	—	91.1
Waste	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7
Total	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	133	1,491	1,624	13.5	0.04	55.7	2,030

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	241	9,036	9,277	25.2	0.25	336	10,318
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	241	8,933	9,174	25.2	0.25	336	10,215

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.03	10.5	0.14	17.0	< 0.005	0.02	—	0.02	0.03	—	0.03	—	70.0	70.0	< 0.005	< 0.005	—	70.3
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	241	9,003	9,244	25.2	0.25	336	10,286
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Energy	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,433	1,433	0.15	0.02	—	1,441
Water	—	—	—	—	—	—	—	—	—	—	—	10.4	46.2	56.6	1.07	0.03	—	91.1
Waste	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7
Total	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	39.9	1,491	1,531	4.17	0.04	55.7	1,703

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00

General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00

Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00

General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00

Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00

High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,863	2,863	0.31	0.04	—	2,884

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,743	1,743	0.19	0.03	—	1,755
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.01	< 0.005	—	136
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.03	< 0.005	—	293
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	0.01	—	387
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.01	< 0.005	—	119
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	291
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,909	5,909	0.64	0.09	—	5,952
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,863	2,863	0.31	0.04	—	2,884
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,743	1,743	0.19	0.03	—	1,755

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.01	< 0.005	—	136
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.03	< 0.005	—	293
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	0.01	—	387
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.01	< 0.005	—	119
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	291
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,909	5,909	0.64	0.09	—	5,952
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	474	474	0.05	0.01	—	477
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	288	288	0.03	< 0.005	—	291
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	22.4	22.4	< 0.005	< 0.005	—	22.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	48.2	48.2	0.01	< 0.005	—	48.5

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	63.5	63.5	0.01	< 0.005	—	64.0
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1	< 0.005	< 0.005	—	10.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.14	4.14	< 0.005	< 0.005	—	4.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	19.6	19.6	< 0.005	< 0.005	—	19.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	47.9	47.9	0.01	< 0.005	—	48.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	978	978	0.11	0.01	—	985

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,863	2,863	0.31	0.04	—	2,884
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,743	1,743	0.19	0.03	—	1,755

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.01	< 0.005	—	136
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.03	< 0.005	—	293
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	0.01	—	387
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.01	< 0.005	—	119
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	291
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,909	5,909	0.64	0.09	—	5,952
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,863	2,863	0.31	0.04	—	2,884
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,743	1,743	0.19	0.03	—	1,755
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.01	< 0.005	—	136

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.03	< 0.005	—	293
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	0.01	—	387
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.01	< 0.005	—	119
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	291
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,909	5,909	0.64	0.09	—	5,952
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	474	474	0.05	0.01	—	477
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	288	288	0.03	< 0.005	—	291
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	22.4	22.4	< 0.005	< 0.005	—	22.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	48.2	48.2	0.01	< 0.005	—	48.5

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	63.5	63.5	0.01	< 0.005	—	64.0
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1	< 0.005	< 0.005	—	10.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.14	4.14	< 0.005	< 0.005	—	4.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	19.6	19.6	< 0.005	< 0.005	—	19.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	47.9	47.9	0.01	< 0.005	—	48.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	978	978	0.11	0.01	—	985

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572

Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572
Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128

Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	255
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.4	94.4	0.01	< 0.005	—	94.6
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.2
Quality Restaurant	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.4	36.4	< 0.005	< 0.005	—	36.5

High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	455	455	0.04	< 0.005	—	456

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572

Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572
Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128

Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	255
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.4	94.4	0.01	< 0.005	—	94.6
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.2
Quality Restaurant	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.4	36.4	< 0.005	< 0.005	—	36.5

High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	455	455	0.04	< 0.005	—	456

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.42	4.08	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Total	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Total	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.42	4.08	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Total	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Total	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	30.6	135	165	3.16	0.08	—	267
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	141	173	3.30	0.08	—	279
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	3.42	3.42	< 0.005	< 0.005	—	3.44
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.44	0.54	0.01	< 0.005	—	0.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	< 0.005	< 0.005	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	30.6	135	165	3.16	0.08	—	267
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	141	173	3.30	0.08	—	279
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	3.42	3.42	< 0.005	< 0.005	—	3.44
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.44	0.54	0.01	< 0.005	—	0.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	< 0.005	< 0.005	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.07	22.3	27.3	0.52	0.01	—	44.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	5.30	23.3	28.6	0.55	0.01	—	46.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.07	0.09	< 0.005	< 0.005	—	0.14
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	< 0.005	< 0.005	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	10.4	46.2	56.6	1.07	0.03	—	91.1

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	30.6	135	165	3.16	0.08	—	267
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	141	173	3.30	0.08	—	279
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	3.42	3.42	< 0.005	< 0.005	—	3.44
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.44	0.54	0.01	< 0.005	—	0.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	< 0.005	< 0.005	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	30.6	135	165	3.16	0.08	—	267
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	141	173	3.30	0.08	—	279
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	3.42	3.42	< 0.005	< 0.005	—	3.44
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.44	0.54	0.01	< 0.005	—	0.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	< 0.005	< 0.005	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.07	22.3	27.3	0.52	0.01	—	44.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	5.30	23.3	28.6	0.55	0.01	—	46.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.07	0.09	< 0.005	< 0.005	—	0.14
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	< 0.005	< 0.005	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	10.4	46.2	56.6	1.07	0.03	—	91.1

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.3	51.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.87	1.87
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.47	2.47
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.3	51.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.87	1.87
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.47	2.47
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	556,518	185,506	11,758

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	2,316,344	451	0.0489	0.0069	4,800,197
General Office Building	1,409,886	451	0.0489	0.0069	1,778,371
Health Club	109,416	451	0.0489	0.0069	399,161
Quality Restaurant	235,547	451	0.0489	0.0069	685,085
High Turnover (Sit Down Restaurant)	310,556	451	0.0489	0.0069	903,247
Other Non-Asphalt Surfaces	49,204	451	0.0489	0.0069	0.00
Recreational Swimming Pool	0.00	451	0.0489	0.0069	0.00
Parking Lot	20,224	451	0.0489	0.0069	0.00
Other Asphalt Surfaces	95,755	451	0.0489	0.0069	0.00
Enclosed Parking with Elevator	234,133	451	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	2,316,344	451	0.0489	0.0069	4,800,197
General Office Building	1,409,886	451	0.0489	0.0069	1,778,371
Health Club	109,416	451	0.0489	0.0069	399,161
Quality Restaurant	235,547	451	0.0489	0.0069	685,085
High Turnover (Sit Down Restaurant)	310,556	451	0.0489	0.0069	903,247
Other Non-Asphalt Surfaces	49,204	451	0.0489	0.0069	0.00
Recreational Swimming Pool	0.00	451	0.0489	0.0069	0.00
Parking Lot	20,224	451	0.0489	0.0069	0.00

Other Asphalt Surfaces	95,755	451	0.0489	0.0069	0.00
Enclosed Parking with Elevator	234,133	451	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	15,992,475	0.00
General Office Building	0.00	0.00
Health Club	16,707,875	0.00
Quality Restaurant	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00
Other Non-Asphalt Surfaces	0.00	521,220
Recreational Swimming Pool	52,195	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Enclosed Parking with Elevator	0.00	15,330

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	15,992,475	0.00
General Office Building	0.00	0.00
Health Club	16,707,875	0.00
Quality Restaurant	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00
Other Non-Asphalt Surfaces	0.00	521,220
Recreational Swimming Pool	52,195	0.00

Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Enclosed Parking with Elevator	0.00	15,330

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	1,379	—
General Office Building	0.00	—
Health Club	0.00	—
Quality Restaurant	0.00	—
High Turnover (Sit Down Restaurant)	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Recreational Swimming Pool	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	331	—
General Office Building	0.00	—
Health Club	0.00	—
Quality Restaurant	0.00	—
High Turnover (Sit Down Restaurant)	0.00	—
Other Non-Asphalt Surfaces	0.00	—

Recreational Swimming Pool	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat
Extreme Precipitation	7.30	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38
Toxic Releases	69.1
Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4
Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6

Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—
Bachelor's or higher	92.46759913
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717
Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167

Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044
Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3
Asthma	88.8
Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2
Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5

No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0
Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.2
Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	see operational assumptions
Characteristics: Utility Information	CO2 intensity factor linearly adjusted to account for SB100 RPS by year 2027.
Land Use	see operational assumptions
Operations: Vehicle Data	operational mobile emissions calculated outside of CalEEMod.
Operations: Architectural Coatings	see operational assumptions
Operations: Energy Use	parking lot lighting energy use added to account for general lighting. see operational assumptions.
Operations: Water and Waste Water	water usage based on Project WSA. hotel amenities' water usage total modeled in health club. parking water usage total modeled in enclosed parking.
Operations: Solid Waste	see operational assumptions. Project total solid waste modeled in hotel use.

Hilton Universal City Project

Draft EIR

3. Greenhouse Gas (GHG) Worksheets

Emissions Modeling Outputs

a) Construction

(1) Emissions Summaries

(2) Modeling Outputs

(3) Mobile Calculations

b) Operations

(1) Emissions Summaries and Miscellaneous Calculations

(2) Modeling Output - Project without GHG Reduction Measures

(3) Modeling Output - Project with GHG Reduction Measures

a) Construction

(1) Emissions Summaries

(2) Modeling Outputs

(3) Mobile Calculations

Universal Hilton

Construction Annual GHG

	Metric Tons/Year			
Year	On-Road Mobile Sources	CalEEMod	Water + Construction Office	Total
2024	1,385	1,170	8	2,563
2025	877	768	10	1,655
2026	216	209	6	431
Total	**2,478**	**2,146**	25	**4,649**
Amortized - 30 years	**83**	**72**	**1**	**155**

Universal Hilton
Construction GHG Analysis

Temporary Construction Trailer - Electricity

Land Use	Square Feet	Energy Use per KSF	Energy Use per year (kWh)	Estimated Project Construction Duration (years)	Total Energy Use (kWh)	Construction Office GHG Emissions Total	Electricity Emission Factor	Electricity Emission Factor
General Office	2,000	20468.1	40,936	2.4	99,929.19	24.00	(MT CO2/MWh)	(lbs CO2/MWh)
							0.24	526.30
							(MT CH4/MWh)	(lbs CH4/MWh)
							2.22E-05	0.0489
							(MT N2O/MWh)	(lbs N2O/MWh)
							3.13E-06	0.0069

Note: CalEEMod 2020.4.0 used to estimate energy use for temporary construction office

Universal Hilton
Construction Energy
Construction Water Energy Estimates

Park Zone	Source	Acreage/Day	Number of Days	Total Construction Water Use (Mgal)	Electricity Demand from Water Conveyance (MWh)	Annual Electricity Demand from Water Conveyance (MWh)
Hotel	Demolition	0.5	19	0.029	0.2	0.1
Hotel	Site Preparation	0.5	19	0.029	0.2	0.1
Hotel	Grading	1	60	0.180	1.2	0.5
Hotel	Trenching	0	42	0.000	0.0	0.0
Hotel	Foundations	0	78	0.000	0.0	0.0
Hotel	Paving	0	28	0.000	0.0	0.0
Hotel	Building Construction	0	468	0.000	0.0	0.0
Hotel	Architectural Coating	0	120	0.000	0.0	0.0
Garage	Demolition	0	11	0.000	0.0	0.0
Garage	Grading	0	51	0.000	0.0	0.0
Garage	Foundations	1	30	0.090	0.6	0.3
Garage	Building Construction	0	144	0.000	0.0	0.0
Garage	Architectural Coating	0	26	0.000	0.0	0.0
Garage	Paving	1.5	13	0.059	0.4	0.2
Total				**0.386**	**2.6**	**1.1**

CalEEMod Water Electricity Factors	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	3044	725	1537	1501

Construction Water
0.63

Electricity Emission (MT CO2e/MWh)	Electricity Emission (lbs CO2e/MWh)
0.24	526.30
(MT CH4/MWh)	**(lbs CH4/MWh)**
2.22E-05	0.0489
(MT N2O/MWh)	**(lbs N2O/MWh)**
3.13E-06	0.0069

Sources and Assumptions:

CalEEMod Appendix A, Pg. 8, based on given piece of equipment can pass over in an 8-hour workday

-Electricity Intensity Factors - California Emissions Estimator Model (CalEEMod).

-Estimated construction water use assumed to be generally equivalent to landscape irrigation, based on a factor of 20.94 gallons per year per square foot of landscaped area within the Los Angeles area (Mediterranean climate), which assumes high water demand landscaping materials and an irrigation system efficiency of 85%. Factor is therefore (20.94 GAL/SF/year) x (43,560 SF/acre) / (365 days/year) / (0.85) = 2,940 gallons/acre/day, rounded up to 3,000 gallons/acre/day. (U.S. Department of Energy, Energy Efficiency & Renewable Energy, Federal Energy Management Program. "Guidelines for Estimating Unmetered Landscaping Water Use." July 2010. Page 12, Table 4 - Annual Irrigation Factor – Landscaped Areas with High Water Requirements).

Hilton - Garage Site
Total Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	(MT/yr) Total CO2e	
Demolition	2024																
Total Haul Trips	16																
Hauling	2	8	8	30	15	0.01	0.30	0.15	0.00	0.06	0.00	0.06	0.01	0.00	0.02	0.83	
Vendor	0	11	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	11	8	18.5	0	0.14	0.16	2.05	0.00	0.52	0.00	0.52	0.13	0.00	0.13	2.53	
					Total	0.14	0.46	2.20	0.01	0.57	0.01	0.58	0.14	0.01	0.15		3.36
Grading	2024																
Total Haul Trips	6,418																
Hauling	200	33	8	30	15	0.69	30.22	14.83	0.20	5.52	0.32	5.85	1.47	0.31	1.78	335.08	
Vendor	0	51	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	30	51	8	18.5	0	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10	8.79	
					Total	0.79	30.34	16.37	0.20	5.91	0.33	6.24	1.57	0.31	1.88		343.87
Foundations	2024																
Total Haul Trips	1,500																
Hauling	60	25	8	20	15	0.19	6.77	3.74	0.04	1.10	0.07	1.17	0.29	0.06	0.36	53.66	
Vendor	0	30	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	50	30	8	18.5	0	0.17	0.19	2.56	0.01	0.65	0.00	0.65	0.16	0.00	0.16	8.62	
					Total	0.36	6.96	6.31	0.05	1.75	0.07	1.82	0.45	0.07	0.52		62.27
Building Construction	2024																
Total Haul Trips	0																
Hauling	0	144	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	12	144	8	10.2	15	0.03	0.78	0.55	0.00	0.10	0.00	0.11	0.03	0.00	0.03	30.57	
Worker	90	144	8	18.5	0	0.31	0.35	4.61	0.01	1.16	0.01	1.17	0.29	0.01	0.30	74.47	
					Total	0.34	1.13	5.16	0.02	1.27	0.01	1.28	0.32	0.01	0.33		105.04
Paving	2024																
Total Haul Trips	0																
Hauling	0	13	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	13	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	30	13	8	18.5	0	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10	2.24	
					Total	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10		2.24
Architectural Coatings	2024																
Total Haul Trips	0																
Hauling	0	26	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	26	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	20	26	8	18.5	0	0.07	0.08	1.02	0.00	0.26	0.00	0.26	0.06	0.00	0.07	2.99	
					Total	0.07	0.08	1.02	0.00	0.26	0.00	0.26	0.06	0.00	0.07		2.99

Hilton - Garage Site
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
2024	2024Hauling Hauling	0.01506835	1.736594392	0.53415245	0.01416079	0.0242504	0.02319665	1559.36414	0.08218565	0.24859598
2024	2024Vendor Vendor	0.01969384	1.266700708	0.44120439	0.01277308	0.01665469	0.01592783	1377.97499	0.04535619	0.19361282
2024	2024Worker Worker	0.01832772	0.079436569	1.06108625	0.00300255	0.00168421	0.00155002	303.73836	0.00437904	0.00668737
2025	2025Hauling Hauling	0.01437944	1.662749972	0.51520497	0.01390779	0.02389452	0.02285639	1532.44355	0.07834145	0.24434833
2025	2025Vendor Vendor	0.01760775	1.192913115	0.40524391	0.01255696	0.0160024	0.01530399	1355.54323	0.04334823	0.19105447
2025	2025Worker Worker	0.01639808	0.071550735	0.98587189	0.00292026	0.00160066	0.00147299	295.413817	0.00395768	0.00621482
2026	2026Hauling Hauling	0.01376405	1.595849109	0.49695887	0.01364807	0.02370376	0.02267409	1504.81428	0.07447891	0.23998519
2026	2026Vendor Vendor	0.01588145	1.125637812	0.37555792	0.01233428	0.01550079	0.01482427	1332.37984	0.04136649	0.18835672
2026	2026Worker Worker	0.01474423	0.064876665	0.92148333	0.00284763	0.00151768	0.00139649	288.065796	0.00359651	0.00581535
2027	2027Hauling Hauling	0.01322008	1.536397393	0.47417014	0.01337135	0.02376842	0.02273616	1474.76922	0.06997872	0.23521638
2027	2027Vendor Vendor	0.01440232	1.064732037	0.34654864	0.0120909	0.01519791	0.0145347	1306.68278	0.03905997	0.18528831
2027	2027Worker Worker	0.0132844	0.05897072	0.863434	0.00278193	0.00142337	0.00130945	281.41861	0.00327875	0.00546182
0	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	16													
Hauling	2	8	8	30	0.00	0.23	0.07	0.00	0.00	0.00	0.75	0.00	0.04	0.79
Vendor	0	11	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	11	8	18.5	0.03	0.13	1.73	0.00	0.00	0.00	2.47	0.00	0.02	2.49
Grading	2024													
Total Haul Trips	6418													
Hauling	200	33	8	30	0.20	22.97	7.07	0.19	0.32	0.31	300.24	0.40	14.26	314.90
Vendor	0	51	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	51	8	18.5	0.02	0.10	1.30	0.00	0.00	0.00	8.60	0.00	0.06	8.66
Foundations	2024													
Total Haul Trips	1500													
Hauling	60	25	8	20	0.04	4.59	1.41	0.04	0.06	0.06	46.78	0.06	2.22	49.07
Vendor	0	30	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	50	30	8	18.5	0.04	0.16	2.16	0.01	0.00	0.00	8.43	0.00	0.06	8.49
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	144	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	12	144	8	10.2	0.01	0.34	0.12	0.00	0.00	0.00	24.29	0.02	1.02	25.32
Worker	90	144	8	18.5	0.07	0.29	3.89	0.01	0.01	0.01	72.82	0.03	0.48	73.33
Paving	2024													
Total Haul Trips	0													
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	13	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	13	8	18.5	0.02	0.10	1.30	0.00	0.00	0.00	2.19	0.00	0.01	2.21
Architectural Coatings	2024													
Total Haul Trips	0													
Hauling	0	26	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	26	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	26	8	18.5	0.01	0.06	0.87	0.00	0.00	0.00	2.92	0.00	0.02	2.94

Hilton - Garage Site
Start Emissions

		Start Emissions Factor (grams/trip)						Start Emissions Factor (grams/trip)		
2024	2024Hauling Hauling	0.0011779	2.678708512	0.00389032	4.7141E-07	1.2281E-06	1.1292E-06	0.04768432	8.0483E-08	1.77648E-05
2024	2024Vendor Vendor	0.08333227	1.993917438	0.65284372	5.8118E-05	6.419E-05	5.902E-05	5.8787779	0.00580097	0.004228255
2024	2024Worker Worker	1.20444152	0.294577037	3.61543143	0.00074914	0.00232654	0.00213919	75.777476	0.07927821	0.033955746
2025	2025Hauling Hauling	0.00088032	2.695280078	0.003513	3.8852E-07	8.9928E-07	8.2685E-07	0.03929983	7.6836E-08	1.28799E-05
2025	2025Vendor Vendor	0.07698467	2.002911282	0.60569303	5.5181E-05	5.9944E-05	5.5116E-05	5.581741	0.00545549	0.004028667
2025	2025Worker Worker	1.14241787	0.277426329	3.38235251	0.0007283	0.00223347	0.0020536	73.6698428	0.07431993	0.032773007
2026	2026Hauling Hauling	0.00059398	2.700584219	0.00281799	3.0727E-07	5.7683E-07	5.3038E-07	0.03108176	7.3659E-08	6.71372E-06
2026	2026Vendor Vendor	0.07223774	2.002754741	0.56331633	5.2474E-05	5.6738E-05	5.2169E-05	5.30785243	0.00514398	0.003831506
2026	2026Worker Worker	1.08211637	0.26253092	3.17302049	0.00070897	0.00214224	0.00196971	71.7140515	0.06981292	0.031730685
2027	2027Hauling Hauling	0.00048631	2.684459969	0.00257919	2.6488E-07	4.4098E-07	4.0546E-07	0.02679352	6.691E-08	5.70925E-06
2027	2027Vendor Vendor	0.06781194	1.987864891	0.52445847	4.9854E-05	5.3874E-05	4.9535E-05	5.04289677	0.00484902	0.003638759
2027	2027Worker Worker	1.03400381	0.249591845	2.98593445	0.00069112	0.00203955	0.00187529	69.9090072	0.06574916	0.030824112
	GWP		N/A					1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	16													
Hauling	2	8	8	30	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	11	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	11	8	18.5	0.11	0.03	0.32	0.00	0.00	0.00	0.03	0.00	0.00	0.04
Grading	2024													
Total Haul Trips	6418													
Hauling	200	33	8	30	0.00	1.18	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.75
Vendor	0	51	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	51	8	18.5	0.08	0.02	0.24	0.00	0.00	0.00	0.12	0.00	0.00	0.13
Foundations	2024													
Total Haul Trips	1500													
Hauling	60	25	8	20	0.00	0.35	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.18
Vendor	0	30	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	50	30	8	18.5	0.13	0.03	0.40	0.00	0.00	0.00	0.11	0.00	0.00	0.13
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	144	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	12	144	8	10.2	0.00	0.05	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.01
Worker	90	144	8	18.5	0.24	0.06	0.72	0.00	0.00	0.00	0.98	0.00	0.00	1.14
Paving	2024													
Total Haul Trips	0													
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	13	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	13	8	18.5	0.08	0.02	0.24	0.00	0.00	0.00	0.03	0.00	0.00	0.03
Architectural Coatings	2024													
Total Haul Trips	0													
Hauling	0	26	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	26	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	26	8	18.5	0.05	0.01	0.16	0.00	0.00	0.00	0.04	0.00	0.00	0.05

Hilton - Garage Site
Idling Emissions

		Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
2024	2024Hauling Hauling	0.07437494	0.917247169	1.17434618	0.00164618	0.00051387	0.00049064	186.584742	0.03775081	0.02998659
2024	2024Vendor Vendor	0.05574475	0.97932101	1.04113291	0.00173608	0.0012437	0.00118901	192.388064	0.03141797	0.03004254
2024	2024Worker Worker	0	0	0	0	0	0	0	0	0
2025	2025Hauling Hauling	0.07384779	0.89374484	1.16956773	0.00160816	0.00048966	0.00046743	182.629841	0.03706445	0.02936626
2025	2025Vendor Vendor	0.05473595	0.945594456	1.03541301	0.0017095	0.0010667	0.00101961	189.759873	0.0312874	0.02966936
2025	2025Worker Worker	0	0	0	0	0	0	0	0	0
2026	2026Hauling Hauling	0.07332853	0.869309923	1.16475746	0.00157132	0.00046695	0.00044566	178.812761	0.03647035	0.02876828
2026	2026Vendor Vendor	0.05380566	0.910252493	1.02948272	0.0016821	0.00091601	0.0008754	187.036763	0.03115768	0.02927823
2026	2026Worker Worker	0	0	0	0	0	0	0	0	0
2027	2027Hauling Hauling	0.07278869	0.845464481	1.15904257	0.00153493	0.00044772	0.00042721	175.004083	0.0358482	0.02816981
2027	2027Vendor Vendor	0.05290284	0.875701259	1.02205631	0.00165228	0.00079151	0.00075624	184.0218	0.03096952	0.0288389
2027	2027Worker Worker	0	0	0	0	0	0	0	0	0
	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	16													
Hauling	2	8	8	15	0.00	0.06	0.08	0.00	0.00	0.00	0.04	0.00	0.00	0.05
Vendor	0	11	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	11	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2024													
Total Haul Trips	6418													
Hauling	200	33	8	15	0.49	6.07	7.77	0.01	0.00	0.00	18.47	0.09	0.86	19.43
Vendor	0	51	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	51	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Foundations	2024													
Total Haul Trips	1500													
Hauling	60	25	8	15	0.15	1.82	2.33	0.00	0.00	0.00	4.20	0.02	0.20	4.42
Vendor	0	30	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	50	30	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	144	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	12	144	8	15	0.02	0.39	0.41	0.00	0.00	0.00	4.99	0.02	0.23	5.23
Worker	90	144	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	2024													
Total Haul Trips	0													
Hauling	0	13	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	13	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	13	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coatings	2024													
Total Haul Trips	0													
Hauling	0	26	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	26	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	26	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hilton - Garage Site

Road Dust, Break Wear, and Tire wear Emissions

		Emission Factors (grams/mile)					
		PM10			PM2.5		
2024	2024Hauling Hauling	0.29984991	0.082315236	0.03527902	0.07359952	0.02881033	0.00881975
2024	2024Vendor Vendor	0.29984991	0.062716793	0.02363951	0.07359952	0.02195088	0.00590988
2024	2024Worker Worker	0.29984991	0.009001983	0.008	0.07359952	0.00315069	0.002
2025	2025Hauling Hauling	0.29984991	0.082193524	0.03528459	0.07359952	0.02876773	0.00882115
2025	2025Vendor Vendor	0.29984991	0.062593489	0.02364229	0.07359952	0.02190772	0.00591057
2025	2025Worker Worker	0.29984991	0.008968156	0.008	0.07359952	0.00313885	0.002
2026	2026Hauling Hauling	0.29984991	0.082405307	0.03529039	0.07359952	0.02884186	0.0088226
2026	2026Vendor Vendor	0.29984991	0.062625784	0.02364519	0.07359952	0.02191902	0.0059113
2026	2026Worker Worker	0.29984991	0.008948145	0.008	0.07359952	0.00313185	0.002
2027	2027Hauling Hauling	0.29984991	0.082414193	0.03529623	0.07359952	0.02884497	0.00882406
2027	2027Vendor Vendor	0.29984991	0.062505591	0.02364812	0.07359952	0.02187696	0.00591203
2027	2027Worker Worker	0.29984991	0.008900193	0.008	0.07359952	0.00311507	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
Demolition	2024									
Total Haul Trips	16				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Hauling	2	8	8	30	0.04	0.01	0.00	0.01	0.00	0.00
Vendor	0	11	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	11	8	18.5	0.49	0.01	0.01	0.12	0.01	0.00
Grading	2024									
Total Haul Trips	6418									
Hauling	200	33	8	30	3.97	1.09	0.47	0.97	0.38	0.12
Vendor	0	51	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	51	8	18.5	0.37	0.01	0.01	0.09	0.00	0.00
Foundations	2024									
Total Haul Trips	1500									
Hauling	60	25	8	20	0.79	0.22	0.09	0.19	0.08	0.02
Vendor	0	30	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	50	30	8	18.5	0.61	0.02	0.02	0.15	0.01	0.00
Building Construction	2024									
Total Haul Trips	0									
Hauling	0	144	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	12	144	8	10.2	0.08	0.02	0.01	0.02	0.01	0.00
Worker	90	144	8	18.5	1.10	0.03	0.03	0.27	0.01	0.01
Paving	2024									
Total Haul Trips	0									
Hauling	0	13	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	13	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	13	8	18.5	0.37	0.01	0.01	0.09	0.00	0.00
Architectural Coatings	2024									
Total Haul Trips	0									
Hauling	0	26	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	26	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	26	8	18.5	0.24	0.01	0.01	0.06	0.00	0.00

Hilton
Road Dust

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\,(sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
sL =	road surface silt loading (g/m^2)
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\,(\,s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:

SCAQMD, CalEEMod, Version 2011.1.

CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).

USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).

PCR Services Corporation, 2013.

Hilton - Hotel Site

Total Emissions

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	(MT/yr) Total CO2e	
Demolition	2024																
Total Haul Trips	772																
Hauling	42	19	8	30	15	0.15	6.35	3.12	0.04	1.16	0.07	1.23	0.31	0.07	0.37	40.14	
Vendor	0	19	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	19	8	18.5	0	0.14	0.16	2.05	0.00	0.52	0.00	0.52	0.13	0.00	0.13	4.37	
					Total	0.28	6.50	5.17	0.05	1.68	0.07	1.75	0.44	0.07	0.51		44.50
Site Preparation	2024																
Total Haul Trips	18																
Hauling	2	9	8	30	15	0.01	0.30	0.15	0.00	0.06	0.00	0.06	0.01	0.00	0.02	0.94	
Vendor	0	19	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	20	19	8	18.5	0	0.07	0.08	1.02	0.00	0.26	0.00	0.26	0.06	0.00	0.07	2.18	
					Total	0.07	0.38	1.17	0.00	0.31	0.00	0.32	0.08	0.00	0.08		3.12
Grading	2024																
Total Haul Trips	5,184																
Hauling	200	26	8	30	15	0.69	30.22	14.83	0.20	5.52	0.32	5.85	1.47	0.31	1.78	270.26	
Vendor	0	60	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	60	8	18.5	0	0.14	0.16	2.05	0.00	0.52	0.00	0.52	0.13	0.00	0.13	13.79	
					Total	0.83	30.37	16.88	0.20	6.04	0.33	6.37	1.60	0.31	1.91		284.05
Trenching	2024																
Total Haul Trips	0																
Hauling	0	42	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	42	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	16	42	8	18.5	0	0.05	0.06	0.82	0.00	0.21	0.00	0.21	0.05	0.00	0.05	3.86	
					Total	0.05	0.06	0.82	0.00	0.21	0.00	0.21	0.05	0.00	0.05		3.86
Foundations	2024																
Total Haul Trips	378																
Hauling	200	2	12	20	15	0.63	22.56	12.48	0.14	3.68	0.22	3.90	0.98	0.21	1.19	13.59	
Vendor	0	2	12	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	96	2	12	18.5	0	0.33	0.37	4.92	0.01	1.24	0.01	1.25	0.31	0.01	0.31	1.10	
					Total	0.95	22.94	17.40	0.15	4.92	0.22	5.15	1.29	0.21	1.50		14.69
Foundations	2024																
Total Haul Trips	6,200																
Hauling	100	62	8	20	15	0.31	11.28	6.24	0.07	1.84	0.11	1.95	0.49	0.10	0.59	221.78	
Vendor	0	76	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	96	76	8	18.5	0	0.33	0.37	4.92	0.01	1.24	0.01	1.25	0.31	0.01	0.31	41.92	
					Total	0.64	11.65	11.16	0.08	3.08	0.12	3.20	0.80	0.11	0.91		263.70
Building Construction	2024																
Total Haul Trips	0																
Hauling	0	86	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	84	86	8	10.2	15	0.21	5.48	3.85	0.03	0.73	0.03	0.76	0.19	0.03	0.23	127.80	
Worker	240	86	8	18.5	0	0.82	0.93	12.30	0.03	3.10	0.02	3.12	0.77	0.02	0.79	118.60	
					Total	1.02	6.42	16.15	0.06	3.83	0.05	3.88	0.96	0.05	1.01		246.40
Building Construction	2025																
Total Haul Trips	0																
Hauling	0	313	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	84	313	8	10.2	15	0.20	5.25	3.75	0.03	0.73	0.03	0.76	0.19	0.03	0.22	457.81	
Worker	240	313	8	18.5	0	0.76	0.85	11.44	0.03	3.10	0.02	3.12	0.77	0.02	0.79	419.66	
					Total	0.96	6.10	15.19	0.06	3.83	0.05	3.88	0.96	0.05	1.01		877.47
Building Construction	2026																
Total Haul Trips	0																
Hauling	0	69	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	84	69	8	10.2	15	0.19	5.03	3.67	0.03	0.73	0.03	0.76	0.19	0.03	0.22	99.25	
Worker	240	69	8	18.5	0	0.72	0.77	10.70	0.03	3.10	0.02	3.12	0.77	0.01	0.79	90.18	
					Total	0.91	5.80	14.37	0.06	3.83	0.05	3.88	0.96	0.05	1.01		189.44
Paving	2024																
Total Haul Trips	0																
Hauling	0	28	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	28	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	30	28	8	18.5	0	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10	4.83	
					Total	0.10	0.12	1.54	0.00	0.39	0.00	0.39	0.10	0.00	0.10		4.83
Architectural Coating	2026																
Total Haul Trips	0																
Hauling	0	120	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	120	8	10.2	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	40	120	8	18.5	0	0.12	0.13	1.78	0.00	0.52	0.00	0.52	0.13	0.00	0.13	26.14	

Hilton - Hotel Site
Running Emissions

		Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)		
2024	2024Hauling Hauling	0.01506835	1.736594392	0.53415245	0.01416079	0.0242504	0.02319665	1559.36414	0.08218565	0.24859598
2024	2024Vendor Vendor	0.01969384	1.266700708	0.44120439	0.01277308	0.01665469	0.01592783	1377.97499	0.04535619	0.19361282
2024	2024Worker Worker	0.01832772	0.079436569	1.06108625	0.00300255	0.00168421	0.00155002	303.73836	0.00437904	0.00668737
2025	2025Hauling Hauling	0.01437944	1.662749972	0.51520497	0.01390779	0.02389452	0.02285639	1532.44355	0.07834145	0.24434833
2025	2025Vendor Vendor	0.01760775	1.192913115	0.40524391	0.01255696	0.0160024	0.01530399	1355.54323	0.04334823	0.19105447
2025	2025Worker Worker	0.01639808	0.071550735	0.98587189	0.00292026	0.00160066	0.00147299	295.413817	0.00395768	0.00621482
2026	2026Hauling Hauling	0.01376405	1.595849109	0.49695887	0.01364807	0.02370376	0.02267409	1504.81428	0.07447891	0.23998519
2026	2026Vendor Vendor	0.01588145	1.125637812	0.37555792	0.01233428	0.01550079	0.01482427	1332.37984	0.04136649	0.18835672
2026	2026Worker Worker	0.01474423	0.064876665	0.92148333	0.00284763	0.00151768	0.00139649	288.065796	0.00359651	0.00581535
2027	2027Hauling Hauling	0.01322008	1.536397393	0.47417014	0.01337135	0.02376842	0.02273616	1474.76922	0.06997872	0.23521638
2027	2027Vendor Vendor	0.01440232	1.064732037	0.34654864	0.0120909	0.01519791	0.0145347	1306.68278	0.03905997	0.18528831
2027	2027Worker Worker	0.0132844	0.05897072	0.863434	0.00278193	0.00142337	0.00130945	281.41861	0.00327875	0.00546182
0	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	772													
Hauling	42	19	8	30	0.04	4.82	1.48	0.04	0.07	0.06	36.11	0.05	1.72	37.88
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	19	8	18.5	0.03	0.13	1.73	0.00	0.00	0.00	4.27	0.00	0.03	4.30
Site Preparation	2024													
Total Haul Trips	18													
Hauling	2	9	8	30	0.00	0.23	0.07	0.00	0.00	0.00	0.84	0.00	0.04	0.88
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	19	8	18.5	0.01	0.06	0.87	0.00	0.00	0.00	2.14	0.00	0.01	2.15
Grading	2024													
Total Haul Trips	5184													
Hauling	200	26	8	30	0.20	22.97	7.07	0.19	0.32	0.31	242.51	0.32	11.52	254.35
Vendor	0	60	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	60	8	18.5	0.03	0.13	1.73	0.00	0.00	0.00	13.49	0.00	0.09	13.58
Trenching	2024													
Total Haul Trips	0													
Hauling	0	42	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	42	8	18.5	0.01	0.05	0.69	0.00	0.00	0.00	3.78	0.00	0.02	3.80
Foundations	2024													
Total Haul Trips	378													
Hauling	200	2	12	20	0.13	15.31	4.71	0.12	0.21	0.20	11.79	0.02	0.56	12.36
Vendor	0	2	12	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	2	12	18.5	0.07	0.31	4.15	0.01	0.01	0.01	1.08	0.00	0.01	1.09
Foundations	2024													
Total Haul Trips	6200													
Hauling	100	62	8	20	0.07	7.66	2.36	0.06	0.11	0.10	193.36	0.25	9.19	202.80
Vendor	0	76	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	76	8	18.5	0.07	0.31	4.15	0.01	0.01	0.01	41.00	0.01	0.27	41.28
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	86	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	86	8	10.2	0.04	2.39	0.83	0.02	0.03	0.03	101.54	0.08	4.25	105.87
Worker	240	86	8	18.5	0.18	0.78	10.39	0.03	0.02	0.02	115.98	0.04	0.76	116.78
Building Construction	2025													
Total Haul Trips	0													
Hauling	0	313	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	313	8	10.2	0.03	2.25	0.77	0.02	0.03	0.03	363.53	0.29	15.27	379.09
Worker	240	313	8	18.5	0.16	0.70	9.65	0.03	0.02	0.01	410.54	0.14	2.57	413.25
Building Construction	2026													
Total Haul Trips	0													
Hauling	0	69	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	69	8	10.2	0.03	2.13	0.71	0.02	0.03	0.03	78.77	0.06	3.32	82.15
Worker	240	69	8	18.5	0.14	0.64	9.02	0.03	0.01	0.01	88.25	0.03	0.53	88.81
Paving	2024													
Total Haul Trips	0													
Hauling	0	28	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	28	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	28	8	18.5	0.02	0.10	1.30	0.00	0.00	0.00	4.72	0.00	0.03	4.75
Architectural Coating	2026													
Total Haul Trips	0													
Hauling	0	120	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	120	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	120	8	18.5	0.02	0.11	1.50	0.00	0.00	0.00	25.58	0.01	0.15	25.74

Hilton - Hotel Site
Start Emissions

		Start Emissions Factor (grams/trip)						Start Emissions Factor (grams/trip)		
2024	2024Hauling Hauling	0.0011779	2.678708512	0.00389032	4.7141E-07	1.2281E-06	1.1292E-06	0.04768432	8.0483E-08	1.77648E-05
2024	2024Vendor Vendor	0.08333227	1.993917438	0.65284372	5.8118E-05	6.419E-05	5.902E-05	5.8787779	0.00580097	0.004228255
2024	2024Worker Worker	1.20444152	0.294577037	3.61543143	0.00074914	0.00232654	0.00213919	75.777476	0.07927821	0.033955746
2025	2025Hauling Hauling	0.00088032	2.695280078	0.003513	3.8852E-07	8.9928E-07	8.2685E-07	0.03929983	7.6836E-08	1.28799E-05
2025	2025Vendor Vendor	0.07698467	2.002911282	0.60569303	5.5181E-05	5.9944E-05	5.5116E-05	5.581741	0.00545549	0.004028667
2025	2025Worker Worker	1.14241787	0.277426329	3.38235251	0.0007283	0.00223347	0.0020536	73.6698428	0.07431993	0.032773007
2026	2026Hauling Hauling	0.00059398	2.700584219	0.00281799	3.0727E-07	5.7683E-07	5.3038E-07	0.03108176	7.3659E-08	6.71372E-06
2026	2026Vendor Vendor	0.07223774	2.002754741	0.56331633	5.2474E-05	5.6738E-05	5.2169E-05	5.30785243	0.00514398	0.003831506
2026	2026Worker Worker	1.08211637	0.26253092	3.17302049	0.00070897	0.00214224	0.00196971	71.7140515	0.06981292	0.031730685
2027	2027Hauling Hauling	0.00048631	2.684459969	0.00257919	2.6488E-07	4.4098E-07	4.0546E-07	0.02679352	6.691E-08	5.70925E-06
2027	2027Vendor Vendor	0.06781194	1.987864891	0.52445847	4.9854E-05	5.3874E-05	4.9535E-05	5.04289677	0.00484902	0.003638759
2027	2027Worker Worker	1.03400381	0.249591845	2.98593445	0.00069112	0.00203955	0.00187529	69.9090072	0.06574916	0.030824112
	GWP		N/A					1	25	298

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	772													
Hauling	42	19	8	30	0.00	0.25	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.09
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	19	8	18.5	0.11	0.03	0.32	0.00	0.00	0.00	0.06	0.00	0.00	0.07
Site Preparation	2024													
Total Haul Trips	18													
Hauling	2	9	8	30	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	19	8	18.5	0.05	0.01	0.16	0.00	0.00	0.00	0.03	0.00	0.00	0.03
Grading	2024													
Total Haul Trips	5184													
Hauling	200	26	8	30	0.00	1.18	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.61
Vendor	0	60	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	60	8	18.5	0.11	0.03	0.32	0.00	0.00	0.00	0.18	0.00	0.00	0.21
Trenching	2024													
Total Haul Trips	0													
Hauling	0	42	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	42	8	18.5	0.04	0.01	0.13	0.00	0.00	0.00	0.05	0.00	0.00	0.06
Foundations	2024													
Total Haul Trips	378													
Hauling	200	2	12	20	0.00	1.18	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
Vendor	0	2	12	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	2	12	18.5	0.25	0.06	0.77	0.00	0.00	0.00	0.01	0.00	0.00	0.02
Foundations	2024													
Total Haul Trips	6200													
Hauling	100	62	8	20	0.00	0.59	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.72
Vendor	0	76	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	76	8	18.5	0.25	0.06	0.77	0.00	0.00	0.00	0.55	0.00	0.00	0.64
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	86	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	86	8	10.2	0.02	0.37	0.12	0.00	0.00	0.00	0.04	0.00	0.00	0.05
Worker	240	86	8	18.5	0.64	0.16	1.91	0.00	0.00	0.00	1.56	0.00	0.00	1.81
Building Construction	2025													
Total Haul Trips	0													
Hauling	0	313	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	313	8	10.2	0.01	0.37	0.11	0.00	0.00	0.00	0.15	0.00	0.00	0.18
Worker	240	313	8	18.5	0.60	0.15	1.79	0.00	0.00	0.00	5.53	0.01	0.00	6.41
Building Construction	2026													
Total Haul Trips	0													
Hauling	0	69	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	69	8	10.2	0.01	0.37	0.10	0.00	0.00	0.00	0.03	0.00	0.00	0.04
Worker	240	69	8	18.5	0.57	0.14	1.68	0.00	0.00	0.00	1.19	0.00	0.00	1.37
Paving	2024													
Total Haul Trips	0													
Hauling	0	28	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	28	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	28	8	18.5	0.08	0.02	0.24	0.00	0.00	0.00	0.06	0.00	0.00	0.07
Architectural Coating	2026													
Total Haul Trips	0													
Hauling	0	120	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	120	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	120	8	18.5	0.10	0.02	0.28	0.00	0.00	0.00	0.34	0.00	0.00	0.40

Hilton - Hotel Site
Idling Emissions

		Idling Emissions Factor (grams/minute)						Idling Emissions Factor (grams/minute)		
2024	2024Hauling Hauling	0.07437494	0.917247169	1.17434618	0.00164618	0.00051387	0.00049064	186.584742	0.03775081	0.02998659
2024	2024Vendor Vendor	0.05574475	0.97932101	1.04113291	0.00173608	0.0012437	0.00118901	192.388064	0.03141797	0.03004254
2024	2024Worker Worker	0	0	0	0	0	0	0	0	0
2025	2025Hauling Hauling	0.07384779	0.89374484	1.16956773	0.00160816	0.00048966	0.00046743	182.629841	0.03706445	0.02936626
2025	2025Vendor Vendor	0.05473595	0.945594456	1.03541301	0.0017095	0.0010667	0.00101961	189.759873	0.0312874	0.02966936
2025	2025Worker Worker	0	0	0	0	0	0	0	0	0
2026	2026Hauling Hauling	0.07332853	0.869309923	1.16475746	0.00157132	0.00046695	0.00044566	178.812761	0.03647035	0.02876828
2026	2026Vendor Vendor	0.05380566	0.910252493	1.02948272	0.0016821	0.00091601	0.0008754	187.036763	0.03115768	0.02927823
2026	2026Worker Worker	0	0	0	0	0	0	0	0	0
2027	2027Hauling Hauling	0.07278869	0.845464481	1.15904257	0.00153493	0.00044772	0.00042721	175.004083	0.0358482	0.02816981
2027	2027Vendor Vendor	0.05290284	0.875701259	1.02205631	0.00165228	0.00079151	0.00075624	184.0218	0.03096952	0.0288389
2027	2027Worker Worker	0	0	0	0	0	0	0	0	0
	GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2024													
Total Haul Trips	772													
Hauling	42	19	8	15	0.10	1.27	1.63	0.00	0.00	0.00	2.16	0.00	0.01	2.17
Vendor	0	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	19	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	2024													
Total Haul Trips	18													
Hauling	2	9	8	15	0.00	0.06	0.08	0.00	0.00	0.00	0.05	0.00	0.00	0.05
Vendor	0	19	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	19	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	2024													
Total Haul Trips	5184													
Hauling	200	26	8	15	0.49	6.07	7.77	0.01	0.00	0.00	14.55	0.07	0.68	15.31
Vendor	0	60	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	60	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	2024													
Total Haul Trips	0													
Hauling	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	42	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	42	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Foundations	2024													
Total Haul Trips	378													
Hauling	200	2	12	15	0.49	6.07	7.77	0.01	0.00	0.00	1.12	0.01	0.05	1.18
Vendor	0	2	12	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	2	12	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Foundations	2024													
Total Haul Trips	6200													
Hauling	100	62	8	15	0.25	3.03	3.88	0.01	0.00	0.00	17.35	0.09	0.81	18.25
Vendor	0	76	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	76	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2024													
Total Haul Trips	0													
Hauling	0	86	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	86	8	15	0.15	2.72	2.89	0.00	0.00	0.00	20.85	0.09	0.94	21.88
Worker	240	86	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2025													
Total Haul Trips	0													
Hauling	0	313	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	313	8	15	0.15	2.63	2.88	0.00	0.00	0.00	74.84	0.31	3.39	78.54
Worker	240	313	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	2026													
Total Haul Trips	0													
Hauling	0	69	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	69	8	15	0.15	2.53	2.86	0.00	0.00	0.00	16.26	0.07	0.74	17.07
Worker	240	69	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	2024													
Total Haul Trips	0													
Hauling	0	28	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	28	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	28	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	2026													
Total Haul Trips	0													
Hauling	0	120	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	120	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	120	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hilton - Hotel Site
Road Dust, Break Wear, and Tire wear Emissions

		Emission Factors (grams/mile)					
		PM10			PM2.5		
2024	2024Hauling Hauling	0.2998499	0.082315236	0.035279	0.0735995	0.0288103	0.0088198
2024	2024Vendor Vendor	0.2998499	0.062716793	0.0236395	0.0735995	0.0219509	0.0059099
2024	2024Worker Worker	0.2998499	0.009001983	0.008	0.0735995	0.0031507	0.002
2025	2025Hauling Hauling	0.2998499	0.082193524	0.0352846	0.0735995	0.0287677	0.0088211
2025	2025Vendor Vendor	0.2998499	0.062593489	0.0236423	0.0735995	0.0219077	0.0059106
2025	2025Worker Worker	0.2998499	0.008968156	0.008	0.0735995	0.0031389	0.002
2026	2026Hauling Hauling	0.2998499	0.082405307	0.0352904	0.0735995	0.0288419	0.0088226
2026	2026Vendor Vendor	0.2998499	0.062625784	0.0236452	0.0735995	0.021919	0.0059113
2026	2026Worker Worker	0.2998499	0.008948145	0.008	0.0735995	0.0031319	0.002
2027	2027Hauling Hauling	0.2998499	0.082414193	0.0352962	0.0735995	0.028845	0.0088241
2027	2027Vendor Vendor	0.2998499	0.062505591	0.0236481	0.0735995	0.021877	0.005912
2027	2027Worker Worker	0.2998499	0.008900193	0.008	0.0735995	0.0031151	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) PM10 RD	PM10 BW	PM10 TW	PM2.5 RD	PM2.5 BW	PM2.5 TW
Demolition	2024									
Total Haul Trips	772				#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Hauling	42	19	8	30	0.83	0.23	0.10	0.20	0.08	0.02
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	19	8	18.5	0.49	0.01	0.01	0.12	0.01	0.00
Site Preparation	2024									
Total Haul Trips	18									
Hauling	2	9	8	30	0.04	0.01	0.00	0.01	0.00	0.00
Vendor	0	19	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	19	8	18.5	0.24	0.01	0.01	0.06	0.00	0.00
Grading	2024									
Total Haul Trips	5184									
Hauling	200	26	8	30	3.97	1.09	0.47	0.97	0.38	0.12
Vendor	0	60	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	60	8	18.5	0.49	0.01	0.01	0.12	0.01	0.00
Trenching	2024									
Total Haul Trips	0									
Hauling	0	42	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	42	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	42	8	18.5	0.20	0.01	0.01	0.05	0.00	0.00
Foundations	2024									
Total Haul Trips	378									
Hauling	200	2	12	20	2.64	0.73	0.31	0.65	0.25	0.08
Vendor	0	2	12	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	2	12	18.5	1.17	0.04	0.03	0.29	0.01	0.01
Foundations	2024									
Total Haul Trips	6200									
Hauling	100	62	8	20	1.32	0.36	0.16	0.32	0.13	0.04
Vendor	0	76	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	96	76	8	18.5	1.17	0.04	0.03	0.29	0.01	0.01
Building Construction	2024									
Total Haul Trips	0									
Hauling	0	86	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	86	8	10.2	0.57	0.12	0.04	0.14	0.04	0.01
Worker	240	86	8	18.5	2.94	0.09	0.08	0.72	0.03	0.02
Building Construction	2025									
Total Haul Trips	0									
Hauling	0	313	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	313	8	10.2	0.57	0.12	0.04	0.14	0.04	0.01
Worker	240	313	8	18.5	2.94	0.09	0.08	0.72	0.03	0.02
Building Construction	2026									
Total Haul Trips	0									
Hauling	0	69	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	84	69	8	10.2	0.57	0.12	0.04	0.14	0.04	0.01
Worker	240	69	8	18.5	2.94	0.09	0.08	0.72	0.03	0.02
Paving	2024									
Total Haul Trips	0									
Hauling	0	28	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	28	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	28	8	18.5	0.37	0.01	0.01	0.09	0.00	0.00
Architectural Coating	2026									
Total Haul Trips	0									
Hauling	0	120	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	120	8	10.2	0.00	0.00	0.00	0.00	0.00	0.00
Worker	40	120	8	18.5	0.49	0.01	0.01	0.12	0.01	0.00

Hilton
Road Dust

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\,(sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
sL =	road surface silt loading (g/m^2)
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\,(\,s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:

SCAQMD, CalEEMod, Version 2011.1.

CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).

USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).

PCR Services Corporation, 2013.

Hilton-Hotel-Con Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-Hotel-Con
Construction Start Date	3/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.12

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Hotel	395	Room	0.25	198,268	0.00	—	—	—

General Office Building	85.1	1000sqft	0.14	85,112	0.00	—	—	—
Health Club	11.3	1000sqft	0.01	11,296	0.00	—	—	—
Quality Restaurant	7.23	1000sqft	0.01	7,232	0.00	—	—	—
High Turnover (Sit Down Restaurant)	9.54	1000sqft	0.01	9,535	0.00	—	—	—
Other Non-Asphalt Surfaces	56.2	1000sqft	0.94	56,169	31,240	—	—	—
Recreational Swimming Pool	4.62	1000sqft	0.01	4,618	0.00	—	—	—
Parking Lot	23.2	1000sqft	0.53	23,216	0.00	—	—	—
Other Asphalt Surfaces	109	1000sqft	2.54	109,309	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.16	29.4	67.4	75.6	0.14	2.76	0.43	2.76	2.54	0.05	2.54	—	13,817	13,817	0.56	0.11	0.00	13,864
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.99	29.4	28.1	30.2	0.06	1.15	2.69	3.73	1.06	0.41	1.36	—	5,391	5,391	0.22	0.04	0.00	5,410

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.50	10.2	24.8	27.5	0.05	1.06	0.22	1.28	0.97	0.03	1.00	—	4,912	4,912	0.20	0.04	0.00	4,929
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.64	1.87	4.53	5.02	0.01	0.19	0.04	0.23	0.18	0.01	0.18	—	813	813	0.03	0.01	0.00	816

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	9.16	7.93	67.4	75.6	0.14	2.76	0.43	2.76	2.54	0.05	2.54	—	13,817	13,817	0.56	0.11	0.00	13,864
2025	3.76	3.13	26.7	30.0	0.06	1.02	0.00	1.02	0.94	0.00	0.94	—	5,391	5,391	0.22	0.04	0.00	5,410
2026	0.78	29.4	4.57	6.04	0.01	0.12	0.00	0.12	0.11	0.00	0.11	—	712	712	0.03	0.01	0.00	714
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.99	3.33	28.1	30.2	0.06	1.15	2.69	3.73	1.06	0.41	1.36	—	5,391	5,391	0.22	0.04	0.00	5,409
2025	3.76	3.13	26.7	30.0	0.06	1.02	0.00	1.02	0.94	0.00	0.94	—	5,391	5,391	0.22	0.04	0.00	5,410
2026	3.60	29.4	25.6	29.8	0.06	0.92	0.00	0.92	0.84	0.00	0.84	—	5,389	5,389	0.22	0.04	0.00	5,408
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.50	2.94	24.8	27.5	0.05	1.06	0.22	1.28	0.97	0.03	1.00	—	4,912	4,912	0.20	0.04	0.00	4,929
2025	3.22	2.69	22.9	25.7	0.05	0.87	0.00	0.87	0.80	0.00	0.80	—	4,621	4,621	0.19	0.04	0.00	4,637
2026	0.94	10.2	6.36	7.65	0.01	0.21	0.00	0.21	0.20	0.00	0.20	—	1,259	1,259	0.05	0.01	0.00	1,264
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.64	0.54	4.53	5.02	0.01	0.19	0.04	0.23	0.18	0.01	0.18	—	813	813	0.03	0.01	0.00	816

2025	0.59	0.49	4.17	4.69	0.01	0.16	0.00	0.16	0.15	0.00	0.15	—	765	765	0.03	0.01	0.00	768
2026	0.17	1.87	1.16	1.40	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	—	208	208	0.01	< 0.005	0.00	209

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.65	3.04	24.0	28.3	0.05	1.04	—	1.04	0.96	—	0.96	—	4,881	4,881	0.20	0.04	—	4,898
Demolition	—	—	—	—	—	—	2.69	2.69	—	0.41	0.41	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.25	1.47	< 0.005	0.05	—	0.05	0.05	—	0.05	—	254	254	0.01	< 0.005	—	255
Demolition	—	—	—	—	—	—	0.14	0.14	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.1	42.1	< 0.005	< 0.005	—	42.2

Demolitio	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.41	1.18	9.64	11.8	0.02	0.52	—	0.52	0.48	—	0.48	—	1,674	1,674	0.07	0.01	—	1,679
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.18	9.64	11.8	0.02	0.52	—	0.52	0.48	—	0.48	—	1,674	1,674	0.07	0.01	—	1,679
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.50	0.61	< 0.005	0.03	—	0.03	0.02	—	0.02	—	87.1	87.1	< 0.005	< 0.005	—	87.4
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	19.9	23.6	0.04	1.03	—	1.03	0.95	—	0.95	—	4,352	4,352	0.18	0.04	—	4,367
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.40	3.28	3.87	0.01	0.17	—	0.17	0.16	—	0.16	—	715	715	0.03	0.01	—	718
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.60	0.71	< 0.005	0.03	—	0.03	0.03	—	0.03	—	118	118	< 0.005	< 0.005	—	119
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.99	3.33	28.1	30.2	0.06	1.15	—	1.15	1.06	—	1.06	—	5,391	5,391	0.22	0.04	—	5,409
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.99	3.33	28.1	30.2	0.06	1.15	—	1.15	1.06	—	1.06	—	5,391	5,391	0.22	0.04	—	5,409
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.78	6.61	7.10	0.01	0.27	—	0.27	0.25	—	0.25	—	1,266	1,266	0.05	0.01	—	1,270
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.21	1.30	< 0.005	0.05	—	0.05	0.05	—	0.05	—	210	210	0.01	< 0.005	—	210
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.76	3.13	26.7	30.0	0.06	1.02	—	1.02	0.94	—	0.94	—	5,391	5,391	0.22	0.04	—	5,410
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.76	3.13	26.7	30.0	0.06	1.02	—	1.02	0.94	—	0.94	—	5,391	5,391	0.22	0.04	—	5,410
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	2.69	22.9	25.7	0.05	0.87	—	0.87	0.80	—	0.80	—	4,621	4,621	0.19	0.04	—	4,637

Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.49	4.17	4.69	0.01	0.16	—	0.16	0.15	—	0.15	—	765	765	0.03	0.01	—	768
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.11. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.60	3.00	25.6	29.8	0.06	0.92	—	0.92	0.84	—	0.84	—	5,389	5,389	0.22	0.04	—	5,408
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.86	5.66	0.01	0.17	—	0.17	0.16	—	0.16	—	1,025	1,025	0.04	0.01	—	1,029
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.89	1.03	< 0.005	0.03	—	0.03	0.03	—	0.03	—	170	170	0.01	< 0.005	—	170
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.13. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.47	5.39	46.9	49.6	0.10	1.89	—	1.89	1.74	—	1.74	—	9,153	9,153	0.37	0.07	—	9,185
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.38	1.15	10.0	10.6	0.02	0.40	—	0.40	0.37	—	0.37	—	1,956	1,956	0.08	0.02	—	1,963
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.83	1.93	< 0.005	0.07	—	0.07	0.07	—	0.07	—	324	324	0.01	< 0.005	—	325
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.15. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.69	2.25	20.5	26.0	0.05	0.87	—	0.87	0.80	—	0.80	—	4,664	4,664	0.19	0.04	—	4,680
Paving	—	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.17	1.57	2.00	< 0.005	0.07	—	0.07	0.06	—	0.06	—	358	358	0.01	< 0.005	—	359
Paving	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.29	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.2	59.2	< 0.005	< 0.005	—	59.4
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.17. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	4.57	6.04	0.01	0.12	—	0.12	0.11	—	0.11	—	712	712	0.03	0.01	—	714
Architectural Coatings	—	28.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	4.57	6.04	0.01	0.12	—	0.12	0.11	—	0.11	—	712	712	0.03	0.01	—	714
Architectural Coatings	—	28.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.21	1.50	1.99	< 0.005	0.04	—	0.04	0.04	—	0.04	—	234	234	0.01	< 0.005	—	235
Architectural Coatings	—	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.27	0.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	38.8	38.8	< 0.005	< 0.005	—	38.9
Architectural Coatings	—	1.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.19. Trenching (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.06	1.71	13.9	16.1	0.03	0.57	—	0.57	0.52	—	0.52	—	2,396	2,396	0.10	0.02	—	2,404
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.60	1.85	< 0.005	0.07	—	0.07	0.06	—	0.06	—	276	276	0.01	< 0.005	—	277
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.29	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.6	45.6	< 0.005	< 0.005	—	45.8
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2024	3/22/2024	6.00	19.0	—
Site Preparation	Site Preparation	3/23/2024	4/13/2024	6.00	19.0	—
Grading	Grading	4/14/2024	6/22/2024	6.00	60.0	—
Building Construction	Building Construction	9/23/2024	3/22/2026	6.00	468	—
Foundations	Building Construction	6/23/2024	9/22/2024	6.00	78.0	—
Paving	Paving	7/23/2024	8/23/2024	6.00	28.0	—
Architectural Coating	Architectural Coating	3/23/2026	8/9/2026	6.00	120	—
Trenching	Trenching	4/14/2024	6/1/2024	6.00	42.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Demolition	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Demolition	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Demolition	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Demolition	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	5.00	8.00	84.0	0.37
Demolition	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Site Preparation	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Average	1.00	8.00	87.0	0.43
Site Preparation	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Site Preparation	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	5.00	8.00	84.0	0.37
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Grading	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	4.00	8.00	82.0	0.20

Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	3.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	3.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	2.00	8.00	16.0	0.38
Building Construction	Pumps	Diesel	Average	3.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Foundations	Cranes	Diesel	Average	2.00	12.0	367	0.29
Foundations	Forklifts	Diesel	Average	2.00	12.0	82.0	0.20
Foundations	Generator Sets	Diesel	Average	4.00	12.0	14.0	0.74
Foundations	Tractors/Loaders/Backhoes	Diesel	Average	2.00	12.0	84.0	0.37
Foundations	Air Compressors	Diesel	Average	2.00	12.0	37.0	0.48
Foundations	Bore/Drill Rigs	Diesel	Average	3.00	12.0	83.0	0.50
Foundations	Cement and Mortar Mixers	Diesel	Average	3.00	12.0	10.0	0.56
Foundations	Concrete/Industrial Saws	Diesel	Average	2.00	12.0	33.0	0.73
Foundations	Dumpers/Tenders	Diesel	Average	4.00	12.0	16.0	0.38
Foundations	Pumps	Diesel	Average	3.00	12.0	11.0	0.74
Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	12.0	36.0	0.46
Paving	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	3.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38

Paving	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Paving	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Paving	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Paving	Surfacing Equipment	Diesel	Average	1.00	8.00	399	0.30
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Architectural Coating	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Trenching	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Trenching	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Trenching	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Trenching	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
Trenching	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Trenching	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Trenching	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT

Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

Foundations	—	—	—	—
Foundations	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundations	Vendor	0.00	10.2	HHDT,MHDT
Foundations	Hauling	0.00	20.0	HHDT
Foundations	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	0.00	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	551,418	183,806	7,952

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	3,700	—
Site Preparation	—	100	9.50	0.00	—
Grading	—	38,875	60.0	0.00	—
Paving	0.00	0.00	0.00	0.00	3.07

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Hotel	0.00	0%
General Office Building	0.00	0%
Health Club	0.00	0%
Quality Restaurant	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Other Non-Asphalt Surfaces	0.00	0%
Recreational Swimming Pool	0.00	0%
Parking Lot	0.53	100%
Other Asphalt Surfaces	2.54	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01

2025	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat
Extreme Precipitation	7.30	annual days with precipitation above 20 mm

Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score

Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38
Toxic Releases	69.1

Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4
Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6
Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—
Bachelor's or higher	92.46759913

High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717
Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167
Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044
Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3
Asthma	88.8

Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2
Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5
No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0
Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.2

Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	see construction assumptions

Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	construction mobile emissions calculated outside of CalEEMod.
Construction: Architectural Coatings	see construction assumptions
Construction: Paving	see construction assumptions

Hilton-GS-Con Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-GS-Con
Construction Start Date	3/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.10

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Enclosed Parking with Elevator	348	Space	0.43	63,426	0.00	—	—	—

General Office Building	3.40	1000sqft	0.07	3,400	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.27	1.89	16.2	18.8	0.03	0.59	0.02	0.59	0.54	< 0.005	0.54	—	3,243	3,243	0.13	0.03	0.00	3,254
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.71	4.14	18.6	21.8	0.04	0.67	5.40	5.94	0.62	0.82	1.31	—	3,599	3,599	0.15	0.03	0.00	3,611
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.44	1.34	10.1	11.9	0.02	0.38	0.17	0.54	0.35	0.03	0.37	—	2,128	2,128	0.09	0.02	0.00	2,135
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.26	0.24	1.84	2.16	< 0.005	0.07	0.03	0.10	0.06	< 0.005	0.07	—	352	352	0.01	< 0.005	0.00	354

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.27	1.89	16.2	18.8	0.03	0.59	0.02	0.59	0.54	< 0.005	0.54	—	3,243	3,243	0.13	0.03	0.00	3,254
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.71	4.14	18.6	21.8	0.04	0.67	5.40	5.94	0.62	0.82	1.31	—	3,599	3,599	0.15	0.03	0.00	3,611
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.44	1.34	10.1	11.9	0.02	0.38	0.17	0.54	0.35	0.03	0.37	—	2,128	2,128	0.09	0.02	0.00	2,135
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.26	0.24	1.84	2.16	< 0.005	0.07	0.03	0.10	0.06	< 0.005	0.07	—	352	352	0.01	< 0.005	0.00	354

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.21	1.84	14.0	17.1	0.03	0.53	—	0.53	0.49	—	0.49	—	3,276	3,276	0.13	0.03	—	3,287
Demolition	—	—	—	—	—	—	5.40	5.40	—	0.82	0.82	—	—	—	—	—	—	—
Onsite truck	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	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.42	0.52	< 0.005	0.02	—	0.02	0.01	—	0.01	—	98.7	98.7	< 0.005	< 0.005	—	99.1
Demolition	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.3	16.3	< 0.005	< 0.005	—	16.4
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00

Vendor	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	0.00
Hauling	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	0.00

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	10.9	13.4	0.03	0.44	—	0.44	0.40	—	0.40	—	2,917	2,917	0.12	0.02	—	2,927
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	10.9	13.4	0.03	0.44	—	0.44	0.40	—	0.40	—	2,917	2,917	0.12	0.02	—	2,927
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.52	1.87	< 0.005	0.06	—	0.06	0.06	—	0.06	—	408	408	0.02	< 0.005	—	409

Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	67.5	67.5	< 0.005	< 0.005	—	67.7
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.5. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.27	1.89	16.2	18.8	0.03	0.59	—	0.59	0.54	—	0.54	—	3,243	3,243	0.13	0.03	—	3,254
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.27	1.89	16.2	18.8	0.03	0.59	—	0.59	0.54	—	0.54	—	3,243	3,243	0.13	0.03	—	3,254
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.74	6.39	7.41	0.01	0.23	—	0.23	0.21	—	0.21	—	1,279	1,279	0.05	0.01	—	1,284
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.17	1.35	< 0.005	0.04	—	0.04	0.04	—	0.04	—	212	212	0.01	< 0.005	—	213

Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	1.70	14.8	16.7	0.03	0.55	—	0.55	0.51	—	0.51	—	3,022	3,022	0.12	0.02	—	3,032
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.22	1.37	< 0.005	0.05	—	0.05	0.04	—	0.04	—	248	248	0.01	< 0.005	—	249
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.1	41.1	< 0.005	< 0.005	—	41.3
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.9. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	1.20	10.1	13.4	0.02	0.42	—	0.42	0.39	—	0.39	—	1,932	1,932	0.08	0.02	—	1,938
Paving	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.36	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.8	68.8	< 0.005	< 0.005	—	69.0
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

3.11. Architectural Coating (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.36	2.42	3.06	< 0.005	0.08	—	0.08	0.08	—	0.08	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	1.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.17	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.4	25.4	< 0.005	< 0.005	—	25.5
Architectural Coatings	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.20	4.20	< 0.005	< 0.005	—	4.21
Architectural Coatings	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	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	0.00
Vendor	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	0.00
Hauling	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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	3/1/2024	3/13/2024	6.00	11.0	—
Grading	Grading	3/14/2024	5/11/2024	6.00	51.0	—
Building Construction	Building Construction	6/17/2024	12/1/2024	6.00	144	—
Foundations	Building Construction	5/12/2024	6/16/2024	6.00	30.0	—
Paving	Paving	12/2/2024	12/16/2024	6.00	13.0	—
Architectural Coating	Architectural Coating	11/1/2024	12/1/2024	6.00	26.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Demolition	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Rollers	Diesel	Average	1.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Foundations	Cranes	Diesel	Average	1.00	8.00	367	0.29

Demolition	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Demolition	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Demolition	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Demolition	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Demolition	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Grading	Bore/Drill Rigs	Diesel	Average	2.00	8.00	83.0	0.50
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Grading	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Grading	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Grading	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Grading	Off-Highway Trucks	Diesel	Average	1.00	8.00	376	0.38
Foundations	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Foundations	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Building Construction	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	2.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Building Construction	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Building Construction	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Foundations	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Foundations	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Foundations	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Foundations	Rough Terrain Forklifts	Diesel	Average	2.00	8.00	96.0	0.40
Foundations	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

Foundations	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Paving	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Paving	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
Paving	Skid Steer Loaders	Diesel	Average	2.00	8.00	71.0	0.37
Paving	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	0.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	18.5	LDA,LDT1,LDT2

Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Foundations	—	—	—	—
Foundations	Worker	0.00	18.5	LDA,LDT1,LDT2
Foundations	Vendor	0.00	10.2	HHDT,MHDT
Foundations	Hauling	0.00	20.0	HHDT
Foundations	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	5,100	1,700	3,806

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	4,300	—
Grading	—	48,125	0.00	0.00	—
Paving	0.00	0.00	0.00	0.00	0.43

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking with Elevator	0.43	100%
General Office Building	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat
Extreme Precipitation	7.30	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38
Toxic Releases	69.1
Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4

Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6
Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—
Bachelor's or higher	92.46759913
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717

Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167
Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044
Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3
Asthma	88.8
Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2

Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5
No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0
Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.2
Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—

2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	see construction assumptions
Land Use	see construction assumptions
Construction: Construction Phases	see construction assumptions
Construction: Off-Road Equipment	see construction assumptions
Construction: Trips and VMT	construction mobile emissions calculated outside of CalEEMod.
Construction: Architectural Coatings	see construction assumptions

b) Operations

(1) Emissions Summaries and Miscellaneous Calculations

(2) Modeling Output - Project without GHG Reduction Measures

(3) Modeling Output - Project with GHG Reduction Measures

Universal Hilton

Greenhouse Gas Emissions Summary

Project Operations Summary Without GHG Reduction Characteristics, Features, and Measures (Full Buildout Year	
Category	**$MTCO_2e/yr$**
Mobile	4,964
Area	67
Electricity	1,269
Natural Gas	456
Waste	103
Water	106
Emergency Generator	12
Construction	155
Project Net Total GHG Emissions	**7,132**

$MTCO_2e$=Metric Tons Carbon Dioxide equivalents

Project Operations Summary With GHG Reduction Characteristics, Features, and Measures (Full Buildout Year	
Category	**$MTCO_2e/yr$**
Mobile	3,998
Area	67
Electricity	1,001
Natural Gas	456
Waste	103
Water	91
Emergency Generator	12
-	
Construction	155
Project Net Total GHG Emissions	**5,883**

Universal Hilton
Air Quality and GHG Assessment
Operational Mobile Emissions

				Criteria Pollutant Emission Factors (g/mile)									GHG Emission Factors (metric tons/mile)				Criteria Pollutant Emissions (pounds/day)									GHG Emissions (metric tons/year)			
	Year	Max Daily VMT	Annual VMT	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2_5 Road Dust	PM2_5	PM2.5 Total	CO2	CH4	N2O	CO2e	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2_5 Road Dust	PM2_5	PM2.5 Total	CO2	CH4	N2O	CO2e
																												1	25	298	
Project	2027	29,985	10,948,175	2.78E-04	3.88E-04	2.52E-03	7.64E-06	6.61E-04	5.61E-05	7.17E-04	1.62E-04	2.09E-05	1.83E-04	3.39E-04	1.75E-08	1.94E-08	3.63E-04	8.34	11.64	75.47	0.23	19.83	1.68	21.51	4.87	0.63	5.49	3,930.10	0.19	0.21	3,998.21
Project - BAU	2027	37,243	13,593,695	2.78E-04	3.88E-04	2.52E-03	7.64E-06	6.61E-04	5.61E-05	7.17E-04	1.62E-04	2.09E-05	1.83E-04	3.39E-04	1.75E-08	1.94E-08	3.63E-04	10.35	14.46	93.71	0.28	24.62	2.09	26.71	6.04	0.78	6.82	4,879.77	0.24	0.26	4,964.33

Source: Linscott, Law & Greenspan, Engineers [LLG], Transportation Analysis Addendum for the Hilton Universal City Expansion Project, April 2023

Univeral Hilton
Road Dust Emission Factors

Paved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02})$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
sL =	road surface silt loading (g/m^2)
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	0.9979	0.2449
sL	0.1	0.1
W	2.4	2.4
$EF_{Dust,P}$	3.00E-01	7.36E-02

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (\ s / 12)^{1} \times (Sp / 30)^{0.5} / (M / 0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

	Emission Factor (grams per VMT)	
	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Sources:

SCAQMD, CalEEMod, Version 2011.1.
CARB, *Entrained Dust from Paved Road Travel: Emission Estimation Methodology Background Document* , (1997).
USEPA, *AP-42* , Fifth Edition, Volume I, Chapter 13.2.1 - Paved Roads, (2011).
ESA, 2022.

Universal Hilton
Air Quality and Greenhouse Gas Assessment

Emergency Generator Emissions
updated: 9/16/2022

Conversion Factors

HP/kW	1.3410	
PM10 Fraction of Total PM	0.960	Table A - Updated CEIDARS Table with PM2.5 Fractions, INTERNAL COMBUSTION - DISTILLATE AND DIESEL-ELECTRIC GENERATION
PM2.5 Fraction of Total PM	0.937	Table A - Updated CEIDARS Table with PM2.5 Fractions, INTERNAL COMBUSTION - DISTILLATE AND DIESEL-ELECTRIC GENERATION
CO2 g/gal	10.21	Climate Registry, Table 13.1: https://www.theclimateregistry.org/wp-content/uploads/2014/11/2016-Climate-Registry-Default-Emission-Factors.pdf
CH4 g/gal	0.58	Climate Registry, Table 13.7: https://www.theclimateregistry.org/wp-content/uploads/2014/11/2016-Climate-Registry-Default-Emission-Factors.pdf
N2O g/gal	0.26	Climate Registry, Table 13.7: https://www.theclimateregistry.org/wp-content/uploads/2014/11/2016-Climate-Registry-Default-Emission-Factors.pdf
GWP CH4	25	IPCC AR4
GWP N2O	298	IPCC AR4
CO2e g/gal	10,302	
CO2 g/gal	10,210	
CO2/CO2e	0.9911	

Standby Emergency Generators

Ratings:	450	kW	*(based on engineering assumptions)*
	603	HP	*(based on engineering assumptions; conversion from kW to hp)*
Load Factor:	0.74		*(based on CalEEMod Generator Set Load Factor)*
Engine Emissions Tier:	Tier 4		*(compliance with CARB diesel regulations)*
Operating Hours per Unit:	2	hours/day	*(testing/maintenance)*
	50	hours/year	*(testing/maintenance, Regulatory Limit per SCAQMD Rule 1470)*

Emergency Generator Emissions

Units	Criteria Pollutants [1, 2, 3]						Greenhouse Gases [1]	
	VOC	NO_X	CO	SOx	PM10	PM2.5	CO_2	CO_2e
g/kW-hr	—	—	3.50	—	—	—	—	—
g/HP-hr	0.15	2.85	2.61	5.50E-05	0.0096	0.0094	526.17	530.91
lbs/hr	0.15	2.80	2.57	0.00	0.01	0.01	517.62	522.28
lbs/day	**0.30**	**5.61**	**5.14**	**0.00**	**0.02**	**0.02**	1,035.23	1,044.56
lbs/yr	7.38	140.18	128.38	0.00	0.47	0.46	25,880.76	26,113.91
tons/yr	0.00	0.07	0.06	0.00	0.00	0.00	12.94	13.06
metric tons/yr	—	—	—	—	—	—	**11.74**	**11.85**

Notes:

1. Emission factors for VOC and NOX: Regulatory Limit per SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines).
2. Emission factors for CO, PM10, and PM2.5: Regulatory Limit per SCAQMD Rule 1470 (Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines).
3. Emission factor for SO2: U.S. Environmental Protection Agency, AP-42 Compilation of Air Pollutant Emission Factors, Fifth Edition, Section 3.4, Table 3.4-1.
   Emission Factor for SO2 is based on 15 ppm (0.0015%) S1 from the EPA Nonroad Diesel Fuel Program, and assumes complete conversion to SO2.
1. Emission factor for CO2: U.S. Environmental Protection Agency, AP-42 Compilation of Air Pollutant Emission Factors, Fifth Edition, Section 3.4, Table 3.4-1.
   Emissions of GHGs assume 99.11% of the CO2e emissions occur as CO2, which is typical for off-road diesel engines.

Source: ESA 2022.

4th and Central
Operational Energy Analysis

Estimated Electricity demand from Electric Vehicle Supply Equipment (EVSE)

Land Use Type	% Of spaces with EV Chargers	Number of EVSE Charging Spaces	Average Charge (kWh/day) [a]	Days/Year	Electricity Demand (kWh/yr)	Electricity Demand (MWh/yr)
Total	**10**	**47.0**	**4.4**	**365**	75,482	75.48

Electricity Emission Factor (MT CO2/MWh)	Electricity Emission Factor (lbs CO2/MWh)	Total EV Charging GHG Emissions Per Year
0.20	451.11	15.56
(MT CH4/MWh)	**(lbs CH4/MWh)**	
2.22E-05	0.0489	
(MT N2O/MWh)	**(lbs N2O/MWh)**	
3.13E-06	0.0069	

Notes:

a. Estimated based on reference sources listed below.

b. Project would install EV charing spaces for 10 percent of its parking capacity for immediate use

c. Project would install pre-wiring for EV charging spaces for 30 percent of its parking capacity for future use (so 20% in addition to the immediate use).

Sources:

US Department of Energy. Alternative Fuels Data Center, 2016. Hybrid and Plug-In Electric Vehicle Emissions Data Sources and Assumptions.
Available at: https://www.afdc.energy.gov/vehicles/electric_emissions_sources.html.

US Department of Energy. Smith, Margaret, 2016. Level 1 Electric Vehicle Charging Stations at the Workplace.
Available at: https://www.afdc.energy.gov/uploads/publication/WPCC_L1ChargingAtTheWorkplace_0716.pdf.

UCLA Luskin Center for Innovation. Williams, Brett and JR deShazo, 2013. Pricing Workplace Charging: Financial Viability and Fueling Costs.
Available at: http://luskin.ucla.edu/sites/default/files/Luskin-WPC-TRB-13-11-15d.pdf.

4th and Central
Operational Energy Analysis

Estimated Electricity demand from Electric Vehicle Supply Equipment (EVSE) - BAU

Land Use Type	% Of spaces with EV Chargers	Number of EVSE Charging Spaces	Average Charge (kWh/day) [a]	Days/Year	Electricity Demand (kWh/yr)	Electricity Demand (MWh/yr)
Total	**10**	**47.0**	**4.4**	**365**	75,482	75.48

Electricity Emission Factor (MT CO2/MWh)	Electricity Emission Factor (lbs CO2/MWh)	Total EV Charging GHG Emissions Per Year
0.26	572.66	19.72
(MT CH4/MWh)	**(lbs CH4/MWh)**	
2.22E-05	0.0489	
(MT N2O/MWh)	**(lbs N2O/MWh)**	
3.13E-06	0.0069	

Notes:

a. Estimated based on reference sources listed below.

b. Project would install EV charing spaces for 10 percent of its parking capacity for immediate use

c. Project would install pre-wiring for EV charging spaces for 30 percent of its parking capacity for future use (so 20% in addition to the immediate use).

Sources:

US Department of Energy. Alternative Fuels Data Center, 2016. Hybrid and Plug-In Electric Vehicle Emissions Data Sources and Assumptions.
Available at: https://www.afdc.energy.gov/vehicles/electric_emissions_sources.html.

US Department of Energy. Smith, Margaret, 2016. Level 1 Electric Vehicle Charging Stations at the Workplace.
Available at: https://www.afdc.energy.gov/uploads/publication/WPCC_L1ChargingAtTheWorkplace_0716.pdf.

UCLA Luskin Center for Innovation. Williams, Brett and JR deShazo, 2013. Pricing Workplace Charging: Financial Viability and Fueling Costs.
Available at: http://luskin.ucla.edu/sites/default/files/Luskin-WPC-TRB-13-11-15d.pdf.

Hilton-Ops Detailed Report

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5.10.2. Architectural Coatings

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5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

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5.13.1. Unmitigated

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5.14.2. Mitigated

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5.15.1. Unmitigated

5.15.2. Mitigated

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5.16.2. Process Boilers

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5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

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5.18.2.1. Unmitigated

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-Ops-BAU
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.12

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Hotel	395	Room	0.25	198,268	0.00	—	—	—

General Office Building	88.5	1000sqft	0.21	88,512	0.00	—	—	—
Health Club	11.3	1000sqft	0.01	11,296	0.00	—	—	—
Quality Restaurant	7.23	1000sqft	0.01	7,232	0.00	—	—	—
High Turnover (Sit Down Restaurant)	9.54	1000sqft	0.01	9,535	0.00	—	—	—
Other Non-Asphalt Surfaces	56.2	1000sqft	0.94	56,169	31,240	—	—	—
Recreational Swimming Pool	4.62	1000sqft	0.01	4,618	0.00	—	—	—
Parking Lot	23.2	1000sqft	0.53	23,216	0.00	—	—	—
Other Asphalt Surfaces	109	1000sqft	2.54	109,309	0.00	—	—	—
Enclosed Parking with Elevator	348	Space	0.43	63,426	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	807	10,712	11,519	81.8	0.26	336	13,976

Mit.	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	243	10,712	10,954	25.3	0.26	336	12,001
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	5%	69%	—	—	14%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	807	10,609	11,417	81.8	0.26	336	13,874
Mit.	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	243	10,609	10,852	25.3	0.26	336	11,898
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	5%	69%	—	—	14%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	807	10,679	11,487	81.8	0.26	336	13,944
Mit.	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	243	10,679	10,922	25.3	0.26	336	11,969
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	5%	69%	—	—	14%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	134	1,768	1,902	13.5	0.04	55.7	2,309
Mit.	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	40.2	1,768	1,808	4.19	0.04	55.7	1,982
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	5%	69%	—	—	14%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Area	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	10,246	10,246	0.88	0.10	—	10,297
Water	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	807	10,712	11,519	81.8	0.26	336	13,976
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	10,246	10,246	0.88	0.10	—	10,297
Water	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	807	10,609	11,417	81.8	0.26	336	13,874
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.03	10.5	0.14	17.0	< 0.005	0.02	—	0.02	0.03	—	0.03	—	70.0	70.0	< 0.005	< 0.005	—	70.3
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	10,246	10,246	0.88	0.10	—	10,297
Water	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	807	10,679	11,487	81.8	0.26	336	13,944
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Energy	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,696	1,696	0.15	0.02	—	1,705

Water	—	—	—	—	—	—	—	—	—	—	—	10.6	60.1	70.7	1.10	0.03	—	106
Waste	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7
Total	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	134	1,768	1,902	13.5	0.04	55.7	2,309

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	10,246	10,246	0.88	0.10	—	10,297
Water	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	243	10,712	10,954	25.3	0.26	336	12,001
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	10,246	10,246	0.88	0.10	—	10,297
Water	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	243	10,609	10,852	25.3	0.26	336	11,898

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.03	10.5	0.14	17.0	< 0.005	0.02	—	0.02	0.03	—	0.03	—	70.0	70.0	< 0.005	< 0.005	—	70.3
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	10,246	10,246	0.88	0.10	—	10,297
Water	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	243	10,679	10,922	25.3	0.26	336	11,969
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Energy	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,696	1,696	0.15	0.02	—	1,705
Water	—	—	—	—	—	—	—	—	—	—	—	10.6	60.1	70.7	1.10	0.03	—	106
Waste	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7
Total	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	40.2	1,768	1,808	4.19	0.04	55.7	1,982

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00

General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00

Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00

General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00

Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00

High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	3,634	3,634	0.31	0.04	—	3,655

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,212	2,212	0.19	0.03	—	2,225
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.01	< 0.005	—	173
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	370	370	0.03	< 0.005	—	372
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	487	487	0.04	0.01	—	490
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	77.2	77.2	0.01	< 0.005	—	77.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	31.7	31.7	< 0.005	< 0.005	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	150	150	0.01	< 0.005	—	151
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	367	367	0.03	< 0.005	—	369
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,501	7,501	0.64	0.09	—	7,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	3,634	3,634	0.31	0.04	—	3,655
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,212	2,212	0.19	0.03	—	2,225

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.01	< 0.005	—	173
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	370	370	0.03	< 0.005	—	372
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	487	487	0.04	0.01	—	490
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	77.2	77.2	0.01	< 0.005	—	77.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	31.7	31.7	< 0.005	< 0.005	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	150	150	0.01	< 0.005	—	151
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	367	367	0.03	< 0.005	—	369
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,501	7,501	0.64	0.09	—	7,544
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	602	602	0.05	0.01	—	605
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	366	366	0.03	< 0.005	—	368
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	28.4	28.4	< 0.005	< 0.005	—	28.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	61.2	61.2	0.01	< 0.005	—	61.5

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	80.7	80.7	0.01	< 0.005	—	81.1
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	12.8	12.8	< 0.005	< 0.005	—	12.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	5.25	5.25	< 0.005	< 0.005	—	5.28
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	24.9	24.9	< 0.005	< 0.005	—	25.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,242	1,242	0.11	0.01	—	1,249

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	3,634	3,634	0.31	0.04	—	3,655
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,212	2,212	0.19	0.03	—	2,225

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.01	< 0.005	—	173
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	370	370	0.03	< 0.005	—	372
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	487	487	0.04	0.01	—	490
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	77.2	77.2	0.01	< 0.005	—	77.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	31.7	31.7	< 0.005	< 0.005	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	150	150	0.01	< 0.005	—	151
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	367	367	0.03	< 0.005	—	369
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,501	7,501	0.64	0.09	—	7,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	3,634	3,634	0.31	0.04	—	3,655
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,212	2,212	0.19	0.03	—	2,225
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	172	172	0.01	< 0.005	—	173

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	370	370	0.03	< 0.005	—	372
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	487	487	0.04	0.01	—	490
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	77.2	77.2	0.01	< 0.005	—	77.6
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	31.7	31.7	< 0.005	< 0.005	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	150	150	0.01	< 0.005	—	151
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	367	367	0.03	< 0.005	—	369
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,501	7,501	0.64	0.09	—	7,544
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	602	602	0.05	0.01	—	605
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	366	366	0.03	< 0.005	—	368
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	28.4	28.4	< 0.005	< 0.005	—	28.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	61.2	61.2	0.01	< 0.005	—	61.5

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	80.7	80.7	0.01	< 0.005	—	81.1
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	12.8	12.8	< 0.005	< 0.005	—	12.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	5.25	5.25	< 0.005	< 0.005	—	5.28
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	24.9	24.9	< 0.005	< 0.005	—	25.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,242	1,242	0.11	0.01	—	1,249

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572

Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572
Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128

Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	255
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.4	94.4	0.01	< 0.005	—	94.6
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.2
Quality Restaurant	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.4	36.4	< 0.005	< 0.005	—	36.5

High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	455	455	0.04	< 0.005	—	456

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572

Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572
Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128

Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	255
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.4	94.4	0.01	< 0.005	—	94.6
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.2
Quality Restaurant	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.4	36.4	< 0.005	< 0.005	—	36.5

High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	455	455	0.04	< 0.005	—	456

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.42	4.08	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Total	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Total	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.42	4.08	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Total	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Total	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	32.2	180	212	3.32	0.08	—	319
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	178	210	3.30	0.08	—	317
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	4.34	4.34	< 0.005	< 0.005	—	4.36
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.56	0.66	0.01	< 0.005	—	0.99
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	32.2	180	212	3.32	0.08	—	319
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	178	210	3.30	0.08	—	317
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	4.34	4.34	< 0.005	< 0.005	—	4.36
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.56	0.66	0.01	< 0.005	—	0.99
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.33	29.7	35.1	0.55	0.01	—	52.8
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	5.30	29.5	34.8	0.55	0.01	—	52.4
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.72	0.72	< 0.005	< 0.005	—	0.72
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.09	0.11	< 0.005	< 0.005	—	0.16
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	< 0.005	< 0.005	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	10.6	60.1	70.7	1.10	0.03	—	106

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	32.2	180	212	3.32	0.08	—	319
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	178	210	3.30	0.08	—	317
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	4.34	4.34	< 0.005	< 0.005	—	4.36
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.56	0.66	0.01	< 0.005	—	0.99
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	32.2	180	212	3.32	0.08	—	319
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	178	210	3.30	0.08	—	317
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	4.34	4.34	< 0.005	< 0.005	—	4.36
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.56	0.66	0.01	< 0.005	—	0.99
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.13	0.13	< 0.005	< 0.005	—	0.13
Total	—	—	—	—	—	—	—	—	—	—	—	64.3	363	427	6.63	0.16	—	641
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.33	29.7	35.1	0.55	0.01	—	52.8
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	5.30	29.5	34.8	0.55	0.01	—	52.4
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.72	0.72	< 0.005	< 0.005	—	0.72
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.09	0.11	< 0.005	< 0.005	—	0.16
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	< 0.005	< 0.005	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	10.6	60.1	70.7	1.10	0.03	—	106

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.3	51.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.87	1.87
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.47	2.47
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.3	51.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.87	1.87
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.47	2.47
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	556,518	185,506	11,758

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	2,316,344	573	0.0489	0.0069	4,800,197
General Office Building	1,409,886	573	0.0489	0.0069	1,778,371
Health Club	109,416	573	0.0489	0.0069	399,161
Quality Restaurant	235,547	573	0.0489	0.0069	685,085
High Turnover (Sit Down Restaurant)	310,556	573	0.0489	0.0069	903,247
Other Non-Asphalt Surfaces	49,204	573	0.0489	0.0069	0.00
Recreational Swimming Pool	0.00	573	0.0489	0.0069	0.00
Parking Lot	20,224	573	0.0489	0.0069	0.00
Other Asphalt Surfaces	95,755	573	0.0489	0.0069	0.00
Enclosed Parking with Elevator	234,133	573	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	2,316,344	573	0.0489	0.0069	4,800,197
General Office Building	1,409,886	573	0.0489	0.0069	1,778,371
Health Club	109,416	573	0.0489	0.0069	399,161
Quality Restaurant	235,547	573	0.0489	0.0069	685,085
High Turnover (Sit Down Restaurant)	310,556	573	0.0489	0.0069	903,247
Other Non-Asphalt Surfaces	49,204	573	0.0489	0.0069	0.00
Recreational Swimming Pool	0.00	573	0.0489	0.0069	0.00
Parking Lot	20,224	573	0.0489	0.0069	0.00

Other Asphalt Surfaces	95,755	573	0.0489	0.0069	0.00
Enclosed Parking with Elevator	234,133	573	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	16,808,980	0.00
General Office Building	0.00	0.00
Health Club	16,707,875	0.00
Quality Restaurant	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00
Other Non-Asphalt Surfaces	0.00	521,220
Recreational Swimming Pool	52,195	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Enclosed Parking with Elevator	0.00	15,330

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	16,808,980	0.00
General Office Building	0.00	0.00
Health Club	16,707,875	0.00
Quality Restaurant	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00
Other Non-Asphalt Surfaces	0.00	521,220
Recreational Swimming Pool	52,195	0.00

Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Enclosed Parking with Elevator	0.00	15,330

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	1,379	—
General Office Building	0.00	—
Health Club	0.00	—
Quality Restaurant	0.00	—
High Turnover (Sit Down Restaurant)	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Recreational Swimming Pool	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	331	—
General Office Building	0.00	—
Health Club	0.00	—
Quality Restaurant	0.00	—
High Turnover (Sit Down Restaurant)	0.00	—
Other Non-Asphalt Surfaces	0.00	—

Recreational Swimming Pool	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat
Extreme Precipitation	7.30	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38
Toxic Releases	69.1
Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4
Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6

Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—
Bachelor's or higher	92.46759913
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717
Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167

Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044
Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3
Asthma	88.8
Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2
Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5

No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0
Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.2
Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	see operational assumptions
Characteristics: Utility Information	CO2 intensity factor linearly adjusted for year 2027 consistent with CARB's Scoping Plan Statewide NAT forecast for the AB 32.
Land Use	see operational assumptions
Operations: Vehicle Data	operational mobile emissions calculated outside of CalEEMod.
Operations: Architectural Coatings	see operational assumptions
Operations: Energy Use	parking lot lighting energy use added to account for general lighting. see operational assumptions.
Operations: Water and Waste Water	water usage based on Project WSA. hotel amenities' water usage total modeled in health club. parking water usage total modeled in enclosed parking.
Operations: Solid Waste	see operational assumptions. Project total solid waste modeled in hotel use.

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Hilton-Ops
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	Air Basin
Windspeed (m/s)	2.50
Precipitation (days)	23.8
Location	555 Universal Hollywood Dr, North Hollywood, CA 91608, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4346
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.12

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Hotel	395	Room	0.25	198,268	0.00	—	—	—

General Office Building	88.5	1000sqft	0.21	88,512	0.00	—	—	—
Health Club	11.3	1000sqft	0.01	11,296	0.00	—	—	—
Quality Restaurant	7.23	1000sqft	0.01	7,232	0.00	—	—	—
High Turnover (Sit Down Restaurant)	9.54	1000sqft	0.01	9,535	0.00	—	—	—
Other Non-Asphalt Surfaces	56.2	1000sqft	0.94	56,169	31,240	—	—	—
Recreational Swimming Pool	4.62	1000sqft	0.01	4,618	0.00	—	—	—
Parking Lot	23.2	1000sqft	0.53	23,216	0.00	—	—	—
Other Asphalt Surfaces	109	1000sqft	2.54	109,309	0.00	—	—	—
Enclosed Parking with Elevator	348	Space	0.43	63,426	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Waste	S-1/S-2	Implement Waste Reduction Plan

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	806	9,036	9,841	81.6	0.25	336	12,294

Mit.	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	241	9,036	9,277	25.2	0.25	336	10,318
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	6%	69%	—	—	16%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	806	8,933	9,739	81.6	0.25	336	12,191
Mit.	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	241	8,933	9,174	25.2	0.25	336	10,215
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	6%	69%	—	—	16%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	806	9,003	9,809	81.6	0.25	336	12,261
Mit.	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	241	9,003	9,244	25.2	0.25	336	10,286
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	6%	69%	—	—	16%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	133	1,491	1,624	13.5	0.04	55.7	2,030
Mit.	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	39.9	1,491	1,531	4.17	0.04	55.7	1,703
% Reduced	—	—	—	—	—	—	—	—	—	—	—	70%	—	6%	69%	—	—	16%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Area	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	806	9,036	9,841	81.6	0.25	336	12,294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	806	8,933	9,739	81.6	0.25	336	12,191
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.03	10.5	0.14	17.0	< 0.005	0.02	—	0.02	0.03	—	0.03	—	70.0	70.0	< 0.005	< 0.005	—	70.3
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	806	9,003	9,809	81.6	0.25	336	12,261
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Energy	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,433	1,433	0.15	0.02	—	1,441

Water	—	—	—	—	—	—	—	—	—	—	—	10.4	46.2	56.6	1.07	0.03	—	91.1
Waste	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7
Total	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	133	1,491	1,624	13.5	0.04	55.7	2,030

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	4.68	11.9	2.51	26.8	0.02	0.21	0.00	0.21	0.22	0.00	0.22	241	9,036	9,277	25.2	0.25	336	10,318
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	0.25	7.84	2.30	1.93	0.01	0.17	0.00	0.17	0.17	0.00	0.17	241	8,933	9,174	25.2	0.25	336	10,215

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	3.03	10.5	0.14	17.0	< 0.005	0.02	—	0.02	0.03	—	0.03	—	70.0	70.0	< 0.005	< 0.005	—	70.3
Energy	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	8,654	8,654	0.88	0.10	—	8,705
Water	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Waste	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Total	3.28	10.6	2.44	19.0	0.01	0.20	0.00	0.20	0.21	0.00	0.21	241	9,003	9,244	25.2	0.25	336	10,286
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Energy	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,433	1,433	0.15	0.02	—	1,441
Water	—	—	—	—	—	—	—	—	—	—	—	10.4	46.2	56.6	1.07	0.03	—	91.1
Waste	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7
Total	0.60	1.94	0.45	3.46	< 0.005	0.04	0.00	0.04	0.04	0.00	0.04	39.9	1,491	1,531	4.17	0.04	55.7	1,703

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00

General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00

Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00

General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00

Health Club	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	0.00
Quality Restaurant	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	0.00
High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	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	0.00
General Office Building	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	0.00
Health Club	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	0.00
Quality Restaurant	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	0.00

High Turnover (Sit Down Restaurant)	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	0.00
Other Non-Asphalt Surfaces	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	0.00
Recreational Swimming Pool	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	0.00
Parking Lot	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	0.00
Other Asphalt Surfaces	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	0.00
Enclosed Parking with Elevator	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	0.00
Total	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	0.00

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,863	2,863	0.31	0.04	—	2,884

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,743	1,743	0.19	0.03	—	1,755
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.01	< 0.005	—	136
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.03	< 0.005	—	293
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	0.01	—	387
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.01	< 0.005	—	119
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	291
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,909	5,909	0.64	0.09	—	5,952
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,863	2,863	0.31	0.04	—	2,884
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,743	1,743	0.19	0.03	—	1,755

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.01	< 0.005	—	136
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.03	< 0.005	—	293
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	0.01	—	387
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.01	< 0.005	—	119
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	291
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,909	5,909	0.64	0.09	—	5,952
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	474	474	0.05	0.01	—	477
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	288	288	0.03	< 0.005	—	291
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	22.4	22.4	< 0.005	< 0.005	—	22.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	48.2	48.2	0.01	< 0.005	—	48.5

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	63.5	63.5	0.01	< 0.005	—	64.0
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1	< 0.005	< 0.005	—	10.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.14	4.14	< 0.005	< 0.005	—	4.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	19.6	19.6	< 0.005	< 0.005	—	19.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	47.9	47.9	0.01	< 0.005	—	48.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	978	978	0.11	0.01	—	985

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,863	2,863	0.31	0.04	—	2,884
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,743	1,743	0.19	0.03	—	1,755

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.01	< 0.005	—	136
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.03	< 0.005	—	293
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	0.01	—	387
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.01	< 0.005	—	119
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	291
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,909	5,909	0.64	0.09	—	5,952
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	2,863	2,863	0.31	0.04	—	2,884
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,743	1,743	0.19	0.03	—	1,755
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	135	135	0.01	< 0.005	—	136

Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.03	< 0.005	—	293
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	384	384	0.04	0.01	—	387
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	60.8	60.8	0.01	< 0.005	—	61.3
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	25.0	25.0	< 0.005	< 0.005	—	25.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.01	< 0.005	—	119
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	289	289	0.03	< 0.005	—	291
Total	—	—	—	—	—	—	—	—	—	—	—	—	5,909	5,909	0.64	0.09	—	5,952
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	474	474	0.05	0.01	—	477
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	288	288	0.03	< 0.005	—	291
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	22.4	22.4	< 0.005	< 0.005	—	22.6
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	48.2	48.2	0.01	< 0.005	—	48.5

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	63.5	63.5	0.01	< 0.005	—	64.0
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1	< 0.005	< 0.005	—	10.1
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	4.14	4.14	< 0.005	< 0.005	—	4.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	19.6	19.6	< 0.005	< 0.005	—	19.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	47.9	47.9	0.01	< 0.005	—	48.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	978	978	0.11	0.01	—	985

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572

Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572
Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128

Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	255
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.4	94.4	0.01	< 0.005	—	94.6
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.2
Quality Restaurant	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.4	36.4	< 0.005	< 0.005	—	36.5

High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	455	455	0.04	< 0.005	—	456

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572

Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
General Office Building	0.05	0.03	0.48	0.40	< 0.005	0.04	—	0.04	0.04	—	0.04	—	570	570	0.05	< 0.005	—	572
Health Club	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128

Quality Restaurant	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.02	< 0.005	—	220
High Turnover (Sit Down Restaurant)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	289	289	0.03	< 0.005	—	290
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.25	0.13	2.30	1.93	0.01	0.17	—	0.17	0.17	—	0.17	—	2,745	2,745	0.24	0.01	—	2,753
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	255
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.4	94.4	0.01	< 0.005	—	94.6
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.2	21.2	< 0.005	< 0.005	—	21.2
Quality Restaurant	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.4	36.4	< 0.005	< 0.005	—	36.5

High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.9	47.9	< 0.005	< 0.005	—	48.1
Other Non-Asphalt Surfaces	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
Recreational Swimming Pool	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
Parking Lot	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
Other Asphalt Surfaces	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
Enclosed Parking with Elevator	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
Total	0.05	0.02	0.42	0.35	< 0.005	0.03	—	0.03	0.03	—	0.03	—	455	455	0.04	< 0.005	—	456

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.42	4.08	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Total	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Total	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.42	4.08	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Total	4.42	11.8	0.21	24.9	< 0.005	0.03	—	0.03	0.04	—	0.04	—	102	102	< 0.005	< 0.005	—	103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.55	0.51	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Total	0.55	1.92	0.03	3.11	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	—	11.6

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	30.6	135	165	3.16	0.08	—	267
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	141	173	3.30	0.08	—	279
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	3.42	3.42	< 0.005	< 0.005	—	3.44
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.44	0.54	0.01	< 0.005	—	0.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	< 0.005	< 0.005	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	30.6	135	165	3.16	0.08	—	267
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	141	173	3.30	0.08	—	279
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	3.42	3.42	< 0.005	< 0.005	—	3.44
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.44	0.54	0.01	< 0.005	—	0.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	< 0.005	< 0.005	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.07	22.3	27.3	0.52	0.01	—	44.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	5.30	23.3	28.6	0.55	0.01	—	46.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.07	0.09	< 0.005	< 0.005	—	0.14
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	< 0.005	< 0.005	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	10.4	46.2	56.6	1.07	0.03	—	91.1

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	30.6	135	165	3.16	0.08	—	267
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	141	173	3.30	0.08	—	279
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	3.42	3.42	< 0.005	< 0.005	—	3.44
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.44	0.54	0.01	< 0.005	—	0.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	< 0.005	< 0.005	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	30.6	135	165	3.16	0.08	—	267
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	32.0	141	173	3.30	0.08	—	279
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	3.42	3.42	< 0.005	< 0.005	—	3.44
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.10	0.44	0.54	0.01	< 0.005	—	0.87
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.10	0.10	< 0.005	< 0.005	—	0.10
Total	—	—	—	—	—	—	—	—	—	—	—	62.8	279	342	6.47	0.16	—	550
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.07	22.3	27.3	0.52	0.01	—	44.2
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	5.30	23.3	28.6	0.55	0.01	—	46.2
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.07	0.09	< 0.005	< 0.005	—	0.14
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.02	0.02	< 0.005	< 0.005	—	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	10.4	46.2	56.6	1.07	0.03	—	91.1

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	743	0.00	743	74.3	0.00	—	2,599
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	178	0.00	178	17.8	0.00	—	624
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	29.5	0.00	29.5	2.95	0.00	—	103

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22

Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.3	51.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.87	1.87
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.47	2.47
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	310	310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.9	14.9
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	336	336
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.3	51.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.87	1.87
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.47	2.47
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55.7	55.7

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quality Restaurant	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	556,518	185,506	11,758

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	2,316,344	451	0.0489	0.0069	4,800,197
General Office Building	1,409,886	451	0.0489	0.0069	1,778,371
Health Club	109,416	451	0.0489	0.0069	399,161
Quality Restaurant	235,547	451	0.0489	0.0069	685,085
High Turnover (Sit Down Restaurant)	310,556	451	0.0489	0.0069	903,247
Other Non-Asphalt Surfaces	49,204	451	0.0489	0.0069	0.00
Recreational Swimming Pool	0.00	451	0.0489	0.0069	0.00
Parking Lot	20,224	451	0.0489	0.0069	0.00
Other Asphalt Surfaces	95,755	451	0.0489	0.0069	0.00
Enclosed Parking with Elevator	234,133	451	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Hotel	2,316,344	451	0.0489	0.0069	4,800,197
General Office Building	1,409,886	451	0.0489	0.0069	1,778,371
Health Club	109,416	451	0.0489	0.0069	399,161
Quality Restaurant	235,547	451	0.0489	0.0069	685,085
High Turnover (Sit Down Restaurant)	310,556	451	0.0489	0.0069	903,247
Other Non-Asphalt Surfaces	49,204	451	0.0489	0.0069	0.00
Recreational Swimming Pool	0.00	451	0.0489	0.0069	0.00
Parking Lot	20,224	451	0.0489	0.0069	0.00

Other Asphalt Surfaces	95,755	451	0.0489	0.0069	0.00
Enclosed Parking with Elevator	234,133	451	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	15,992,475	0.00
General Office Building	0.00	0.00
Health Club	16,707,875	0.00
Quality Restaurant	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00
Other Non-Asphalt Surfaces	0.00	521,220
Recreational Swimming Pool	52,195	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Enclosed Parking with Elevator	0.00	15,330

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Hotel	15,992,475	0.00
General Office Building	0.00	0.00
Health Club	16,707,875	0.00
Quality Restaurant	0.00	0.00
High Turnover (Sit Down Restaurant)	0.00	0.00
Other Non-Asphalt Surfaces	0.00	521,220
Recreational Swimming Pool	52,195	0.00

Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Enclosed Parking with Elevator	0.00	15,330

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	1,379	—
General Office Building	0.00	—
Health Club	0.00	—
Quality Restaurant	0.00	—
High Turnover (Sit Down Restaurant)	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Recreational Swimming Pool	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Hotel	331	—
General Office Building	0.00	—
Health Club	0.00	—
Quality Restaurant	0.00	—
High Turnover (Sit Down Restaurant)	0.00	—
Other Non-Asphalt Surfaces	0.00	—

Recreational Swimming Pool	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Quality Restaurant	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Quality Restaurant	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Quality Restaurant	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	11.7	annual days of extreme heat
Extreme Precipitation	7.30	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A

Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	69.4
AQ-PM	62.8
AQ-DPM	86.1
Drinking Water	84.8
Lead Risk Housing	47.1
Pesticides	8.38
Toxic Releases	69.1
Traffic	93.0
Effect Indicators	—
CleanUp Sites	43.5
Groundwater	36.8
Haz Waste Facilities/Generators	46.4
Impaired Water Bodies	43.8
Solid Waste	72.6
Sensitive Population	—
Asthma	2.65
Cardio-vascular	4.40
Low Birth Weights	12.8
Socioeconomic Factor Indicators	—
Education	3.87
Housing	19.4
Linguistic	12.3
Poverty	15.6

Unemployment	74.1

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	89.74720903
Employed	88.14320544
Median HI	95.38046965
Education	—
Bachelor's or higher	92.46759913
High school enrollment	100
Preschool enrollment	95.7141024
Transportation	—
Auto Access	66.18760426
Active commuting	27.30655717
Social	—
2-parent households	89.88836135
Voting	16.42499679
Neighborhood	—
Alcohol availability	53.61221609
Park access	35.72436802
Retail density	79.85371487
Supermarket access	30.25792378
Tree canopy	89.36224817
Housing	—
Homeownership	65.03272167

Housing habitability	71.05094315
Low-inc homeowner severe housing cost burden	66.62389324
Low-inc renter severe housing cost burden	30.14243552
Uncrowded housing	89.4649044
Health Outcomes	—
Insured adults	86.65469011
Arthritis	59.3
Asthma ER Admissions	97.3
High Blood Pressure	59.9
Cancer (excluding skin)	17.3
Asthma	88.8
Coronary Heart Disease	61.0
Chronic Obstructive Pulmonary Disease	81.8
Diagnosed Diabetes	88.2
Life Expectancy at Birth	80.0
Cognitively Disabled	87.2
Physically Disabled	85.5
Heart Attack ER Admissions	91.1
Mental Health Not Good	88.1
Chronic Kidney Disease	79.8
Obesity	74.1
Pedestrian Injuries	98.0
Physical Health Not Good	87.1
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	8.9
Current Smoker	83.5

No Leisure Time for Physical Activity	96.4
Climate Change Exposures	—
Wildfire Risk	100.0
SLR Inundation Area	0.0
Children	58.1
Elderly	32.8
English Speaking	75.1
Foreign-born	48.8
Outdoor Workers	88.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.2
Traffic Density	96.0
Traffic Access	52.2
Other Indices	—
Hardship	0.8
Other Decision Support	—
2016 Voting	45.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	18.0
Healthy Places Index Score for Project Location (b)	92.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	see operational assumptions
Characteristics: Utility Information	CO2 intensity factor linearly adjusted to account for SB100 RPS by year 2027.
Land Use	see operational assumptions
Operations: Vehicle Data	operational mobile emissions calculated outside of CalEEMod.
Operations: Architectural Coatings	see operational assumptions
Operations: Energy Use	parking lot lighting energy use added to account for general lighting. see operational assumptions.
Operations: Water and Waste Water	water usage based on Project WSA. hotel amenities' water usage total modeled in health club. parking water usage total modeled in enclosed parking.
Operations: Solid Waste	see operational assumptions. Project total solid waste modeled in hotel use.