



DOUGLASKIM+ASSOCIATES,LLC

EXISTING EMISSIONS

5401-5425 Wilshire Boulevard (Existing) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	5401-5425 Wilshire Boulevard (Existing)
Operational Year	2023
Lead Agency	City of Los Angeles
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	5409 Wilshire Blvd, Los Angeles, CA 90036, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4316
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.14

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
Strip Mall	38.5	1000sqft	1.32	38,545	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	27.3	10,596	10,624	3.37	0.45	41.1	10,882
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	27.3	10,177	10,204	3.40	0.47	1.30	10,430
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	27.3	10,293	10,320	3.40	0.47	17.9	10,563
Annual (Max)	—	—	—	—	—	—	—
Unmit.	4.52	1,704	1,709	0.56	0.08	2.96	1,749

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	—	9,766	9,766	0.57	0.42	40.8	9,947
Area	—	6.89	6.89	< 0.005	< 0.005	—	6.92
Energy	—	787	787	0.06	0.01	—	790
Water	5.47	36.8	42.2	0.56	0.01	—	60.4
Waste	21.8	0.00	21.8	2.18	0.00	—	76.3
Refrig.	—	—	—	—	—	0.24	0.24

Total	27.3	10,596	10,624	3.37	0.45	41.1	10,882
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	—	9,353	9,353	0.60	0.45	1.06	9,503
Area	—	—	—	—	—	—	—
Energy	—	787	787	0.06	0.01	—	790
Water	5.47	36.8	42.2	0.56	0.01	—	60.4
Waste	21.8	0.00	21.8	2.18	0.00	—	76.3
Refrig.	—	—	—	—	—	0.24	0.24
Total	27.3	10,177	10,204	3.40	0.47	1.30	10,430
Average Daily	—	—	—	—	—	—	—
Mobile	—	9,465	9,465	0.60	0.45	17.6	9,631
Area	—	4.72	4.72	< 0.005	< 0.005	—	4.74
Energy	—	787	787	0.06	0.01	—	790
Water	5.47	36.8	42.2	0.56	0.01	—	60.4
Waste	21.8	0.00	21.8	2.18	0.00	—	76.3
Refrig.	—	—	—	—	—	0.24	0.24
Total	27.3	10,293	10,320	3.40	0.47	17.9	10,563
Annual	—	—	—	—	—	—	—
Mobile	—	1,567	1,567	0.10	0.07	2.92	1,595
Area	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Energy	—	130	130	0.01	< 0.005	—	131
Water	0.91	6.09	6.99	0.09	< 0.005	—	10.0
Waste	3.61	0.00	3.61	0.36	0.00	—	12.6
Refrig.	—	—	—	—	—	0.04	0.04
Total	4.52	1,704	1,709	0.56	0.08	2.96	1,749

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
Daily, Summer (Max)	—	—	—	—	—	—	—
Strip Mall	—	726	726	0.05	0.01	—	729
Total	—	726	726	0.05	0.01	—	729
Daily, Winter (Max)	—	—	—	—	—	—	—
Strip Mall	—	726	726	0.05	0.01	—	729
Total	—	726	726	0.05	0.01	—	729
Annual	—	—	—	—	—	—	—
Strip Mall	—	120	120	0.01	< 0.005	—	121
Total	—	120	120	0.01	< 0.005	—	121

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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
Daily, Summer (Max)	—	—	—	—	—	—	—
Strip Mall	—	60.8	60.8	0.01	< 0.005	—	61.0
Total	—	60.8	60.8	0.01	< 0.005	—	61.0
Daily, Winter (Max)	—	—	—	—	—	—	—
Strip Mall	—	60.8	60.8	0.01	< 0.005	—	61.0

Total	—	60.8	60.8	0.01	< 0.005	—	61.0
Annual	—	—	—	—	—	—	—
Strip Mall	—	10.1	10.1	< 0.005	< 0.005	—	10.1
Total	—	10.1	10.1	< 0.005	< 0.005	—	10.1

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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
Daily, Summer (Max)	—	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	6.89	6.89	< 0.005	< 0.005	—	6.92
Total	—	6.89	6.89	< 0.005	< 0.005	—	6.92
Daily, Winter (Max)	—	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	0.78	0.78	< 0.005	< 0.005	—	0.78
Total	—	0.78	0.78	< 0.005	< 0.005	—	0.78

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Strip Mall	5.47	36.8	42.2	0.56	0.01	—	60.4
Total	5.47	36.8	42.2	0.56	0.01	—	60.4
Daily, Winter (Max)	—	—	—	—	—	—	—
Strip Mall	5.47	36.8	42.2	0.56	0.01	—	60.4
Total	5.47	36.8	42.2	0.56	0.01	—	60.4
Annual	—	—	—	—	—	—	—
Strip Mall	0.91	6.09	6.99	0.09	< 0.005	—	10.0
Total	0.91	6.09	6.99	0.09	< 0.005	—	10.0

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Strip Mall	21.8	0.00	21.8	2.18	0.00	—	76.3
Total	21.8	0.00	21.8	2.18	0.00	—	76.3
Daily, Winter (Max)	—	—	—	—	—	—	—
Strip Mall	21.8	0.00	21.8	2.18	0.00	—	76.3
Total	21.8	0.00	21.8	2.18	0.00	—	76.3
Annual	—	—	—	—	—	—	—
Strip Mall	3.61	0.00	3.61	0.36	0.00	—	12.6
Total	3.61	0.00	3.61	0.36	0.00	—	12.6

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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
Daily, Summer (Max)	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	0.24	0.24
Total	—	—	—	—	—	0.24	0.24
Daily, Winter (Max)	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	0.24	0.24
Total	—	—	—	—	—	0.24	0.24
Annual	—	—	—	—	—	—	—
Strip Mall	—	—	—	—	—	0.04	0.04
Total	—	—	—	—	—	0.04	0.04

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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
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	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	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	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
Total all Land Uses	1,766	1,766	1,766	644,590	11,550	11,550	11,550	4,215,750

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

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	57,818	19,273	—

5.10.3. Landscape Equipment

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)
Strip Mall	383,775	690	0.0489	0.0069	189,801

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Strip Mall	2,855,125	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Strip Mall	40.5	—

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
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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
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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
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5.16.2. Process Boilers

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

Equipment Type	Fuel Type
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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
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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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	5.47	annual days of extreme heat
Extreme Precipitation	5.55	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 $\frac{3}{4}$ 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	0	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	0	0	0	N/A
Wildfire	0	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	53.7
AQ-PM	71.5
AQ-DPM	83.4

Drinking Water	92.5
Lead Risk Housing	40.0
Pesticides	0.00
Toxic Releases	75.7
Traffic	75.9
Effect Indicators	—
CleanUp Sites	21.1
Groundwater	47.4
Haz Waste Facilities/Generators	72.6
Impaired Water Bodies	0.00
Solid Waste	0.00
Sensitive Population	—
Asthma	28.0
Cardio-vascular	49.2
Low Birth Weights	28.4
Socioeconomic Factor Indicators	—
Education	1.77
Housing	85.5
Linguistic	17.3
Poverty	33.2
Unemployment	28.2

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	67.90709611

Employed	98.33183626
Median HI	33.87655588
Education	—
Bachelor's or higher	90.33748236
High school enrollment	100
Preschool enrollment	87.73258052
Transportation	—
Auto Access	8.494803028
Active commuting	87.92506095
Social	—
2-parent households	68.36904915
Voting	69.48543565
Neighborhood	—
Alcohol availability	4.516874118
Park access	36.45579366
Retail density	48.82586937
Supermarket access	94.25125112
Tree canopy	58.62953933
Housing	—
Homeownership	0.436288977
Housing habitability	44.02669062
Low-inc homeowner severe housing cost burden	99.12742205
Low-inc renter severe housing cost burden	49.35198255
Uncrowded housing	70.98678301
Health Outcomes	—
Insured adults	43.44924933
Arthritis	98.7

Asthma ER Admissions	78.2
High Blood Pressure	98.8
Cancer (excluding skin)	91.6
Asthma	65.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	97.7
Diagnosed Diabetes	98.9
Life Expectancy at Birth	52.3
Cognitively Disabled	99.5
Physically Disabled	96.9
Heart Attack ER Admissions	63.3
Mental Health Not Good	71.0
Chronic Kidney Disease	99.0
Obesity	79.9
Pedestrian Injuries	63.8
Physical Health Not Good	96.7
Stroke	98.4
Health Risk Behaviors	—
Binge Drinking	2.2
Current Smoker	66.4
No Leisure Time for Physical Activity	96.9
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	92.2
Elderly	92.9
English Speaking	43.8

Foreign-born	59.2
Outdoor Workers	74.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	1.0
Traffic Density	81.1
Traffic Access	87.4
Other Indices	—
Hardship	6.2
Other Decision Support	—
2016 Voting	43.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	42.0
Healthy Places Index Score for Project Location (b)	74.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	—



DOUGLASKIM+ASSOCIATES,LLC

FUTURE EMISSIONS

5401-5425 Wilshire Boulevard (Future) 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	5401-5425 Wilshire Boulevard (Future)
Construction Start Date	9/9/2024
Operational Year	2027
Lead Agency	City of Los Angeles
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18.4
Location	5409 Wilshire Blvd, Los Angeles, CA 90036, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4316
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.17

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
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Apartments High Rise	348	Dwelling Unit	1.20	463,956	7,041	—	818	—
High Turnover (Sit Down Restaurant)	1.00	1000sqft	0.01	1,000	0.00	—	—	—
High Turnover (Sit Down Restaurant)	4.44	1000sqft	0.05	4,443	0.00	—	—	—
Strip Mall	7.38	1000sqft	0.06	7,378	0.00	—	—	—
Enclosed Parking with Elevator	478	Space	0.00	191,200	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-21*	Install Cool Pavements

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	—	11,494	11,494	0.48	0.55	25.6	11,696
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	—	39,246	39,246	1.93	4.91	2.31	40,759
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	—	10,426	10,426	0.48	0.93	10.8	10,703
Annual (Max)	—	—	—	—	—	—	—

Unmit.	—	1,726	1,726	0.08	0.15	1.79	1,772
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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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—
2024	—	5,492	5,492	0.25	0.48	7.23	5,648
2025	—	9,846	9,846	0.41	0.50	23.8	10,029
2026	—	9,710	9,710	0.40	0.50	21.9	9,891
2027	—	11,494	11,494	0.48	0.55	25.6	11,696
Daily - Winter (Max)	—	—	—	—	—	—	—
2024	—	33,226	33,226	1.64	4.61	1.74	34,643
2025	—	39,246	39,246	1.93	4.91	2.31	40,759
2026	—	9,466	9,466	0.41	0.50	0.57	9,626
2027	—	11,162	11,162	0.30	0.55	0.66	11,334
Average Daily	—	—	—	—	—	—	—
2024	—	6,528	6,528	0.32	0.93	5.85	6,820
2025	—	10,426	10,426	0.48	0.85	10.8	10,703
2026	—	8,169	8,169	0.35	0.43	8.12	8,315
2027	—	3,147	3,147	0.09	0.14	2.77	3,194
Annual	—	—	—	—	—	—	—
2024	—	1,081	1,081	0.05	0.15	0.97	1,129
2025	—	1,726	1,726	0.08	0.14	1.79	1,772
2026	—	1,353	1,353	0.06	0.07	1.34	1,377
2027	—	521	521	0.01	0.02	0.46	529

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—
2024	—	5,492	5,492	0.25	0.48	7.23	5,648
2025	—	9,846	9,846	0.41	0.50	23.8	10,029
2026	—	9,710	9,710	0.40	0.50	21.9	9,891
2027	—	11,494	11,494	0.48	0.55	25.6	11,696
Daily - Winter (Max)	—	—	—	—	—	—	—
2024	—	33,226	33,226	1.64	4.61	1.74	34,643
2025	—	39,246	39,246	1.93	4.91	2.31	40,759
2026	—	9,466	9,466	0.41	0.50	0.57	9,626
2027	—	11,162	11,162	0.30	0.55	0.66	11,334
Average Daily	—	—	—	—	—	—	—
2024	—	6,528	6,528	0.32	0.93	5.85	6,820
2025	—	10,426	10,426	0.48	0.85	10.8	10,703
2026	—	8,169	8,169	0.35	0.43	8.12	8,315
2027	—	3,147	3,147	0.09	0.14	2.77	3,194
Annual	—	—	—	—	—	—	—
2024	—	1,081	1,081	0.05	0.15	0.97	1,129
2025	—	1,726	1,726	0.08	0.14	1.79	1,772
2026	—	1,353	1,353	0.06	0.07	1.34	1,377
2027	—	521	521	0.01	0.02	0.46	529

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.	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—

Unmit.	178	45,964	46,142	20.5	1.83	135	47,335
Mit.	178	45,806	45,984	20.5	1.83	135	47,176
% Reduced	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	178	44,214	44,392	20.6	1.92	15.1	45,494
Mit.	178	44,056	44,234	20.6	1.92	15.1	45,336
% Reduced	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	178	44,723	44,901	20.6	1.92	64.8	46,053
Mit.	178	44,565	44,743	20.6	1.92	64.8	45,895
% Reduced	—	< 0.5%	< 0.5%	< 0.5%	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—
Unmit.	29.5	7,404	7,434	3.41	0.32	10.7	7,625
Mit.	29.5	7,378	7,408	3.41	0.32	10.7	7,598
% Reduced	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	—	40,484	40,484	2.19	1.72	123	41,173
Area	0.00	89.3	89.3	< 0.005	< 0.005	—	89.6
Energy	—	5,254	5,254	0.39	0.04	—	5,277
Water	29.1	197	226	2.99	0.07	—	322
Waste	149	0.00	149	14.9	0.00	—	522
Refrig.	—	—	—	—	—	11.9	11.9
Vegetation	—	-60.4	-60.4	—	—	—	-60.4

Total	178	45,964	46,142	20.5	1.83	135	47,335
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	—	38,823	38,823	2.31	1.80	3.18	39,422
Area	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	—	5,254	5,254	0.39	0.04	—	5,277
Water	29.1	197	226	2.99	0.07	—	322
Waste	149	0.00	149	14.9	0.00	—	522
Refrig.	—	—	—	—	—	11.9	11.9
Vegetation	—	-60.4	-60.4	—	—	—	-60.4
Total	178	44,214	44,392	20.6	1.92	15.1	45,494
Average Daily	—	—	—	—	—	—	—
Mobile	—	39,271	39,271	2.29	1.81	53.0	39,919
Area	0.00	61.1	61.1	< 0.005	< 0.005	—	61.4
Energy	—	5,254	5,254	0.39	0.04	—	5,277
Water	29.1	197	226	2.99	0.07	—	322
Waste	149	0.00	149	14.9	0.00	—	522
Refrig.	—	—	—	—	—	11.9	11.9
Vegetation	—	-60.4	-60.4	—	—	—	-60.4
Total	178	44,723	44,901	20.6	1.92	64.8	46,053
Annual	—	—	—	—	—	—	—
Mobile	—	6,502	6,502	0.38	0.30	8.77	6,609
Area	0.00	10.1	10.1	< 0.005	< 0.005	—	10.2
Energy	—	870	870	0.07	0.01	—	874
Water	4.81	32.5	37.4	0.50	0.01	—	53.3
Waste	24.7	0.00	24.7	2.47	0.00	—	86.4
Refrig.	—	—	—	—	—	1.97	1.97
Vegetation	—	-10.00	-10.00	—	—	—	-10.00

Total	29.5	7,404	7,434	3.41	0.32	10.7	7,625
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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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	—	40,484	40,484	2.19	1.72	123	41,173
Area	0.00	89.3	89.3	< 0.005	< 0.005	—	89.6
Energy	—	5,097	5,097	0.38	0.04	—	5,118
Water	29.1	197	226	2.99	0.07	—	322
Waste	149	0.00	149	14.9	0.00	—	522
Refrig.	—	—	—	—	—	11.9	11.9
Vegetation	—	-60.4	-60.4	—	—	—	-60.4
Total	178	45,806	45,984	20.5	1.83	135	47,176
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	—	38,823	38,823	2.31	1.80	3.18	39,422
Area	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	—	5,097	5,097	0.38	0.04	—	5,118
Water	29.1	197	226	2.99	0.07	—	322
Waste	149	0.00	149	14.9	0.00	—	522
Refrig.	—	—	—	—	—	11.9	11.9
Vegetation	—	-60.4	-60.4	—	—	—	-60.4
Total	178	44,056	44,234	20.6	1.92	15.1	45,336
Average Daily	—	—	—	—	—	—	—
Mobile	—	39,271	39,271	2.29	1.81	53.0	39,919
Area	0.00	61.1	61.1	< 0.005	< 0.005	—	61.4
Energy	—	5,097	5,097	0.38	0.04	—	5,118

Water	29.1	197	226	2.99	0.07	—	322
Waste	149	0.00	149	14.9	0.00	—	522
Refrig.	—	—	—	—	—	11.9	11.9
Vegetation	—	-60.4	-60.4	—	—	—	-60.4
Total	178	44,565	44,743	20.6	1.92	64.8	45,895
Annual	—	—	—	—	—	—	—
Mobile	—	6,502	6,502	0.38	0.30	8.77	6,609
Area	0.00	10.1	10.1	< 0.005	< 0.005	—	10.2
Energy	—	844	844	0.06	0.01	—	847
Water	4.81	32.5	37.4	0.50	0.01	—	53.3
Waste	24.7	0.00	24.7	2.47	0.00	—	86.4
Refrig.	—	—	—	—	—	1.97	1.97
Vegetation	—	-10.00	-10.00	—	—	—	-10.00
Total	29.5	7,378	7,408	3.41	0.32	10.7	7,598

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,494	2,494	0.10	0.02	—	2,502

Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	137	137	0.01	< 0.005	—	137
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	22.6	22.6	< 0.005	< 0.005	—	22.7
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	176	176	0.01	0.01	0.70	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	2,822	2,822	0.14	0.45	6.54	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	167	167	0.01	0.01	0.02	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	2,822	2,822	0.14	0.45	0.17	—
Average Daily	—	—	—	—	—	—	—
Worker	—	9.30	9.30	< 0.005	< 0.005	0.02	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	155	155	0.01	0.02	0.15	—
Annual	—	—	—	—	—	—	—
Worker	—	1.54	1.54	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	25.6	25.6	< 0.005	< 0.005	0.03	—

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,494	2,494	0.10	0.02	—	2,502
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	137	137	0.01	< 0.005	—	137
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	22.6	22.6	< 0.005	< 0.005	—	22.7
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	176	176	0.01	0.01	0.70	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	2,822	2,822	0.14	0.45	6.54	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	167	167	0.01	0.01	0.02	—

Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	2,822	2,822	0.14	0.45	0.17	—
Average Daily	—	—	—	—	—	—	—
Worker	—	9.30	9.30	< 0.005	< 0.005	0.02	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	155	155	0.01	0.02	0.15	—
Annual	—	—	—	—	—	—	—
Worker	—	1.54	1.54	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	25.6	25.6	< 0.005	< 0.005	0.03	—

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,064	2,064	0.08	0.02	—	2,071
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	96.1	96.1	< 0.005	< 0.005	—	96.4
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	15.9	15.9	< 0.005	< 0.005	—	16.0

Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	100	100	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	4.74	4.74	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	0.79	0.79	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,064	2,064	0.08	0.02	—	2,071
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—

Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	96.1	96.1	< 0.005	< 0.005	—	96.4
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	15.9	15.9	< 0.005	< 0.005	—	16.0
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	100	100	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	4.74	4.74	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	0.79	0.79	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.5. Grading/Excavation (2024) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,454	2,454	0.10	0.02	—	2,462
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	484	484	0.02	< 0.005	—	486
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	80.1	80.1	< 0.005	< 0.005	—	80.4
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	134	134	0.01	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	28,475	28,475	1.45	4.57	1.71	—
Average Daily	—	—	—	—	—	—	—
Worker	—	26.8	26.8	< 0.005	< 0.005	0.05	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	5,616	5,616	0.29	0.90	5.62	—
Annual	—	—	—	—	—	—	—
Worker	—	4.44	4.44	< 0.005	< 0.005	0.01	—

Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	930	930	0.05	0.15	0.93	—

3.6. Grading/Excavation (2024) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,454	2,454	0.10	0.02	—	2,462
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	484	484	0.02	< 0.005	—	486
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	80.1	80.1	< 0.005	< 0.005	—	80.4
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	134	134	0.01	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—

Hauling	—	28,475	28,475	1.45	4.57	1.71	—
Average Daily	—	—	—	—	—	—	—
Worker	—	26.8	26.8	< 0.005	< 0.005	0.05	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	5,616	5,616	0.29	0.90	5.62	—
Annual	—	—	—	—	—	—	—
Worker	—	4.44	4.44	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	930	930	0.05	0.15	0.93	—

3.7. Grading/Excavation (2025) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	265	265	0.01	< 0.005	—	266
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	43.9	43.9	< 0.005	< 0.005	—	44.1

Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	131	131	0.01	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	27,979	27,979	1.44	4.39	1.70	—
Average Daily	—	—	—	—	—	—	—
Worker	—	14.4	14.4	< 0.005	< 0.005	0.02	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	3,022	3,022	0.16	0.47	3.05	—
Annual	—	—	—	—	—	—	—
Worker	—	2.38	2.38	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	500	500	0.03	0.08	0.50	—

3.8. Grading/Excavation (2025) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,455	2,455	0.10	0.02	—	2,463
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—

Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	265	265	0.01	< 0.005	—	266
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	43.9	43.9	< 0.005	< 0.005	—	44.1
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	131	131	0.01	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	27,979	27,979	1.44	4.39	1.70	—
Average Daily	—	—	—	—	—	—	—
Worker	—	14.4	14.4	< 0.005	< 0.005	0.02	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	3,022	3,022	0.16	0.47	3.05	—
Annual	—	—	—	—	—	—	—
Worker	—	2.38	2.38	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	500	500	0.03	0.08	0.50	—

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	1,163	1,163	0.05	0.01	—	1,167
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	193	193	0.01	< 0.005	—	193
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	4,639	4,639	0.20	0.16	17.0	—
Vendor	—	2,241	2,241	0.09	0.31	6.13	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	4,397	4,397	0.20	0.17	0.44	—
Vendor	—	2,242	2,242	0.09	0.31	0.16	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	2,882	2,882	0.13	0.10	4.74	—
Vendor	—	1,448	1,448	0.06	0.20	1.72	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—

Worker	—	477	477	0.02	0.02	0.78	—
Vendor	—	240	240	0.01	0.03	0.28	—
Hauling	—	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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	1,163	1,163	0.05	0.01	—	1,167
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	193	193	0.01	< 0.005	—	193
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	4,639	4,639	0.20	0.16	17.0	—
Vendor	—	2,241	2,241	0.09	0.31	6.13	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	4,397	4,397	0.20	0.17	0.44	—

Vendor	—	2,242	2,242	0.09	0.31	0.16	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	2,882	2,882	0.13	0.10	4.74	—
Vendor	—	1,448	1,448	0.06	0.20	1.72	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	477	477	0.02	0.02	0.78	—
Vendor	—	240	240	0.01	0.03	0.28	—
Hauling	—	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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	1,544	1,544	0.06	0.01	—	1,549
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	256	256	0.01	< 0.005	—	256
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—

Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	4,546	4,546	0.19	0.16	15.4	—
Vendor	—	2,202	2,202	0.09	0.31	5.95	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	4,309	4,309	0.20	0.16	0.40	—
Vendor	—	2,203	2,203	0.09	0.31	0.15	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	3,748	3,748	0.17	0.14	5.70	—
Vendor	—	1,888	1,888	0.08	0.27	2.20	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	621	621	0.03	0.02	0.94	—
Vendor	—	313	313	0.01	0.04	0.36	—
Hauling	—	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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807

Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	1,544	1,544	0.06	0.01	—	1,549
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	256	256	0.01	< 0.005	—	256
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	4,546	4,546	0.19	0.16	15.4	—
Vendor	—	2,202	2,202	0.09	0.31	5.95	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	4,309	4,309	0.20	0.16	0.40	—
Vendor	—	2,203	2,203	0.09	0.31	0.15	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	3,748	3,748	0.17	0.14	5.70	—
Vendor	—	1,888	1,888	0.08	0.27	2.20	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	621	621	0.03	0.02	0.94	—
Vendor	—	313	313	0.01	0.04	0.36	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.13. Building Construction (2027) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	440	440	0.02	< 0.005	—	441
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	72.8	72.8	< 0.005	< 0.005	—	73.1
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	4,459	4,459	0.19	0.16	13.9	—
Vendor	—	2,160	2,160	0.09	0.30	5.63	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	4,227	4,227	0.06	0.16	0.36	—
Vendor	—	2,161	2,161	0.09	0.30	0.15	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1,048	1,048	0.01	0.04	1.46	—
Vendor	—	528	528	0.02	0.07	0.59	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

Annual	—	—	—	—	—	—	—
Worker	—	173	173	< 0.005	0.01	0.24	—
Vendor	—	87.3	87.3	< 0.005	0.01	0.10	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.14. Building Construction (2027) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	440	440	0.02	< 0.005	—	441
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	72.8	72.8	< 0.005	< 0.005	—	73.1
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	4,459	4,459	0.19	0.16	13.9	—
Vendor	—	2,160	2,160	0.09	0.30	5.63	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—

Worker	—	4,227	4,227	0.06	0.16	0.36	—
Vendor	—	2,161	2,161	0.09	0.30	0.15	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1,048	1,048	0.01	0.04	1.46	—
Vendor	—	528	528	0.02	0.07	0.59	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	173	173	< 0.005	0.01	0.24	—
Vendor	—	87.3	87.3	< 0.005	0.01	0.10	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.15. Foundation/Concrete Pour (2025) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	202	202	0.01	< 0.005	—	203
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	33.5	33.5	< 0.005	< 0.005	—	33.6
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	4,397	4,397	0.20	0.17	0.44	—
Vendor	—	2,242	2,242	0.09	0.31	0.16	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	501	501	0.02	0.02	0.82	—
Vendor	—	252	252	0.01	0.04	0.30	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	83.0	83.0	< 0.005	< 0.005	0.14	—
Vendor	—	41.7	41.7	< 0.005	0.01	0.05	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.16. Foundation/Concrete Pour (2025) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	1,801	1,801	0.07	0.01	—	1,807
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	202	202	0.01	< 0.005	—	203
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	33.5	33.5	< 0.005	< 0.005	—	33.6

Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	4,397	4,397	0.20	0.17	0.44	—
Vendor	—	2,242	2,242	0.09	0.31	0.16	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	501	501	0.02	0.02	0.82	—
Vendor	—	252	252	0.01	0.04	0.30	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	83.0	83.0	< 0.005	< 0.005	0.14	—
Vendor	—	41.7	41.7	< 0.005	0.01	0.05	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.17. Paving (2025) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	992	992	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	992	992	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—

Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	568	568	0.02	< 0.005	—	570
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	94.1	94.1	< 0.005	< 0.005	—	94.4
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	173	173	0.01	0.01	0.63	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	164	164	0.01	0.01	0.02	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	95.3	95.3	< 0.005	< 0.005	0.16	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	15.8	15.8	< 0.005	< 0.005	0.03	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.18. Paving (2025) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	992	992	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	992	992	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	568	568	0.02	< 0.005	—	570
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	94.1	94.1	< 0.005	< 0.005	—	94.4
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	173	173	0.01	0.01	0.63	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	164	164	0.01	0.01	0.02	—

Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	95.3	95.3	< 0.005	< 0.005	0.16	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	15.8	15.8	< 0.005	< 0.005	0.03	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.19. Paving (2026) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	991	991	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	991	991	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	850	850	0.03	0.01	—	853
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—

Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	141	141	0.01	< 0.005	—	141
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	169	169	0.01	0.01	0.57	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	161	161	0.01	0.01	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	140	140	0.01	0.01	0.21	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	23.1	23.1	< 0.005	< 0.005	0.04	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.20. Paving (2026) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—

Off-Road Equipment	—	991	991	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	991	991	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	850	850	0.03	0.01	—	853
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	141	141	0.01	< 0.005	—	141
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	169	169	0.01	0.01	0.57	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	161	161	0.01	0.01	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	140	140	0.01	0.01	0.21	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—

Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	23.1	23.1	< 0.005	< 0.005	0.04	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.21. Paving (2027) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	992	992	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	992	992	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	587	587	0.02	< 0.005	—	589
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	97.1	97.1	< 0.005	< 0.005	—	97.5
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	166	166	0.01	0.01	0.52	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	157	157	< 0.005	0.01	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	94.6	94.6	< 0.005	< 0.005	0.13	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	15.7	15.7	< 0.005	< 0.005	0.02	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.22. Paving (2027) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	992	992	0.04	0.01	—	995
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	992	992	0.04	0.01	—	995

Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	587	587	0.02	< 0.005	—	589
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	97.1	97.1	< 0.005	< 0.005	—	97.5
Paving	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	166	166	0.01	0.01	0.52	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	157	157	< 0.005	0.01	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	94.6	94.6	< 0.005	< 0.005	0.13	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	15.7	15.7	< 0.005	< 0.005	0.02	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.23. Architectural Coating (2027) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	32.6	32.6	< 0.005	< 0.005	—	32.7
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	5.39	5.39	< 0.005	< 0.005	—	5.41
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	1,783	1,783	0.08	0.06	5.56	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	1,691	1,691	0.02	0.06	0.14	—

Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	418	418	0.01	0.02	0.58	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	69.3	69.3	< 0.005	< 0.005	0.10	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.24. Architectural Coating (2027) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	32.6	32.6	< 0.005	< 0.005	—	32.7
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—

Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	5.39	5.39	< 0.005	< 0.005	—	5.41
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	1,783	1,783	0.08	0.06	5.56	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	1,691	1,691	0.02	0.06	0.14	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	418	418	0.01	0.02	0.58	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	69.3	69.3	< 0.005	< 0.005	0.10	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.25. Drainage/Utilities/Trenching (2025) - Unmitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	207	207	0.01	< 0.005	—	208
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	1.88	1.88	< 0.005	< 0.005	—	1.89
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	32.8	32.8	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1.82	1.82	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	0.30	0.30	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.26. Drainage/Utilities/Trenching (2025) - Mitigated

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

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	207	207	0.01	< 0.005	—	208
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	11.4	11.4	< 0.005	< 0.005	—	11.4
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	1.88	1.88	< 0.005	< 0.005	—	1.89
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	32.8	32.8	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1.82	1.82	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	0.30	0.30	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	2,161	2,161	0.15	0.02	—	2,172
High Turnover (Sit Down Restaurant)	—	335	335	0.02	< 0.005	—	337
Strip Mall	—	139	139	0.01	< 0.005	—	140
Enclosed Parking with Elevator	—	1,335	1,335	0.09	0.01	—	1,341
Total	—	3,971	3,971	0.28	0.04	—	3,989
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	2,161	2,161	0.15	0.02	—	2,172
High Turnover (Sit Down Restaurant)	—	335	335	0.02	< 0.005	—	337
Strip Mall	—	139	139	0.01	< 0.005	—	140
Enclosed Parking with Elevator	—	1,335	1,335	0.09	0.01	—	1,341
Total	—	3,971	3,971	0.28	0.04	—	3,989
Annual	—	—	—	—	—	—	—
Apartments High Rise	—	358	358	0.03	< 0.005	—	360

High Turnover (Sit Down Restaurant)	—	55.5	55.5	< 0.005	< 0.005	—	55.8
Strip Mall	—	23.0	23.0	< 0.005	< 0.005	—	23.1
Enclosed Parking with Elevator	—	221	221	0.02	< 0.005	—	222
Total	—	657	657	0.05	0.01	—	661

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	2,141	2,141	0.15	0.02	—	2,151
High Turnover (Sit Down Restaurant)	—	324	324	0.02	< 0.005	—	325
Strip Mall	—	130	130	0.01	< 0.005	—	131
Enclosed Parking with Elevator	—	1,335	1,335	0.09	0.01	—	1,341
Total	—	3,930	3,930	0.28	0.04	—	3,949
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	2,141	2,141	0.15	0.02	—	2,151
High Turnover (Sit Down Restaurant)	—	324	324	0.02	< 0.005	—	325
Strip Mall	—	130	130	0.01	< 0.005	—	131
Enclosed Parking with Elevator	—	1,335	1,335	0.09	0.01	—	1,341
Total	—	3,930	3,930	0.28	0.04	—	3,949
Annual	—	—	—	—	—	—	—
Apartments High Rise	—	354	354	0.03	< 0.005	—	356
High Turnover (Sit Down Restaurant)	—	53.6	53.6	< 0.005	< 0.005	—	53.9

Strip Mall	—	21.6	21.6	< 0.005	< 0.005	—	21.7
Enclosed Parking with Elevator	—	221	221	0.02	< 0.005	—	222
Total	—	651	651	0.05	0.01	—	654

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	1,107	1,107	0.10	< 0.005	—	1,110
High Turnover (Sit Down Restaurant)	—	165	165	0.01	< 0.005	—	166
Strip Mall	—	11.6	11.6	< 0.005	< 0.005	—	11.7
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	1,284	1,284	0.11	< 0.005	—	1,287
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	1,107	1,107	0.10	< 0.005	—	1,110
High Turnover (Sit Down Restaurant)	—	165	165	0.01	< 0.005	—	166
Strip Mall	—	11.6	11.6	< 0.005	< 0.005	—	11.7
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	1,284	1,284	0.11	< 0.005	—	1,287
Annual	—	—	—	—	—	—	—
Apartments High Rise	—	183	183	0.02	< 0.005	—	184
High Turnover (Sit Down Restaurant)	—	27.4	27.4	< 0.005	< 0.005	—	27.4
Strip Mall	—	1.93	1.93	< 0.005	< 0.005	—	1.93

Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	213	213	0.02	< 0.005	—	213

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	990	990	0.09	< 0.005	—	993
High Turnover (Sit Down Restaurant)	—	164	164	0.01	< 0.005	—	165
Strip Mall	—	11.5	11.5	< 0.005	< 0.005	—	11.6
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	1,166	1,166	0.10	< 0.005	—	1,170
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	990	990	0.09	< 0.005	—	993
High Turnover (Sit Down Restaurant)	—	164	164	0.01	< 0.005	—	165
Strip Mall	—	11.5	11.5	< 0.005	< 0.005	—	11.6
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	1,166	1,166	0.10	< 0.005	—	1,170
Annual	—	—	—	—	—	—	—
Apartments High Rise	—	164	164	0.01	< 0.005	—	164
High Turnover (Sit Down Restaurant)	—	27.2	27.2	< 0.005	< 0.005	—	27.3
Strip Mall	—	1.91	1.91	< 0.005	< 0.005	—	1.92
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	193	193	0.02	< 0.005	—	194
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4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
Daily, Summer (Max)	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	89.3	89.3	< 0.005	< 0.005	—	89.6
Total	0.00	89.3	89.3	< 0.005	< 0.005	—	89.6
Daily, Winter (Max)	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Total	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Total	0.00	10.1	10.1	< 0.005	< 0.005	—	10.2

4.3.2. Mitigated

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

Source	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	89.3	89.3	< 0.005	< 0.005	—	89.6
Total	0.00	89.3	89.3	< 0.005	< 0.005	—	89.6
Daily, Winter (Max)	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Total	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	10.1	10.1	< 0.005	< 0.005	—	10.2
Total	0.00	10.1	10.1	< 0.005	< 0.005	—	10.2

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	24.9	168	193	2.56	0.06	—	276
High Turnover (Sit Down Restaurant)	3.17	21.3	24.4	0.33	0.01	—	35.0

Strip Mall	1.05	7.04	8.08	0.11	< 0.005	—	11.6
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	29.1	197	226	2.99	0.07	—	322
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	24.9	168	193	2.56	0.06	—	276
High Turnover (Sit Down Restaurant)	3.17	21.3	24.4	0.33	0.01	—	35.0
Strip Mall	1.05	7.04	8.08	0.11	< 0.005	—	11.6
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	29.1	197	226	2.99	0.07	—	322
Annual	—	—	—	—	—	—	—
Apartments High Rise	4.12	27.9	32.0	0.42	0.01	—	45.6
High Turnover (Sit Down Restaurant)	0.52	3.52	4.05	0.05	< 0.005	—	5.79
Strip Mall	0.17	1.17	1.34	0.02	< 0.005	—	1.91
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	4.81	32.5	37.4	0.50	0.01	—	53.3

4.4.2. Mitigated

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

Land Use	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	24.9	168	193	2.56	0.06	—	276
High Turnover (Sit Down Restaurant)	3.17	21.3	24.4	0.33	0.01	—	35.0
Strip Mall	1.05	7.04	8.08	0.11	< 0.005	—	11.6

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	29.1	197	226	2.99	0.07	—	322
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	24.9	168	193	2.56	0.06	—	276
High Turnover (Sit Down Restaurant)	3.17	21.3	24.4	0.33	0.01	—	35.0
Strip Mall	1.05	7.04	8.08	0.11	< 0.005	—	11.6
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	29.1	197	226	2.99	0.07	—	322
Annual	—	—	—	—	—	—	—
Apartments High Rise	4.12	27.9	32.0	0.42	0.01	—	45.6
High Turnover (Sit Down Restaurant)	0.52	3.52	4.05	0.05	< 0.005	—	5.79
Strip Mall	0.17	1.17	1.34	0.02	< 0.005	—	1.91
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	4.81	32.5	37.4	0.50	0.01	—	53.3

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	110	0.00	110	11.0	0.00	—	385
High Turnover (Sit Down Restaurant)	34.9	0.00	34.9	3.49	0.00	—	122
Strip Mall	4.18	0.00	4.18	0.42	0.00	—	14.6

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	149	0.00	149	14.9	0.00	—	522
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	110	0.00	110	11.0	0.00	—	385
High Turnover (Sit Down Restaurant)	34.9	0.00	34.9	3.49	0.00	—	122
Strip Mall	4.18	0.00	4.18	0.42	0.00	—	14.6
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	149	0.00	149	14.9	0.00	—	522
Annual	—	—	—	—	—	—	—
Apartments High Rise	18.2	0.00	18.2	1.82	0.00	—	63.8
High Turnover (Sit Down Restaurant)	5.78	0.00	5.78	0.58	0.00	—	20.2
Strip Mall	0.69	0.00	0.69	0.07	0.00	—	2.42
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	24.7	0.00	24.7	2.47	0.00	—	86.4

4.5.2. Mitigated

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

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	110	0.00	110	11.0	0.00	—	385
High Turnover (Sit Down Restaurant)	34.9	0.00	34.9	3.49	0.00	—	122
Strip Mall	4.18	0.00	4.18	0.42	0.00	—	14.6
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	149	0.00	149	14.9	0.00	—	522
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	110	0.00	110	11.0	0.00	—	385
High Turnover (Sit Down Restaurant)	34.9	0.00	34.9	3.49	0.00	—	122
Strip Mall	4.18	0.00	4.18	0.42	0.00	—	14.6
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	149	0.00	149	14.9	0.00	—	522
Annual	—	—	—	—	—	—	—
Apartments High Rise	18.2	0.00	18.2	1.82	0.00	—	63.8
High Turnover (Sit Down Restaurant)	5.78	0.00	5.78	0.58	0.00	—	20.2
Strip Mall	0.69	0.00	0.69	0.07	0.00	—	2.42
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	24.7	0.00	24.7	2.47	0.00	—	86.4

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	3.32	3.32
High Turnover (Sit Down Restaurant)	—	—	—	—	—	8.51	8.51
Strip Mall	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	11.9	11.9

Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	3.32	3.32
High Turnover (Sit Down Restaurant)	—	—	—	—	—	8.51	8.51
Strip Mall	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	11.9	11.9
Annual	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	0.55	0.55
High Turnover (Sit Down Restaurant)	—	—	—	—	—	1.41	1.41
Strip Mall	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	1.97	1.97

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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	3.32	3.32
High Turnover (Sit Down Restaurant)	—	—	—	—	—	8.51	8.51
Strip Mall	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	11.9	11.9
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments High Rise	—	—	—	—	—	3.32	3.32
High Turnover (Sit Down Restaurant)	—	—	—	—	—	8.51	8.51
Strip Mall	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	11.9	11.9
Annual	—	—	—	—	—	—	—

Apartments High Rise	—	—	—	—	—	0.55	0.55
High Turnover (Sit Down Restaurant)	—	—	—	—	—	1.41	1.41
Strip Mall	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	1.97	1.97

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	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	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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
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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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
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	BCO ₂	NBCO ₂	CO ₂ T	CH ₄	N ₂ O	R	CO ₂ e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—
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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	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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Brisbane box	—	0.23	0.23	—	—	—	—
Mexican Fan Palm	—	1.00	1.00	—	—	—	—
Melaleuca leucadendra	—	-1.48	-1.48	—	—	—	—
Tristania conferta	—	-0.40	-0.40	—	—	—	—
Osmanthus fragrans	—	-2.57	-2.57	—	—	—	—
Acer negundo	—	-0.98	-0.98	—	—	—	—
Arbutus x 'Marina'	—	-1.44	-1.44	—	—	—	—
Cinnamomum amphora	—	-0.82	-0.82	—	—	—	—
Citrus Spp.	—	-0.61	-0.61	—	—	—	—
Metrosideros excelsa	—	-1.21	-1.21	—	—	—	—

Olea Europaea	—	-0.69	-0.69	—	—	—	—
Pittosporum eugeniodes	—	-1.23	-1.23	—	—	—	—
Quercus Suber	—	-3.75	-3.75	—	—	—	—
undefined	—	—	—	—	—	—	-14.0
Subtotal	—	-14.0	-14.0	—	—	—	-14.0
Sequestered	—	—	—	—	—	—	—
Brisbane box	—	0.56	0.56	—	—	—	—
Mexican Fan Palm	—	2.04	2.04	—	—	—	—
Melaleuca leucadendra	—	-3.45	-3.45	—	—	—	—
Tristania conferta	—	-2.91	-2.91	—	—	—	—
Osmanthus fragrans	—	-4.23	-4.23	—	—	—	—
Acer negundo	—	-6.10	-6.10	—	—	—	—
Arbutus x 'Marina'	—	-1.98	-1.98	—	—	—	—
Cinnamomum amphora	—	-3.16	-3.16	—	—	—	—
Citrus Spp.	—	-4.83	-4.83	—	—	—	—
Metrosideros excelsa	—	-7.53	-7.53	—	—	—	—
Olea Europaea	—	-3.53	-3.53	—	—	—	—
Pittosporum eugeniodes	—	-2.25	-2.25	—	—	—	—
Quercus Suber	—	-9.02	-9.02	—	—	—	—
undefined	—	—	—	—	—	—	-46.4
Subtotal	—	-46.4	-46.4	—	—	—	-46.4
Removed	—	—	—	—	—	—	—
Brisbane box	—	—	—	—	—	—	—
Mexican Fan Palm	—	—	—	—	—	—	—
Melaleuca leucadendra	—	—	—	—	—	—	—
Tristania conferta	—	—	—	—	—	—	—

Osmanthus fragrans	—	—	—	—	—	—	—
Acer negundo	—	—	—	—	—	—	—
Arbutus x 'Marina'	—	—	—	—	—	—	—
Cinnamomum amphora	—	—	—	—	—	—	—
Citrus Spp.	—	—	—	—	—	—	—
Metrosideros excelsa	—	—	—	—	—	—	—
Olea Europaea	—	—	—	—	—	—	—
Pittosporum eugeniodes	—	—	—	—	—	—	—
Quercus Suber	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-60.4	-60.4	—	—	—	-60.4
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Brisbane box	—	0.23	0.23	—	—	—	—
Mexican Fan Palm	—	1.00	1.00	—	—	—	—
Melaleuca leucadendra	—	-1.48	-1.48	—	—	—	—
Tristania conferta	—	-0.40	-0.40	—	—	—	—
Osmanthus fragrans	—	-2.57	-2.57	—	—	—	—
Acer negundo	—	-0.98	-0.98	—	—	—	—
Arbutus x 'Marina'	—	-1.44	-1.44	—	—	—	—
Cinnamomum amphora	—	-0.82	-0.82	—	—	—	—
Citrus Spp.	—	-0.61	-0.61	—	—	—	—
Metrosideros excelsa	—	-1.21	-1.21	—	—	—	—
Olea Europaea	—	-0.69	-0.69	—	—	—	—
Pittosporum eugeniodes	—	-1.23	-1.23	—	—	—	—

Quercus Suber	—	-3.75	-3.75	—	—	—	—
undefined	—	—	—	—	—	—	-14.0
Subtotal	—	-14.0	-14.0	—	—	—	-14.0
Sequestered	—	—	—	—	—	—	—
Brisbane box	—	0.56	0.56	—	—	—	—
Mexican Fan Palm	—	2.04	2.04	—	—	—	—
Melaleuca leucadendra	—	-3.45	-3.45	—	—	—	—
Tristania conferta	—	-2.91	-2.91	—	—	—	—
Osmanthus fragrans	—	-4.23	-4.23	—	—	—	—
Acer negundo	—	-6.10	-6.10	—	—	—	—
Arbutus x ‘Marina’	—	-1.98	-1.98	—	—	—	—
Cinnamomum amphora	—	-3.16	-3.16	—	—	—	—
Citrus Spp.	—	-4.83	-4.83	—	—	—	—
Metrosideros excelsa	—	-7.53	-7.53	—	—	—	—
Olea Europaea	—	-3.53	-3.53	—	—	—	—
Pittosporum eugeniodes	—	-2.25	-2.25	—	—	—	—
Quercus Suber	—	-9.02	-9.02	—	—	—	—
undefined	—	—	—	—	—	—	-46.4
Subtotal	—	-46.4	-46.4	—	—	—	-46.4
Removed	—	—	—	—	—	—	—
Brisbane box	—	—	—	—	—	—	—
Mexican Fan Palm	—	—	—	—	—	—	—
Melaleuca leucadendra	—	—	—	—	—	—	—
Tristania conferta	—	—	—	—	—	—	—
Osmanthus fragrans	—	—	—	—	—	—	—
Acer negundo	—	—	—	—	—	—	—
Arbutus x ‘Marina’	—	—	—	—	—	—	—

Cinnamomum amphora	—	—	—	—	—	—	—
Citrus Spp.	—	—	—	—	—	—	—
Metrosideros excelsa	—	—	—	—	—	—	—
Olea Europaea	—	—	—	—	—	—	—
Pittosporum eugeniodes	—	—	—	—	—	—	—
Quercus Suber	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-60.4	-60.4	—	—	—	-60.4
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Brisbane box	—	0.04	0.04	—	—	—	—
Mexican Fan Palm	—	0.16	0.16	—	—	—	—
Melaleuca leucadendra	—	-0.25	-0.25	—	—	—	—
Tristania conferta	—	-0.07	-0.07	—	—	—	—
Osmanthus fragrans	—	-0.43	-0.43	—	—	—	—
Acer negundo	—	-0.16	-0.16	—	—	—	—
Arbutus x 'Marina'	—	-0.24	-0.24	—	—	—	—
Cinnamomum amphora	—	-0.14	-0.14	—	—	—	—
Citrus Spp.	—	-0.10	-0.10	—	—	—	—
Metrosideros excelsa	—	-0.20	-0.20	—	—	—	—
Olea Europaea	—	-0.11	-0.11	—	—	—	—
Pittosporum eugeniodes	—	-0.20	-0.20	—	—	—	—
Quercus Suber	—	-0.62	-0.62	—	—	—	—
undefined	—	—	—	—	—	—	-2.31
Subtotal	—	-2.31	-2.31	—	—	—	-2.31

Sequestered	—	—	—	—	—	—	—
Brisbane box	—	0.09	0.09	—	—	—	—
Mexican Fan Palm	—	0.34	0.34	—	—	—	—
Melaleuca leucadendra	—	-0.57	-0.57	—	—	—	—
Tristania conferta	—	-0.48	-0.48	—	—	—	—
Osmanthus fragrans	—	-0.70	-0.70	—	—	—	—
Acer negundo	—	-1.01	-1.01	—	—	—	—
Arbutus x ‘Marina’	—	-0.33	-0.33	—	—	—	—
Cinnamomum amphora	—	-0.52	-0.52	—	—	—	—
Citrus Spp.	—	-0.80	-0.80	—	—	—	—
Metrosideros excelsa	—	-1.25	-1.25	—	—	—	—
Olea Europaea	—	-0.58	-0.58	—	—	—	—
Pittosporum eugeniodes	—	-0.37	-0.37	—	—	—	—
Quercus Suber	—	-1.49	-1.49	—	—	—	—
undefined	—	—	—	—	—	—	-7.68
Subtotal	—	-7.68	-7.68	—	—	—	-7.68
Removed	—	—	—	—	—	—	—
Brisbane box	—	—	—	—	—	—	—
Mexican Fan Palm	—	—	—	—	—	—	—
Melaleuca leucadendra	—	—	—	—	—	—	—
Tristania conferta	—	—	—	—	—	—	—
Osmanthus fragrans	—	—	—	—	—	—	—
Acer negundo	—	—	—	—	—	—	—
Arbutus x ‘Marina’	—	—	—	—	—	—	—
Cinnamomum amphora	—	—	—	—	—	—	—
Citrus Spp.	—	—	—	—	—	—	—
Metrosideros excelsa	—	—	—	—	—	—	—

Olea Europaea	—	—	—	—	—	—	—
Pittosporum eugenoides	—	—	—	—	—	—	—
Quercus Suber	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-10.00	-10.00	—	—	—	-10.00

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	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	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	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Brisbane box	—	0.23	0.23	—	—	—	—
Mexican Fan Palm	—	1.00	1.00	—	—	—	—
Melaleuca leucadendra	—	-1.48	-1.48	—	—	—	—
Tristania conferta	—	-0.40	-0.40	—	—	—	—
Osmanthus fragrans	—	-2.57	-2.57	—	—	—	—
Acer negundo	—	-0.98	-0.98	—	—	—	—
Arbutus x 'Marina'	—	-1.44	-1.44	—	—	—	—
Cinnamomum amphora	—	-0.82	-0.82	—	—	—	—
Citrus Spp.	—	-0.61	-0.61	—	—	—	—
Metrosideros excelsa	—	-1.21	-1.21	—	—	—	—
Olea Europaea	—	-0.69	-0.69	—	—	—	—
Pittosporum eugenoides	—	-1.23	-1.23	—	—	—	—
Quercus Suber	—	-3.75	-3.75	—	—	—	—
undefined	—	—	—	—	—	—	-14.0
Subtotal	—	-14.0	-14.0	—	—	—	-14.0
Sequestered	—	—	—	—	—	—	—
Brisbane box	—	0.56	0.56	—	—	—	—
Mexican Fan Palm	—	2.04	2.04	—	—	—	—
Melaleuca leucadendra	—	-3.45	-3.45	—	—	—	—
Tristania conferta	—	-2.91	-2.91	—	—	—	—
Osmanthus fragrans	—	-4.23	-4.23	—	—	—	—

Acer negundo	—	-6.10	-6.10	—	—	—	—
Arbutus x 'Marina'	—	-1.98	-1.98	—	—	—	—
Cinnamomum amphora	—	-3.16	-3.16	—	—	—	—
Citrus Spp.	—	-4.83	-4.83	—	—	—	—
Metrosideros excelsa	—	-7.53	-7.53	—	—	—	—
Olea Europaea	—	-3.53	-3.53	—	—	—	—
Pittosporum eugeniodes	—	-2.25	-2.25	—	—	—	—
Quercus Suber	—	-9.02	-9.02	—	—	—	—
undefined	—	—	—	—	—	—	-46.4
Subtotal	—	-46.4	-46.4	—	—	—	-46.4
Removed	—	—	—	—	—	—	—
Brisbane box	—	—	—	—	—	—	—
Mexican Fan Palm	—	—	—	—	—	—	—
Melaleuca leucadendra	—	—	—	—	—	—	—
Tristania conferta	—	—	—	—	—	—	—
Osmanthus fragrans	—	—	—	—	—	—	—
Acer negundo	—	—	—	—	—	—	—
Arbutus x 'Marina'	—	—	—	—	—	—	—
Cinnamomum amphora	—	—	—	—	—	—	—
Citrus Spp.	—	—	—	—	—	—	—
Metrosideros excelsa	—	—	—	—	—	—	—
Olea Europaea	—	—	—	—	—	—	—
Pittosporum eugeniodes	—	—	—	—	—	—	—
Quercus Suber	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

Total	—	-60.4	-60.4	—	—	—	-60.4
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Brisbane box	—	0.23	0.23	—	—	—	—
Mexican Fan Palm	—	1.00	1.00	—	—	—	—
Melaleuca leucadendra	—	-1.48	-1.48	—	—	—	—
Tristania conferta	—	-0.40	-0.40	—	—	—	—
Osmanthus fragrans	—	-2.57	-2.57	—	—	—	—
Acer negundo	—	-0.98	-0.98	—	—	—	—
Arbutus x ‘Marina’	—	-1.44	-1.44	—	—	—	—
Cinnamomum amphora	—	-0.82	-0.82	—	—	—	—
Citrus Spp.	—	-0.61	-0.61	—	—	—	—
Metrosideros excelsa	—	-1.21	-1.21	—	—	—	—
Olea Europaea	—	-0.69	-0.69	—	—	—	—
Pittosporum eugeniodes	—	-1.23	-1.23	—	—	—	—
Quercus Suber	—	-3.75	-3.75	—	—	—	—
undefined	—	—	—	—	—	—	-14.0
Subtotal	—	-14.0	-14.0	—	—	—	-14.0
Sequestered	—	—	—	—	—	—	—
Brisbane box	—	0.56	0.56	—	—	—	—
Mexican Fan Palm	—	2.04	2.04	—	—	—	—
Melaleuca leucadendra	—	-3.45	-3.45	—	—	—	—
Tristania conferta	—	-2.91	-2.91	—	—	—	—
Osmanthus fragrans	—	-4.23	-4.23	—	—	—	—
Acer negundo	—	-6.10	-6.10	—	—	—	—
Arbutus x ‘Marina’	—	-1.98	-1.98	—	—	—	—
Cinnamomum amphora	—	-3.16	-3.16	—	—	—	—

Citrus Spp.	—	-4.83	-4.83	—	—	—	—
Metrosideros excelsa	—	-7.53	-7.53	—	—	—	—
Olea Europaea	—	-3.53	-3.53	—	—	—	—
Pittosporum eugeniodes	—	-2.25	-2.25	—	—	—	—
Quercus Suber	—	-9.02	-9.02	—	—	—	—
undefined	—	—	—	—	—	—	-46.4
Subtotal	—	-46.4	-46.4	—	—	—	-46.4
Removed	—	—	—	—	—	—	—
Brisbane box	—	—	—	—	—	—	—
Mexican Fan Palm	—	—	—	—	—	—	—
Melaleuca leucadendra	—	—	—	—	—	—	—
Tristania conferta	—	—	—	—	—	—	—
Osmanthus fragrans	—	—	—	—	—	—	—
Acer negundo	—	—	—	—	—	—	—
Arbutus x 'Marina'	—	—	—	—	—	—	—
Cinnamomum amphora	—	—	—	—	—	—	—
Citrus Spp.	—	—	—	—	—	—	—
Metrosideros excelsa	—	—	—	—	—	—	—
Olea Europaea	—	—	—	—	—	—	—
Pittosporum eugeniodes	—	—	—	—	—	—	—
Quercus Suber	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-60.4	-60.4	—	—	—	-60.4
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—

Brisbane box	—	0.04	0.04	—	—	—	—
Mexican Fan Palm	—	0.16	0.16	—	—	—	—
Melaleuca leucadendra	—	-0.25	-0.25	—	—	—	—
Tristania conferta	—	-0.07	-0.07	—	—	—	—
Osmanthus fragrans	—	-0.43	-0.43	—	—	—	—
Acer negundo	—	-0.16	-0.16	—	—	—	—
Arbutus x ‘Marina’	—	-0.24	-0.24	—	—	—	—
Cinnamomum amphora	—	-0.14	-0.14	—	—	—	—
Citrus Spp.	—	-0.10	-0.10	—	—	—	—
Metrosideros excelsa	—	-0.20	-0.20	—	—	—	—
Olea Europaea	—	-0.11	-0.11	—	—	—	—
Pittosporum eugeniodes	—	-0.20	-0.20	—	—	—	—
Quercus Suber	—	-0.62	-0.62	—	—	—	—
undefined	—	—	—	—	—	—	-2.31
Subtotal	—	-2.31	-2.31	—	—	—	-2.31
Sequestered	—	—	—	—	—	—	—
Brisbane box	—	0.09	0.09	—	—	—	—
Mexican Fan Palm	—	0.34	0.34	—	—	—	—
Melaleuca leucadendra	—	-0.57	-0.57	—	—	—	—
Tristania conferta	—	-0.48	-0.48	—	—	—	—
Osmanthus fragrans	—	-0.70	-0.70	—	—	—	—
Acer negundo	—	-1.01	-1.01	—	—	—	—
Arbutus x ‘Marina’	—	-0.33	-0.33	—	—	—	—
Cinnamomum amphora	—	-0.52	-0.52	—	—	—	—
Citrus Spp.	—	-0.80	-0.80	—	—	—	—
Metrosideros excelsa	—	-1.25	-1.25	—	—	—	—
Olea Europaea	—	-0.58	-0.58	—	—	—	—

Pittosporum eugeniodes	—	-0.37	-0.37	—	—	—	—
Quercus Suber	—	-1.49	-1.49	—	—	—	—
undefined	—	—	—	—	—	—	-7.68
Subtotal	—	-7.68	-7.68	—	—	—	-7.68
Removed	—	—	—	—	—	—	—
Brisbane box	—	—	—	—	—	—	—
Mexican Fan Palm	—	—	—	—	—	—	—
Melaleuca leucadendra	—	—	—	—	—	—	—
Tristania conferta	—	—	—	—	—	—	—
Osmanthus fragrans	—	—	—	—	—	—	—
Acer negundo	—	—	—	—	—	—	—
Arbutus x 'Marina'	—	—	—	—	—	—	—
Cinnamomum amphora	—	—	—	—	—	—	—
Citrus Spp.	—	—	—	—	—	—	—
Metrosideros excelsa	—	—	—	—	—	—	—
Olea Europaea	—	—	—	—	—	—	—
Pittosporum eugeniodes	—	—	—	—	—	—	—
Quercus Suber	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-10.00	-10.00	—	—	—	-10.00

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
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Demolition	Demolition	9/9/2024	10/1/2024	6.00	20.0	—
Site Preparation	Site Preparation	10/5/2024	10/24/2024	6.00	17.0	—
Grading/Excavation	Grading	10/9/2024	2/15/2025	6.00	112	—
Building Construction	Building Construction	4/1/2025	4/14/2027	6.00	638	—
Foundation/Concrete Pour	Building Construction	2/1/2025	3/20/2025	6.00	41.0	—
Paving	Paving	5/2/2025	9/9/2027	6.00	738	—
Architectural Coating	Architectural Coating	1/1/2027	4/14/2027	6.00	89.0	—
Drainage/Utilities/Trenching	Trenching	2/1/2025	2/24/2025	6.00	20.0	—

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	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading/Excavation	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading/Excavation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading/Excavation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74

Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Foundation/Concrete Pour	Cranes	Diesel	Average	1.00	6.00	367	0.29
Foundation/Concrete Pour	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Foundation/Concrete Pour	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Foundation/Concrete Pour	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Foundation/Concrete Pour	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Drainage/Utilities/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	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Demolition	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41

Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Grading/Excavation	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading/Excavation	Tractors/Loaders/Backhoes	Diesel	Average	2.00	7.00	84.0	0.37
Grading/Excavation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Cranes	Diesel	Average	1.00	6.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Foundation/Concrete Pour	Cranes	Diesel	Average	1.00	6.00	367	0.29
Foundation/Concrete Pour	Forklifts	Diesel	Average	1.00	6.00	82.0	0.20
Foundation/Concrete Pour	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Foundation/Concrete Pour	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Foundation/Concrete Pour	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Paving	Pavers	Diesel	Average	1.00	6.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	1.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	1.00	7.00	36.0	0.38
Paving	Cement and Mortar Mixers	Diesel	Average	1.00	6.00	10.0	0.56
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

Drainage/Utilities/Trenc	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
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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	12.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	26.9	30.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	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/Excavation	—	—	—	—
Grading/Excavation	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading/Excavation	Vendor	—	10.2	HHDT,MHDT
Grading/Excavation	Hauling	271	30.0	HHDT
Grading/Excavation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	336	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	70.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—

Paving	Worker	12.5	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	134	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
Foundation/Concrete Pour	—	—	—	—
Foundation/Concrete Pour	Worker	336	18.5	LDA,LDT1,LDT2
Foundation/Concrete Pour	Vendor	70.6	10.2	HHDT,MHDT
Foundation/Concrete Pour	Hauling	0.00	20.0	HHDT
Foundation/Concrete Pour	Onsite truck	—	—	HHDT
Drainage/Utilities/Trenching	—	—	—	—
Drainage/Utilities/Trenching	Worker	2.50	18.5	LDA,LDT1,LDT2
Drainage/Utilities/Trenching	Vendor	—	10.2	HHDT,MHDT
Drainage/Utilities/Trenching	Hauling	0.00	20.0	HHDT
Drainage/Utilities/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	12.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	26.9	30.0	HHDT
Demolition	Onsite truck	—	—	HHDT

Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	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/Excavation	—	—	—	—
Grading/Excavation	Worker	10.0	18.5	LDA,LDT1,LDT2
Grading/Excavation	Vendor	—	10.2	HHDT,MHDT
Grading/Excavation	Hauling	271	30.0	HHDT
Grading/Excavation	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	336	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	70.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	12.5	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	134	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
Foundation/Concrete Pour	—	—	—	—
Foundation/Concrete Pour	Worker	336	18.5	LDA,LDT1,LDT2

Foundation/Concrete Pour	Vendor	70.6	10.2	HHDT,MHDT
Foundation/Concrete Pour	Hauling	0.00	20.0	HHDT
Foundation/Concrete Pour	Onsite truck	—	—	HHDT
Drainage/Utilities/Trenching	—	—	—	—
Drainage/Utilities/Trenching	Worker	2.50	18.5	LDA,LDT1,LDT2
Drainage/Utilities/Trenching	Vendor	—	10.2	HHDT,MHDT
Drainage/Utilities/Trenching	Hauling	0.00	20.0	HHDT
Drainage/Utilities/Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

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	939,511	313,170	19,232	6,411	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	2,150	—
Site Preparation	—	—	15.9	0.00	—
Grading/Excavation	—	152,032	112	0.00	—
Paving	0.00	0.00	0.00	0.00	0.00

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
Apartments High Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Strip Mall	0.00	0%
Enclosed Parking with Elevator	0.00	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
2027	0.00	690	0.05	0.01

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
Total all Land Uses	1,678	1,678	1,678	612,470	10,368	10,368	10,368	3,784,320

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Total all Land Uses	1,678	1,678	1,678	612,470	10,368	10,368	10,368	3,784,320

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments High Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	348
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments High Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0

Electric Fireplaces	0
No Fireplaces	348
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

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)
939510.8999999999	313,170	19,232	6,411	—

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)
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Apartments High Rise	1,142,656	690	0.0489	0.0069	3,454,025
High Turnover (Sit Down Restaurant)	32,570	690	0.0489	0.0069	94,730
High Turnover (Sit Down Restaurant)	144,709	690	0.0489	0.0069	420,884
Strip Mall	73,459	690	0.0489	0.0069	36,330
Enclosed Parking with Elevator	705,802	690	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)
Apartments High Rise	1,131,947	690	0.0489	0.0069	3,090,301
High Turnover (Sit Down Restaurant)	31,450	690	0.0489	0.0069	94,250
High Turnover (Sit Down Restaurant)	139,734	690	0.0489	0.0069	418,752
Strip Mall	68,873	690	0.0489	0.0069	36,029
Enclosed Parking with Elevator	705,802	690	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)
Apartments High Rise	12,971,282	120,691
High Turnover (Sit Down Restaurant)	303,534	0.00
High Turnover (Sit Down Restaurant)	1,348,600	0.00
Strip Mall	546,507	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments High Rise	12,971,282	120,691
High Turnover (Sit Down Restaurant)	303,534	0.00
High Turnover (Sit Down Restaurant)	1,348,600	0.00
Strip Mall	546,507	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments High Rise	204	—
High Turnover (Sit Down Restaurant)	11.9	—
High Turnover (Sit Down Restaurant)	52.9	—
Strip Mall	7.75	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments High Rise	204	—
High Turnover (Sit Down Restaurant)	11.9	—
High Turnover (Sit Down Restaurant)	52.9	—
Strip Mall	7.75	—
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
Apartments High Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments High Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
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
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
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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Apartments High Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments High Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
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
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
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

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
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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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
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5.16.2. Process Boilers

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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Melaleuca leucadendra	11.0	—	—
Tristania conferta	3.00	—	—
Osmanthus fragrans	6.00	—	—
Acer negundo	11.0	—	—
Arbutus x 'Marina'	10.0	—	—
Cinnamomum amphora	5.00	—	—
Citrus Spp.	16.0	—	—
Metrosideros excelsa	9.00	—	—
Olea Europaea	11.0	—	—
Pittosporum eugeniodes	10.0	—	—
Quercus Suber	40.0	—	—
Brisbane box	-6.00	3,130	12.0
Mexican Fan Palm	-5.00	12,447	61.0

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Melaleuca leucadendra	11.0	—	—
Tristania conferta	3.00	—	—
Osmanthus fragrans	6.00	—	—

Acer negundo	11.0	—	—
Arbutus x 'Marina'	10.0	—	—
Cinnamomum amphora	5.00	—	—
Citrus Spp.	16.0	—	—
Metrosideros excelsa	9.00	—	—
Olea Europaea	11.0	—	—
Pittosporum eugenioides	10.0	—	—
Quercus Suber	40.0	—	—
Brisbane box	-6.00	3,130	12.0
Mexican Fan Palm	-5.00	12,447	61.0

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	5.47	annual days of extreme heat
Extreme Precipitation	5.55	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 $\frac{3}{4}$ 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
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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	53.7
AQ-PM	71.5
AQ-DPM	83.4
Drinking Water	92.5
Lead Risk Housing	40.0
Pesticides	0.00
Toxic Releases	75.7
Traffic	75.9
Effect Indicators	—
CleanUp Sites	21.1
Groundwater	47.4
Haz Waste Facilities/Generators	72.6
Impaired Water Bodies	0.00
Solid Waste	0.00

Sensitive Population	—
Asthma	28.0
Cardio-vascular	49.2
Low Birth Weights	28.4
Socioeconomic Factor Indicators	—
Education	1.77
Housing	85.5
Linguistic	17.3
Poverty	33.2
Unemployment	28.2

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	67.90709611
Employed	98.33183626
Median HI	33.87655588
Education	—
Bachelor's or higher	90.33748236
High school enrollment	100
Preschool enrollment	87.73258052
Transportation	—
Auto Access	8.494803028
Active commuting	87.92506095
Social	—
2-parent households	68.36904915

Voting	69.48543565
Neighborhood	—
Alcohol availability	4.516874118
Park access	36.45579366
Retail density	48.82586937
Supermarket access	94.25125112
Tree canopy	58.62953933
Housing	—
Homeownership	0.436288977
Housing habitability	44.02669062
Low-inc homeowner severe housing cost burden	99.12742205
Low-inc renter severe housing cost burden	49.35198255
Uncrowded housing	70.98678301
Health Outcomes	—
Insured adults	43.44924933
Arthritis	98.7
Asthma ER Admissions	78.2
High Blood Pressure	98.8
Cancer (excluding skin)	91.6
Asthma	65.7
Coronary Heart Disease	98.7
Chronic Obstructive Pulmonary Disease	97.7
Diagnosed Diabetes	98.9
Life Expectancy at Birth	52.3
Cognitively Disabled	99.5
Physically Disabled	96.9
Heart Attack ER Admissions	63.3

Mental Health Not Good	71.0
Chronic Kidney Disease	99.0
Obesity	79.9
Pedestrian Injuries	63.8
Physical Health Not Good	96.7
Stroke	98.4
Health Risk Behaviors	—
Binge Drinking	2.2
Current Smoker	66.4
No Leisure Time for Physical Activity	96.9
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	92.2
Elderly	92.9
English Speaking	43.8
Foreign-born	59.2
Outdoor Workers	74.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	1.0
Traffic Density	81.1
Traffic Access	87.4
Other Indices	—
Hardship	6.2
Other Decision Support	—
2016 Voting	43.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	42.0
Healthy Places Index Score for Project Location (b)	74.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Project plans. Population estimate from City of Los Angeles VMT Calculator, v1.3
Construction: Construction Phases	Developer information
Construction: Off-Road Equipment	—
Construction: Trips and VMT	30-mile distance to landfill.
Operations: Hearths	Project plans



DOUGLASKIM+ASSOCIATES,LLC

GREENHOUSE GAS EMISSIONS OVERVIEW

5411 Wilshire Boulevard Project

GHG Emissions Impact Compared to "Project Without Reduction Features" Scenario

Source	Project Without Reduction Features (2027)	As Proposed (2027)	Reduction from Project Without Reduction Features	Change from Project Without Reduction Features
Area	10	10	-	0%
Energy	1,507	874	(633)	-42%
Mobile	9,415	6,609	(2,806)	-30%
Waste	86	86	-	0%
Water	67	53	(13)	-20%
Refrigerants	2	2	-	0%
Construction	160	160	-	0%
Total Emissions	11,247	7,795	(3,452)	-30.7%
Existing Emissions	(1,749)	(1,749)		
Net Emissions	9,498	6,046	(3,452)	-36.3%



DOUGLASKIM+ASSOCIATES,LLC

TREE ANALYSIS

Project Report - i-Tree Planting Calculator

Location: Los Angeles, California 90004

Electricity Emissions Factor: 252.40 kilograms CO2 equivalent/MWh

Fuel Emissions Factor: 52.00 kilograms CO2 equivalent/MMBtu

Lifetime: 40 years

Project Lifetime Tree Mortality: 70%



All amounts in the tables are for the full lifetime of the project.

Location		CO ₂ (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	CO ₂ (Carbon Dioxide) Avoided (pounds)	CO ₂ Avoided (\$)	CO ₂ Sequestered (pounds)	CO ₂ Sequestered (\$)
1	(5.0) Mexican fan palm(Washingtonia robusta) at 5.0 inches DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	3,300.7	\$76.76	8,127.0	\$189.01
2	(6.0) Lophostemon spp(Lophostemon) at 5.0 inches DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	14,530.5	\$337.93	29,791.4	\$692.86
Total		17,831.2	\$414.70	37,918.5	\$881.87

Location		Energy Benefits			
Group Identifier	Tree Group Characteristics	Electricity Saved (kWh) (Kilowatt-Hours)	Electricity Saved (\$)	Fuel Saved (MMBtu) (Millions of British Thermal Units)	Fuel Saved (\$)
1	(5.0) Mexican fan palm(<i>Washingtonia robusta</i>) at 5.0 inches DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	3,130.9	\$640.90	12.1	\$156.77
2	(6.0) <i>Lophostemon</i> spp(<i>Lophostemon</i>) at 5.0 inches DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	12,446.7	\$2,547.84	60.5	\$782.25
Total		15,577.6	\$3,188.74	72.6	\$939.02

Location		Ecological Benefits			
Group Identifier	Tree Group Characteristics	Tree Biomass (short ton)	Rainfall Interception (gallons)	Runoff Avoided (gallons)	Runoff Avoided (\$)
1	(5.0) Mexican fan palm(<i>Washingtonia robusta</i>) at 5.0 inches DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	1.3	86,674.0	26,359.1	\$235.54
2	(6.0) <i>Lophostemon</i> spp(<i>Lophostemon</i>) at 5.0 inches DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	3.8	58,505.8	17,792.6	\$158.99
Total		5.1	145,179.8	44,151.7	\$394.54

Location		Air Benefits									
Group Identifier	Tree Group Characteristics	O ₃ (Ozone) Removed (pounds)	NO ₂ (Nitrogen Dioxide) Avoided (pounds)	NO ₂ (Nitrogen Dioxide) Removed (pounds)	SO ₂ (Sulfur Dioxide) Avoided (pounds)	SO ₂ (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	PM _{2.5} (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	PM _{2.5} (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) (\$)	Removal Value (Values for removed pollutants) (\$)

1	• (5.0) Mexican fan palm(<i>Washingtonia robusta</i>) at 5.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	79.02	0.24	17.96	0.84	1.44	1.63	1.03	0.44	\$5.71	\$436.26
2	• (6.0) <i>Lophostemon</i> spp(<i>Lophostemon</i>) at 5.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	78.20	1.05	19.70	3.68	1.37	6.56	4.10	0.94	\$23.18	\$521.48
Total		157.22	1.28	37.65	4.51	2.81	8.19	5.13	1.39	\$28.89	\$957.74

Sequestration and biomass are gross values that exclude losses to mortality.

Application v2.6.0, powered by engine v0.13.0 (APIv2) and database v12.0.49.



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Version 2.6.0

Project Report - i-Tree Planting Calculator

Location: Los Angeles, California 90004

Electricity Emissions Factor: 252.40 kilograms CO2 equivalent/MWh

Fuel Emissions Factor: 52.00 kilograms CO2 equivalent/MMBtu

Lifetime: 40 years

Project Lifetime Tree Mortality: 70%

All amounts in the tables are for the full lifetime of the project.



Location		CO ₂ (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	CO ₂ (Carbon Dioxide) Avoided (pounds)	CO ₂ Avoided (\$)	CO ₂ Sequestered (pounds)	CO ₂ Sequestered (\$)
3	(11.0) Melaleuca spp(Melaleuca) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	21,653.4	\$503.59	50,320.3	\$1,170.30
4	(3.0) Tristania spp(Tristania) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	5,908.3	\$137.41	42,555.4	\$989.71
5	(16.0) Delavay tea olive(Osmanthus delavayi) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	37,553.4	\$873.38	61,728.6	\$1,435.62
6	(11.0) Acer mandshuricum(Acer mandshuricum) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	14,347.6	\$333.68	89,079.1	\$2,071.70
7	(10.0) Strawberry tree(Arbutus unedo) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	21,028.2	\$489.05	28,895.6	\$672.02

Location		CO ₂ (Carbon Dioxide) Benefits			
Group Identifier	Tree Group Characteristics	CO ₂ (Carbon Dioxide) Avoided (pounds)	CO ₂ Avoided (\$)	CO ₂ Sequestered (pounds)	CO ₂ Sequestered (\$)
8	(5.0) Cinnamomum glaziovii(Cinnamomum glaziovii) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	12,030.3	\$279.79	46,173.6	\$1,073.86
9	(16.0) Citrus spp(Citrus) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	8,844.5	\$205.70	70,562.9	\$1,641.08
10	(9.0) Kermadec pohutakawa(Metrosideros kermadecensis) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	17,725.0	\$412.23	109,957.2	\$2,557.27
11	(11.0) Olearia spp(Olearia) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	10,100.0	\$234.90	51,528.2	\$1,198.39
12	(10.0) Pittosporum ellipticum(Pittosporum ellipticum) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	17,961.9	\$417.74	32,838.8	\$763.73
13	(40.0) Quercus salicifolia(Quercus salicifolia) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	54,736.0	\$1,272.99	131,705.9	\$3,063.07
Total		221,888.6	\$5,160.44	715,345.6	\$16,636.73

Location		Energy Benefits			
Group Identifier	Tree Group Characteristics	Electricity Saved (kWh) (Kilowatt-Hours)	Electricity Saved (\$)	Fuel Saved (MMBtu) (Millions of British Thermal Units)	Fuel Saved (\$)
3	(11.0) Melaleuca spp(Melaleuca) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	18,741.0	\$3,836.27	89.1	\$1,152.42
4	(3.0) Tristania spp(Tristania) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	5,112.3	\$1,046.50	24.3	\$314.54
5	(16.0) Delavay tea olive(Osmanthus delavayi) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	31,893.0	\$6,528.51	157.7	\$2,040.63
6	(11.0) Acer mandshuricum(Acer mandshuricum) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	14,645.4	\$2,997.91	47.1	\$610.07
7	(10.0) Strawberry tree(Arbutus unedo) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	17,988.5	\$3,682.24	87.6	\$1,133.72

Location		Energy Benefits			
Group Identifier	Tree Group Characteristics	Electricity Saved (kWh) (Kilowatt-Hours)	Electricity Saved (\$)	Fuel Saved (MMBtu) (Millions of British Thermal Units)	Fuel Saved (\$)
8	(5.0) Cinnamomum glaziovii(Cinnamomum glaziovii) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	10,195.8	\$2,087.08	50.6	\$655.18
9	(16.0) Citrus spp(Citrus) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	8,058.3	\$1,649.54	34.2	\$442.91
10	(9.0) Kermadec pohutakawa(Metrosideros kermadecensis) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	15,337.0	\$3,139.49	72.9	\$943.62
11	(11.0) Olearia spp(Olearia) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	9,665.3	\$1,978.49	36.6	\$473.87
12	(10.0) Pittosporum ellipticum(Pittosporum ellipticum) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	15,518.8	\$3,176.69	74.0	\$957.83

Location		Energy Benefits			
Group Identifier	Tree Group Characteristics	Electricity Saved (kWh) (Kilowatt-Hours)	Electricity Saved (\$)	Fuel Saved (MMBtu) (Millions of British Thermal Units)	Fuel Saved (\$)
13	(40.0) Quercus salicifolia(Quercus salicifolia) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	55,825.8	\$11,427.54	180.1	\$2,330.61
Total		202,981.2	\$41,550.26	854.4	\$11,055.40

Location		Ecological Benefits			
Group Identifier	Tree Group Characteristics	Tree Biomass (short ton)	Rainfall Interception (gallons)	Runoff Avoided (gallons)	Runoff Avoided (\$)
3	(11.0) Melaleuca spp(Melaleuca) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	6.9	105,641.1	32,127.3	\$287.09
4	(3.0) Tristania spp(Tristania) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	7.1	21,419.6	6,514.1	\$58.21
5	(16.0) Delavay tea olive(Osmanthus delavayi) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	8.4	117,432.0	35,713.1	\$319.13
6	(11.0) Acer mandshuricum(Acer mandshuricum) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	14.9	86,594.2	26,334.8	\$235.33
7	(10.0) Strawberry tree(Arbutus unedo) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	4.5	63,343.2	19,263.8	\$172.14
8	(5.0) Cinnamomum glaziovii(Cinnamomum glaziovii) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	7.8	51,653.9	15,708.9	\$140.37

Location		Ecological Benefits			
Group Identifier	Tree Group Characteristics	Tree Biomass (short ton)	Rainfall Interception (gallons)	Runoff Avoided (gallons)	Runoff Avoided (\$)
9	(16.0) Citrus spp(Citrus) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	9.7	134,339.7	40,855.0	\$365.08
10	(9.0) Kermadec pohutakawa(Metrosideros kermadecensis) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	18.4	64,258.8	19,542.2	\$174.63
11	(11.0) Olearia spp(Olearia) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	7.0	62,904.7	19,130.4	\$170.95
12	(10.0) Pittosporum ellipticum(Pittosporum ellipticum) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	4.5	38,360.7	11,666.1	\$104.25
13	(40.0) Quercus salicifolia(Quercus salicifolia) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	17.4	337,966.0	102,781.4	\$918.45
Total		106.6	1,083,913.9	329,637.2	\$2,945.64

Location		Air Benefits									
Group Identifier	Tree Group Characteristics	O ₃ (Ozone) Removed (pounds)	NO ₂ (Nitrogen Dioxide) Avoided (pounds)	NO ₂ (Nitrogen Dioxide) Removed (pounds)	SO ₂ (Sulfur Dioxide) Avoided (pounds)	SO ₂ (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	PM _{2.5} (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	PM _{2.5} (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants)) (\$)	Removal Value (Values for removed pollutants)) (\$)

3	(11.0) Melaleuca spp(Melaleuca) at 1.0 inch <u>DBH (Diameter at Breast Height)</u>. - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	130.39	1.56	32.20	5.48	2.30	9.87	6.17	1.36	\$34.82	\$832.06
4	(3.0) Ttristania spp(Tristania) at 1.0 inch <u>DBH (Diameter at Breast Height)</u>. - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	31.20	0.42	8.07	1.50	0.54	2.69	1.68	0.47	\$9.50	\$223.90
5	(16.0) Delavay tea olive(Osmanthus delavayi) at 1.0 inch <u>DBH (Diameter at Breast Height)</u>. - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	165.03	2.70	42.04	9.50	2.88	16.83	10.52	2.13	\$59.51	\$1,125.08

6	(11.0) Acer mandshuricum(Acer mandshuricum) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	129.37	1.03	31.46	3.63	2.03	7.59	4.80	1.80	\$26.32	\$868.55
7	(10.0) Strawberry tree(Arbutus unedo) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	69.82	1.51	16.69	5.32	1.25	9.48	5.93	0.57	\$33.51	\$416.87
8	(5.0) Cinnamomum glaziovii(Cinnamomum glaziovii) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	63.26	0.87	15.54	3.04	1.12	5.38	3.36	0.63	\$19.03	\$397.32

9	• (16.0) Citrus spp(Citrus) at 1.0 inch DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	151.75	0.64	36.49	2.24	2.70	4.22	2.65	1.29	\$14.81	\$915.12
10	• (9.0) Kermadec pohutakawa(Metrosideros kermadecensis) at 1.0 inch DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	106.38	1.27	27.94	4.49	1.83	8.08	5.05	1.76	\$28.50	\$794.08
11	• (11.0) Olearia spp(Olearia) at 1.0 inch DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	78.55	0.73	19.41	2.56	1.39	5.04	3.17	0.81	\$17.59	\$500.06

12	(10.0) Pittosporum ellipticum(Pittosporum ellipticum) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	50.05	1.29	12.52	4.55	0.88	8.17	5.11	0.57	\$28.85	\$328.01
13	(40.0) Quercus salicifolia(Quercus salicifolia) at 1.0 inch DBH (Diameter at Breast Height). - Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. - Trees are in excellent condition and planted in full sun.	457.51	3.94	108.41	13.85	7.24	28.93	18.29	5.23	\$100.33	\$2,893.70
Total		1,433.31	15.96	350.75	56.16	24.15	106.28	66.74	16.61	\$372.77	\$9,294.75

Sequestration and biomass are gross values that exclude losses to mortality.

Application v2.6.0, powered by engine v0.13.0 (APIv2) and database v12.0.49.



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Version 2.6.0