

Appendix B
Air Quality and Greenhouse
Gas Model Outputs,
Calculations, and Emission
Summary

B.1-1 Assumptions

Irwindale Housing Element and General Plan Update
Operational & Existing Assumptions

CalEEMod Inputs (Non-Default information only)

Project Location: City of Irwindale
 County: Los Angeles
 Air District: South Coast
 RSA: 9
 Operational Year: 2029
 Utility Provider: Southern California Edison

Housing Sites Inventory

Site	Proposed Acres	Target Housing Type	Min. Density Proposed	Max Density Proposed	Assumed Density	V/L/L	Estimated Units		Estimated Total Capacity
							Mod.	Above Mod.	
Site 1	10	Single-Family	8	18	12		84	36	120
Site 2	1	Apts/Condos	21	30	21	21			21
Site 3	4	Apts/Condos	21	30	21			84	84
Site 4	1	Apts/Condos	21	30	21	21			21
Site 5	1	Apts/Condos Townhouses	21 8	30 14	21 12	11	12	10	33
							TOTAL PPOTENTIAL I		279

Source: Source: 2.0 Project Description, Proposed Housing Sites Inventory, Table 2-4

Last Update: 2/7/2025

Trip Generation: Project Area	Size (DU)	Daily trip ends volume	AM Peak Hour Vol			PM Peak Hour Vol			
			In	Out	Total	In	Out	Total	
Site 1	Single-Family Residential	120	1132	21	63	84	71	42	113
Site 2	Affordable Housing	21	101	3	8	11	6	4	10
Site 3	Multi-family Residential	84	381	7	24	31	20	13	33
Site 4	Affordable Housing	21	101	3	8	11	6,000	4	10
Site 5	Multi-family Residential Affordable Housing	22 11	100 53	2 2	6 4	8	5 3	4 2	9 5
Total		279	1868	38	113	151	111	69	180

Source: LINSKOTT, LAW & GREENSPAN - Traffic Analysis Report Table 2-3

*Affordable housing is assumed to be multi-family housing ITE Land Use Code 221 in CalEEMod

Last Update: 2/7/2025

Potential Dwelling Units by Housing Site

Site	Number of parcels	Acres	Potential Dwelling Units (a)	Service Population	Single-Family Service Population	Multi-Family Service Population
1	1	10	120	434	434	-
2	1	1	21	76	-	76
3	1	4	84	303	-	303
4	3	1	21	76	-	76
5	15	2	33	119	-	119
TOTALS	21	18	279	1008	434	574

Note: Affordable housing DU are considered multi-family homes.

Source: LINSKOTT, LAW & GREENSPAN - Traffic Analysis Report Table 2-3

Last Update: 2/7/2025

Landscape Sq Ft - Condo/Townhouse		Assumed ←Enter into CalEEMod
Perecent of building sq ft	10%	
CalEEMod default bldg sq ft	152639	
Landscape Area	15264	
ITE Land Use Code	221	

Adjusted landscape Sq Ft - Single Family Homes		←Enter into CalEEMod
Default acres	38.96	
Adjusted acres	10	
Adjusted Sq Ft	435600	
Driveway default Sq Ft Per Unit	480	
Units	120	
Total driveway Sq Ft	57600	
Home footprint default Sq Ft	234000	
adjusted landscaping value based on CalEEMod methodology	144000	

Population Projection	
Units	279
Average household size	3.61
Projected new residents	1008
Existing City Population	1441
Population change %	70%

Source: 2.0 Project Description, Housing Sites Inventory Capacity Analysis

Last update: 2/7/2025

TOTAL VMT SUMMARY

PROJECT AREA	Home Based VMT Per Capita ¹	6944	Total Daily VMT		Total Annual VMT
			Single-Family Service Population	Multi-Family Service Population	
Site 1	16	1312	6944	-	2534560
Site 2	17.3	4912	-	1311	478880
Site 3	16.2	1228	-	4912	1792880
Site 4	16.2	1656	-	1228	448220
Site 5	13.9	1656	-	1655	604440
Total		16052	588880		5858980

[1] Source: LINSKOTT, LAW & GREENSPAN - Traffic Analysis Report Table 3-1

B.1-2 Operational Air Quality Calculations and Modeling

**Irwindale Housing Element GPU
Air Quality Assessment**

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

Source Receptor Area 9
Adjacent to Sensitive Receptor (i.e., within 25 meters)

Acres	Screening Values			Project Site ^a
	1	2	5	5.00
Construction LSTs				
NOX	89	128	203	203
CO	623	953	1,733	1,733
PM10	5	7	14	14
PM2.5 ^b	3	5	8	8
Operational LSTs				
NOX	89	128	203	203
CO	623	953	1,733	1,733
PM10	2	2	4	4
PM2.5 ^b	1	2	2	2

- Notes:
- a. Project screening levels are linearly interpolated based on the 1- and 2- acre screening levels.
 - b. PM2.5 Threshold made to be the same as PM10 threshold as PM2.5 is a subset of PM10.

**Irwindale GPU
Air Quality Assessment**

Localized Operational Emissions

Maximum Unmitigated Localized Operational Emissions (pounds per day) ^a

Source	NO_x	CO	PM₁₀	PM_{2.5}
Area	0.34	12.04	0.02	0.02
Energy	0.69	0.29	5.60E-02	5.60E-02
Total Project On-Site Emissions	1.03	12.34	0.08	0.08
SCAQMD Numeric Indicators	203.0	1733.0	4.0	2.0
Over/(Under)	(202.0)	(1720.7)	(3.9)	(1.9)
Exceeds Thresholds?	No	No	No	No

Localized significance thresholds from SCAQMD Look-Up tables, conservatively used 5-acre site in East San Gabriel Valley (SRA 9) with the nearest sensitive receptor within 25 meters from the Site.

Irwindale GPU
Greenhouse Gas Emissions Summary

Project Operations Summary (Full Buildout Year)	
Category	mTCO₂e/yr
Mobile	2055
Area	34
Energy	561
Water	28
Waste	81
Project Total	2,759

mTCO₂e=Metric Tons Carbon Dioxide equivalents

Year	Max Daily VMT	Annual VMT	Criteria Pollutant Emission Factors (lb/mile)										GHG Emission Factors (metric tons/mile)				Criteria Pollutant Emissions (pounds/day)							GHG Emissions (metric tons/year)						
			RDG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2.5 Road Dust	PM2.5	PM2.5 Total	CO2	CH4	N2O	CO2e	RDG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2.5 Road Dust	PM2.5	PM2.5 Total	CO2	CH4	N2O	CO2e
2029	16,052	5,858,980	2.61E-04	3.46E-04	2.40E-03	7.35E-06	6.61E-04	5.63E-05	7.17E-04	1.62E-04	2.07E-05	1.83E-04	3.45E-04	1.68E-08	1.82E-08	3.51E-04	4.18	5.55	38.51	0.12	10.61	0.90	11.52	2.60	0.53	2.94	2,021.07	0.10	0.11	2,055.27

Source: LINSKOTT, LAW & GREENSPAN - TAR

Irwindale HEU Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Irwindale HEU
Operational Year	2029
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	1.80
Precipitation (days)	22.4
Location	Irwindale, CA, USA
County	Los Angeles-South Coast
City	Irwindale
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4959
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Single Family Housing	120	Dwelling Unit	10.0	234,000	144,000	—	434	—

Condo/Townhouse High Rise	159	Dwelling Unit	8.00	152,639	15,264	—	574	—
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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.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.8	10.5	3.75	17.4	0.02	0.30	0.00	0.30	0.30	0.00	0.30	159	6,028	6,187	16.3	0.07	2.77	6,620
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.36	9.15	3.60	1.53	0.02	0.29	0.00	0.29	0.29	0.00	0.29	159	5,986	6,145	16.3	0.07	2.77	6,578
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.1	9.98	1.85	11.6	0.01	0.15	0.00	0.15	0.14	0.00	0.14	159	3,661	3,820	16.3	0.07	2.77	4,251
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.85	1.82	0.34	2.12	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	26.4	606	632	2.70	0.01	0.46	704

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	10.6	10.4	2.14	16.7	0.01	0.17	—	0.17	0.17	—	0.17	0.00	2,569	2,569	0.05	0.01	—	2,572
Energy	0.19	0.09	1.61	0.68	0.01	0.13	—	0.13	0.13	—	0.13	—	3,378	3,378	0.31	0.02	—	3,391
Water	—	—	—	—	—	—	—	—	—	—	—	19.9	80.9	101	2.05	0.05	—	167
Waste	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.9	0.00	—	487
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Total	10.8	10.5	3.75	17.4	0.02	0.30	0.00	0.30	0.30	0.00	0.30	159	6,028	6,187	16.3	0.07	2.77	6,620
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	9.17	9.05	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,527	2,527	0.05	< 0.005	—	2,529
Energy	0.19	0.09	1.61	0.68	0.01	0.13	—	0.13	0.13	—	0.13	—	3,378	3,378	0.31	0.02	—	3,391
Water	—	—	—	—	—	—	—	—	—	—	—	19.9	80.9	101	2.05	0.05	—	167
Waste	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.9	0.00	—	487
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Total	9.36	9.15	3.60	1.53	0.02	0.29	0.00	0.29	0.29	0.00	0.29	159	5,986	6,145	16.3	0.07	2.77	6,578
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	9.95	9.89	0.24	10.9	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	202	202	< 0.005	< 0.005	—	202
Energy	0.19	0.09	1.61	0.68	0.01	0.13	—	0.13	0.13	—	0.13	—	3,378	3,378	0.31	0.02	—	3,391
Water	—	—	—	—	—	—	—	—	—	—	—	19.9	80.9	101	2.05	0.05	—	167
Waste	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.9	0.00	—	487
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Total	10.1	9.98	1.85	11.6	0.01	0.15	0.00	0.15	0.14	0.00	0.14	159	3,661	3,820	16.3	0.07	2.77	4,251
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	1.82	1.80	0.04	1.99	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	33.5	33.5	< 0.005	< 0.005	—	33.5
Energy	0.03	0.02	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	559	559	0.05	< 0.005	—	561
Water	—	—	—	—	—	—	—	—	—	—	—	3.30	13.4	16.7	0.34	0.01	—	27.6
Waste	—	—	—	—	—	—	—	—	—	—	—	23.1	0.00	23.1	2.31	0.00	—	80.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46	0.46
Total	1.85	1.82	0.34	2.12	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	26.4	606	632	2.70	0.01	0.46	704

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse High Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse High Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse High Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	785	785	0.07	0.01	—	789

Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	553	553	0.05	0.01	—	556
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,338	1,338	0.13	0.02	—	1,345
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	785	785	0.07	0.01	—	789
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	553	553	0.05	0.01	—	556
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,338	1,338	0.13	0.02	—	1,345
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	130	130	0.01	< 0.005	—	131
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	91.5	91.5	0.01	< 0.005	—	92.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	221	221	0.02	< 0.005	—	223

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

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

Single Family Housing	0.14	0.07	1.16	0.49	0.01	0.09	—	0.09	0.09	—	0.09	—	1,474	1,474	0.13	< 0.005	—	1,478
Condo/Townhouse High Rise	0.05	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	—	568
Total	0.19	0.09	1.61	0.68	0.01	0.13	—	0.13	0.13	—	0.13	—	2,040	2,040	0.18	< 0.005	—	2,046
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.14	0.07	1.16	0.49	0.01	0.09	—	0.09	0.09	—	0.09	—	1,474	1,474	0.13	< 0.005	—	1,478
Condo/Townhouse High Rise	0.05	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	—	568
Total	0.19	0.09	1.61	0.68	0.01	0.13	—	0.13	0.13	—	0.13	—	2,040	2,040	0.18	< 0.005	—	2,046
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.02	0.01	0.21	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	244	244	0.02	< 0.005	—	245
Condo/Townhouse High Rise	0.01	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.7	93.7	0.01	< 0.005	—	94.0
Total	0.03	0.02	0.29	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	338	338	0.03	< 0.005	—	339

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.23	0.12	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,527	2,527	0.05	< 0.005	—	2,529
Consumer Products	8.27	8.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.66	0.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.45	1.37	0.15	15.9	< 0.005	0.01	—	0.01	0.01	—	0.01	—	42.3	42.3	< 0.005	< 0.005	—	42.5
Total	10.6	10.4	2.14	16.7	0.01	0.17	—	0.17	0.17	—	0.17	0.00	2,569	2,569	0.05	0.01	—	2,572
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.23	0.12	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,527	2,527	0.05	< 0.005	—	2,529
Consumer Products	8.27	8.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.66	0.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	9.17	9.05	1.99	0.85	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,527	2,527	0.05	< 0.005	—	2,529
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	28.7	28.7	< 0.005	< 0.005	—	28.7

Consumer Products	1.51	1.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.18	0.17	0.02	1.98	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.80	4.80	< 0.005	< 0.005	—	4.82
Total	1.82	1.80	0.04	1.99	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	33.5	33.5	< 0.005	< 0.005	—	33.5

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.57	41.3	49.9	0.88	0.02	—	78.3
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	11.4	39.6	50.9	1.17	0.03	—	88.5
Total	—	—	—	—	—	—	—	—	—	—	—	19.9	80.9	101	2.05	0.05	—	167
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.57	41.3	49.9	0.88	0.02	—	78.3
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	11.4	39.6	50.9	1.17	0.03	—	88.5
Total	—	—	—	—	—	—	—	—	—	—	—	19.9	80.9	101	2.05	0.05	—	167
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.42	6.84	8.26	0.15	< 0.005	—	13.0
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	1.88	6.55	8.43	0.19	< 0.005	—	14.7
Total	—	—	—	—	—	—	—	—	—	—	—	3.30	13.4	16.7	0.34	0.01	—	27.6

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	62.1	0.00	62.1	6.20	0.00	—	217

Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	77.3	0.00	77.3	7.72	0.00	—	270
Total	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.9	0.00	—	487
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	62.1	0.00	62.1	6.20	0.00	—	217
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	77.3	0.00	77.3	7.72	0.00	—	270
Total	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.9	0.00	—	487
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.03	0.00	—	35.9
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	12.8	0.00	12.8	1.28	0.00	—	44.8
Total	—	—	—	—	—	—	—	—	—	—	—	23.1	0.00	23.1	2.31	0.00	—	80.7

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68	1.68
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.09	1.09
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.68	1.68
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.09	1.09
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Condo/Townhouse High Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.18	0.18
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46	0.46

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)

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMТ/Weekday	VMТ/Saturday	VMТ/Sunday	VMТ/Year
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse High Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	120
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Condo/Townhouse High Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	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)
--	--	--	--	-----------------------------

782943.975	260,981	0.00	0.00	—
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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)
Single Family Housing	827,417	346	0.0330	0.0040	4,600,242
Condo/Townhouse High Rise	582,868	346	0.0330	0.0040	1,765,988

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	4,472,856	2,468,327
Condo/Townhouse High Rise	5,926,534	261,643

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	115	—
Condo/Townhouse High Rise	143	—

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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Condo/Townhouse 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
Condo/Townhouse High Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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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	23.4	annual days of extreme heat
Extreme Precipitation	6.20	annual days with precipitation above 20 mm

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

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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	3	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	3	1	1	3

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	82.6
AQ-PM	66.5
AQ-DPM	68.2
Drinking Water	84.6
Lead Risk Housing	67.8
Pesticides	53.5
Toxic Releases	75.3
Traffic	88.3
Effect Indicators	—

CleanUp Sites	83.1
Groundwater	92.7
Haz Waste Facilities/Generators	91.7
Impaired Water Bodies	43.8
Solid Waste	99.3
Sensitive Population	—
Asthma	54.4
Cardio-vascular	36.6
Low Birth Weights	36.1
Socioeconomic Factor Indicators	—
Education	69.8
Housing	35.3
Linguistic	36.5
Poverty	48.7
Unemployment	73.4

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	—
Employed	—
Median HI	—
Education	—
Bachelor's or higher	—
High school enrollment	—
Preschool enrollment	—
Transportation	—

Auto Access	—
Active commuting	—
Social	—
2-parent households	—
Voting	—
Neighborhood	—
Alcohol availability	—
Park access	—
Retail density	—
Supermarket access	—
Tree canopy	—
Housing	—
Homeownership	—
Housing habitability	—
Low-inc homeowner severe housing cost burden	—
Low-inc renter severe housing cost burden	—
Uncrowded housing	—
Health Outcomes	—
Insured adults	—
Arthritis	0.0
Asthma ER Admissions	58.6
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	0.0

Cognitively Disabled	87.2
Physically Disabled	24.6
Heart Attack ER Admissions	66.5
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	0.0
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	1.3
SLR Inundation Area	0.0
Children	19.0
Elderly	62.6
English Speaking	0.0
Foreign-born	0.0
Outdoor Workers	37.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	29.6
Traffic Density	0.0
Traffic Access	23.0
Other Indices	—
Hardship	0.0
Other Decision Support	—

2016 Voting	0.0
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7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	83.0
Healthy Places Index Score for Project Location (b)	—
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
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	See operations data and assumptions
Operations: Hearths	Single-family homes assumed to all have gas fireplaces. No fireplaces or wood stoves for multi-family/affordable housing.
Operations: Vehicle Data	Operational mobile calculations done outside of CalEEMod

