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# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	Galaxy Riverside
Construction Start Date	7/1/2025
Operational Year	2026
Lead Agency	_
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	18.0
Location	Jurupa Ave & Dales St, Riverside, CA 92504, USA
County	Riverside-South Coast
City	Riverside
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5414
EDFZ	11
Electric Utility	City of Riverside
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)		Special Landscape Area (sq ft)	Population	Description
Gasoline/Service	10.0	Pump	1.12	0.00	11,444	_	_	_
Station PR-2	024-00170 (CUP. D	R) Exhibit 8 - Techi	nical Studies (Traffic	c Impact Analysis)				

#### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

# 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	1.35	12.2	11.6	0.02	0.57	0.07	0.63	0.52	0.02	0.54	0.02	0.26	2,025
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.75	3.58	5.17	0.01	0.16	0.13	0.29	0.15	0.03	0.18	0.01	0.01	969
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	0.10	0.91	0.91	< 0.005	0.04	0.01	0.05	0.04	< 0.005	0.04	< 0.005	0.01	181
Annual (Max)	_	_	_	_	_	_	_	_	_	-	_	_	_
Unmit.	0.02	0.17	0.17	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	< 0.005	< 0.005	29.9

#### 2.2. Construction Emissions by Year, Unmitigated

Year	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily - Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	1.35	12.2	11.6	0.02	0.57	0.07	0.63	0.52	0.02	0.54	0.02	0.26	2,025

Daily - Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.75	3.58	5.17	0.01	0.16	0.13	0.29	0.15	0.03	0.18	0.01	0.01	969
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.10	0.91	0.91	< 0.005	0.04	0.01	0.05	0.04	< 0.005	0.04	< 0.005	0.01	181
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
2025	0.02	0.17	0.17	< 0.005	0.01	< 0.005	0.01	0.01	< 0.005	0.01	< 0.005	< 0.005	29.9

### 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.	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	15.8	16.8	158	0.41	0.30	35.6	35.9	0.28	9.03	9.31	1.77	145	42,341
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	14.8	18.0	131	0.38	0.30	35.6	35.9	0.28	9.03	9.31	1.82	3.76	39,682
Average Daily (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	11.9	9.61	71.0	0.17	0.14	15.2	15.4	0.13	3.87	4.00	0.93	27.1	17,782
Annual (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Unmit.	2.17	1.75	13.0	0.03	0.02	2.78	2.81	0.02	0.71	0.73	0.15	4.49	2,944

### 2.5. Operations Emissions by Sector, Unmitigated

			 	 				_	
Sector IPAC	INOV	1802		IDM2 5E	IDM2 ED	IDM2 ST	INIO	ID	ICO2e
Sector ROG	A AND AN AND IN	1002		I F IVIZ.JL	T IVIZ.JU	ILINIZ.21	INZU	111	10026

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	15.8	16.8	158	0.41	0.30	35.6	35.9	0.28	9.03	9.31	1.77	145	42,326
Area	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	_	0.00	0.00	_	0.00
Energy	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	_	0.00	0.00	_	0.00
Water	_	_	_	_	_	_	_	_	_	_	< 0.005	_	5.57
Waste	_	_	_	_	_	_	_	_	_	_	0.00	_	10.2
Total	15.8	16.8	158	0.41	0.30	35.6	35.9	0.28	9.03	9.31	1.77	145	42,341
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	14.8	18.0	131	0.38	0.30	35.6	35.9	0.28	9.03	9.31	1.82	3.76	39,666
Area	0.00	_	_	_	_	_	_	_	_	_	_	_	_
Energy	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	_	0.00	0.00	_	0.00
Water	_	_	_	_	_	_	_	_	_	_	< 0.005	_	5.57
Waste	_	_	_	_	_	_	_	_	_	_	0.00	_	10.2
Total	14.8	18.0	131	0.38	0.30	35.6	35.9	0.28	9.03	9.31	1.82	3.76	39,682
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	11.9	9.61	71.0	0.17	0.14	15.2	15.4	0.13	3.87	4.00	0.93	27.1	17,766
Area	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	_	0.00	0.00	_	0.00
Energy	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	_	0.00	0.00	_	0.00
Water	_	_	_	_	_	_	_	_	_	_	< 0.005	_	5.57
Waste	_	_	_	_	_	_	_	_	_	_	0.00	_	10.2
Total	11.9	9.61	71.0	0.17	0.14	15.2	15.4	0.13	3.87	4.00	0.93	27.1	17,782
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Mobile	2.17	1.75	13.0	0.03	0.02	2.78	2.81	0.02	0.71	0.73	0.15	4.49	2,941
Area	0.00	0.00	0.00	0.00	0.00	_	0.00	0.00	_	0.00	0.00	_	0.00
Energy	0.00 PR-2024	0.00 4-00170 (CL	0.00 JP. DR) Exhi	0.00 bit 8 - Techr	0.00 nical Studies (	— Traffic Impa	0.00 act Analysis)	0.00	_	0.00	0.00	_	0.00

Water	_	_	_	_	_	_	_	_	_	_	< 0.005	_	0.92
Waste	_	_	_	_	_	_	_	_	_	_	0.00	_	1.68
Total	2.17	1.75	13.0	0.03	0.02	2.78	2.81	0.02	0.71	0.73	0.15	4.49	2,944

## 3. Construction Emissions Details

### 3.1. Site Preparation (2025) - Unmitigated

Location	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	0.98	9.10	7.96	0.01	0.38	_	0.38	0.35	_	0.35	0.01	_	1,394
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	0.03	0.30	0.26	< 0.005	0.01	_	0.01	0.01	_	0.01	< 0.005	-	45.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	0.01	0.05	0.05	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	< 0.005	-	7.59
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer Max)	_	-	-		-	— Traffic Impact	<u> </u>	-	_	-	_	-	-

Worker	0.02	0.02	0.39	0.00	0.00	0.07	0.07	0.00	0.02	0.02	< 0.005	0.26	71.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	< 0.005	< 0.005	2.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	< 0.005	< 0.005	0.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.3. Grading (2025) - Unmitigated

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

Location	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	1.32	12.1	11.2	0.02	0.57	_	0.57	0.52	_	0.52	0.02	_	1,953
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	— 00470 (CUD	_	_	_	_	_	_	_	_	_	_	_

Off-Road Equipment	0.03	0.30	0.28	< 0.005	0.01	_	0.01	0.01	_	0.01	< 0.005	_	48.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	0.01	0.05	0.05	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	7.97
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.02	0.02	0.39	0.00	0.00	0.07	0.07	0.00	0.02	0.02	< 0.005	0.26	71.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Average Daily	_	-	_	_	_	-	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	< 0.005	< 0.005	1.64
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	< 0.005	< 0.005	0.27
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.5. Building Construction (2025) - Unmitigated

Location	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Onsite	_PR-2024-0	0470 (CUP,	DR) Exhibit 8	3_Technical	Studies (Tra	iffic Impact A	Analysis)	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	0.36	3.57	3.77	0.01	0.14	_	0.14	0.13	_	0.13	0.01	_	964
Dust From Material Movement	_	_	_	_	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	_	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	0.36	3.57	3.77	0.01	0.14	_	0.14	0.13	_	0.13	0.01	_	964
Dust From Material Movement	_	_	_	-	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	_	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	0.03	0.25	0.27	< 0.005	0.01	_	0.01	0.01	_	0.01	< 0.005	_	68.7
Dust From Material Movement	_	_	_	-	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	_	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	< 0.005	0.05	0.05	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	11.4
Dust From Material Movement	_	_	_	_	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	_	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	5.56
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.56
Average Daily	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.40
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.07

### 3.7. Paving (2025) - Unmitigated

Location	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Onsite	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	0.39	3.53	4.59	0.01	0.16	_	0.16	0.15	_	0.15	0.01	_	704
Paving	0.32	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	_	_	_	_	_	_	-	-	_	-	_	_	_
Off-Road Equipment	0.01	0.06	0.08	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	11.6
Paving	0.01	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	_	< 0.005	< 0.005	_	< 0.005	< 0.005	_	1.92
Paving	< 0.005	_	_	_	_	_	_	_	_	_	_	_	_
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	-	_
Worker	0.04	0.05	0.58	0.00	0.00	0.13	0.13	0.00	0.03	0.03	< 0.005	0.01	131
/endor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	_	_	_	_	_	_	-	-	_	_	_	_	_
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	< 0.005	< 0.005	2.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	< 0.005	< 0.005	0.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

Land Use	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	15.8	16.8	158	0.41	0.30	35.6	35.9	0.28	9.03	9.31	1.77	145	42,326
Total	15.8	16.8	158	0.41	0.30	35.6	35.9	0.28	9.03	9.31	1.77	145	42,326
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	14.8	18.0	131	0.38	0.30	35.6	35.9	0.28	9.03	9.31	1.82	3.76	39,666
Total	14.8	18.0	131	0.38	0.30	35.6	35.9	0.28	9.03	9.31	1.82	3.76	39,666
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	2.17	1.75	13.0	0.03	0.02	2.78	2.81	0.02	0.71	0.73	0.15	4.49	2,941
Total	2.17 PR-2024-0	1.75 00170 (CUP,	13.0 DR) Exhibit	0.03 8 - Technica	0.02 I Studies (T	2.78 raffic Impact	2.81 Analysis)	0.02	0.71	0.73	0.15	4.49	2,941

### 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)

		,	J, J			( '	J,	. ,					
Land Use	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	_	_	_	_	_	_	_	_	_	_	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	0.00	_	0.00
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	_	_	_	_	_	_	_	_	_	_	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	0.00	_	0.00
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	_	_	_	_	_	_	_	_	_	_	0.00	_	0.00
Total	_	_	_	_	_	_	_	_	_	_	0.00	_	0.00

#### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Land Use	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily,	_	_	_	_	_	_	_	_	_	_	_	_	_
Summer													
(Max)													

Gasoline/Se rvice Station	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
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	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
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	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

### 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	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Consumer Products	0.00	_	_	_	_	_	_	_	_	_	_	_	_
Architectura I Coatings	0.00	_	_	_	_	_	_	_	_	_	_	_	_
Landscape Equipment	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

Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Consumer Products	0.00	_	_	_	_	_	_	_	_	_	_	_	_
Architectura I Coatings	0.00	_	_	_	_	_	_	_	_	_	_	_	_
Total	0.00	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Consumer Products	0.00	_	_	_	_	_	_	_	_	_	_	_	_
Architectura I Coatings	0.00	_	_	_	_	_	_	_	_	_	_	_	_
Landscape Equipment	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

## 4.4. Water Emissions by Land Use

#### 4.4.1. Unmitigated

Land Use	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	_	_	_	_	_	_	_	_	_	_	< 0.005	_	5.57
Total	_	_	_	_	_	_	_	_	_	_	< 0.005	_	5.57
Daily, Winter (Max)	PR-2024-0	- 0170 (CUP,	— DR) Exhibit	_ 8 - Technica	_   Studies (Tra	— affic Impact <i>I</i>	_ Analysis)	_	_	_	_	_	_

Gasoline/Se Station	_	_	_	_	_	_	_	_	_	_	< 0.005	_	5.57
Total	_	_	_	_	_	_	_	_	_	_	< 0.005	_	5.57
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	_	_	_	_	_	_	_	_	_	_	< 0.005	_	0.92
Total	_	_	_	_	_	_	_	_	_	_	< 0.005	_	0.92

### 4.5. Waste Emissions by Land Use

### 4.5.1. Unmitigated

Land Use	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	_	_	_	_	_	_	_	_	_	_	0.00	_	10.2
Total	_	_	_	_	_	_	_	_	_	_	0.00	_	10.2
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	_	_	_	_	_	_	_	_	_	_	0.00	_	10.2
Total	_	_	_	_	_	_	_	_	_	_	0.00	_	10.2
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Gasoline/Se rvice Station	_	_	_	_	_	_	_	_	_	_	0.00	_	1.68
Total	— PR-2024-0	_ 00170 (CUP,	— DR) Exhibit	— 8 - Technica	_ Studies (Tra	— affic Impact A	— Analysis)	_	_	_	0.00	_	1.68

### 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	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

Equipment Type	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_PR-2024-0	0170 (CUP,	DR) Exhibit	8Technical	Studies (Tra		nalysis)	_	_	_	_	_	_

### 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)

		rady for ac											
Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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

Equipment Type	ROG	NOx	СО	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	PR-2024-0	0170 (CUP,	DR) Exhibit	3 - Technical	Studies (Tra	affic Impact A	Analysis)	_	_	_	_	_	_

Total	_	_	_	_	_	 _	_	_	_	_	_	_
Iotal												

### 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	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	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

Land Use	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Total	 PR-2024-0	_ 00170 (CUP,	_ DR) Exhibit	_ 8 - Technica	_ I Studies (Tra		_ Analysis) / 38	_	_	_	_	_	_

#### 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	ROG	NOx	со	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	N2O	R	CO2e
Daily, Summer (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequestere d	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
Removed	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_
Daily, Winter (Max)	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequestere d	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
Removed	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_
Annual	_	_	_	_	_	_	_	_	_	_	_	_	_
Avoided	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
Sequestere	_	_	_	_	_	_	_	_	_	_	_	_	_

Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
Removed	_	_	_	_	_	_	_	_	_	_	_	_	_
Subtotal	_	_	_	_	_	_	_	_	_	_	_	_	_
_	_	_	_	_	_	_	_	_	_	_	_	_	_

# 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	7/30/2025	8/14/2025	5.00	12.0	_
Grading	Grading	8/15/2025	8/27/2025	5.00	9.00	_
Building Construction	Building Construction	8/28/2025	10/2/2025	5.00	26.0	_
Paving	Paving	10/3/2025	10/10/2025	5.00	6.00	_

## 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
Site Preparation	Rubber Tired Dozers	Diesel	Average	1.00	7.00	367	0.40
Site Preparation	Concrete/Industrial Saws	Diesel	Average	1.00	6.00	33.0	0.73
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	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	Tractors/Loaders/Back hoes	Diesel	Average	1.00	6.00	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

### 5.3. Construction Vehicles

### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	_	_	_	_
Site Preparation	Worker	5.00	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	_	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	_	_	HHDT
Grading	_	_	_	_
Grading	Worker	5.00	18.5	LDA,LDT1,LDT2
Grading	Vendor	_	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	_	_	HHDT
Building Construction	_	_	_	_
Building Construction	Worker	0.00	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	0.00	10.2	HHDT,MHDT
Building Construction	Hauling	0.08	20.0	HHDT
Building Construction	Onsite truck	_	_	HHDT
Paving	_	_	_	_
Paving	Worker	10.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	_	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	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	Residential Exterior Area	Non-Residential Interior Area	Non-Residential Exterior Area	Parking Area Coated (sq ft)
	Coated (sq ft)	Coated (sq ft)		Coated (sq ft)	

#### 5.6. Dust Mitigation

#### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Building Construction	16.0	_	0.00	0.00	_
Paving	0.00	0.00	0.00	0.00	0.88

#### 5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

#### 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Gasoline/Service Station	0.88	83%

#### 5.8. Construction Electricity Consumption and Emissions Factors

#### kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	873	0.03	< 0.005

#### 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
Gasoline/Service Station	3,440	3,643	3,338	1,260,919	11,209	50,220	46,005	7,939,845

#### 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 Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	0.00	0.00	_

#### 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)
Gasoline/Service Station PR-2024-00170	0,00 0 (CUP_DR) Exhibit 8 - Tech	873 nical Studies (Traffic Impact A	0.0330 Analysis)	0.0040	0.00

#### 5.12. Operational Water and Wastewater Consumption

#### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Gasoline/Service Station	132,819	181,453

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Gasoline/Service Station	5.39	_

### 5.14. Operational Refrigeration and Air Conditioning Equipment

#### 5.14.1. Unmitigated

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Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

### 5.15. Operational Off-Road Equipment

#### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Dav	Hours Per Day	Horsepower	Load Factor
Equipment Type	I doi 1990	Lingino mon	rtumber per Bay	riodio i oi buy	1 lordopowor	Loud I doto!

### 5.16. Stationary Sources

#### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Dav	Hours per Year	Horsepower	Load Factor
=qaipinoin iypo	1. 45. 1705	rtanibor por Day	i ioaio poi Day	i i odi o por i odi	. 10.000	Zoda i doto.

#### 5.16.2. Process Boilers

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

#### 5.17. User Defined

Equipment Type Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

 Vegetation Land Use Type
 Vegetation Soil Type
 Initial Acres
 Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type Initial Acres Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

# 6. Climate Risk Detailed Report

#### 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG Priss 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 Priss 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 Priss 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 Priss 2040–2059 average projections for four hazards are reported below for your project location.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	25.5	annual days of extreme heat
Extreme Precipitation	2.35	annual days with precipitation above 20 mm
Sea Level Rise	_	meters of inundation depth
Wildfire	2.10	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

#### 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	93.6
AQ-PM	93.5
AQ-DPM	30.6
Drinking Water	77.4
Lead Risk Houping 2024-00170 (CUP, DR) Exhibit 8 - Technical Studies (Traffic Impact	ลก็สเง็รis)

Pesticides	0.00
Toxic Releases	64.6
Traffic	66.8
Effect Indicators	_
CleanUp Sites	31.5
Groundwater	78.3
Haz Waste Facilities/Generators	90.4
Impaired Water Bodies	33.2
Solid Waste	52.9
Sensitive Population	_
Asthma	70.3
Cardio-vascular	69.3
Low Birth Weights	19.2
Socioeconomic Factor Indicators	_
Education	66.9
Housing	20.6
Linguistic	21.4
Poverty	44.6
Unemployment	53.9

### 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	37.88014885
Employed	40.16424997
Median HI	49.09534197
PR-2024-00170 (CUP, DR) Exhibit 8 - Technical Studies (Traffic Impact A	Analysis)

Bachelor's or higher	22.50737842
High school enrollment	100
Preschool enrollment	13.25548569
Transportation	_
Auto Access	53.75336841
Active commuting	27.71718209
Social	_
2-parent households	42.79481586
Voting	24.40651867
Neighborhood	_
Alcohol availability	79.54574618
Park access	35.71153599
Retail density	33.67124342
Supermarket access	26.62645964
Tree canopy	15.50109072
Housing	_
Homeownership	82.25330425
Housing habitability	37.41819582
Low-inc homeowner severe housing cost burden	37.58501219
Low-inc renter severe housing cost burden	10.83023226
Uncrowded housing	21.40382394
Health Outcomes	_
Insured adults	31.25882202
Arthritis	43.8
Asthma ER Admissions	24.9
High Blood Pressure	40.5
Cancer (excluding skin)	60.5
Asthma	25.7

Coronary Heart Disease	51.0
Chronic Obstructive Pulmonary Disease	33.2
Diagnosed Diabetes	41.8
Life Expectancy at Birth	6.2
Cognitively Disabled	60.3
Physically Disabled	63.7
Heart Attack ER Admissions	26.6
Mental Health Not Good	27.8
Chronic Kidney Disease	35.4
Obesity	19.0
Pedestrian Injuries	19.6
Physical Health Not Good	31.5
Stroke	45.2
Health Risk Behaviors	_
Binge Drinking	32.5
Current Smoker	26.7
No Leisure Time for Physical Activity	29.5
Climate Change Exposures	_
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	24.2
Elderly	64.0
English Speaking	65.0
Foreign-born	59.7
Outdoor Workers	46.8
Climate Change Adaptive Capacity	_
Impervious Surface Cover	68.1
Traffic Density	44.5
DD 2024 00170 (CLID, DD) Exhibit 9 Toobnical Studies (Troffic Impact	A 1 ' \

Traffic Access	23.0
Other Indices	_
Hardship	67.8
Other Decision Support	_
2016 Voting	31.8

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	68.0
Healthy Places Index Score for Project Location (b)	31.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

#### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

#### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

#### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

Screen	Justification
Land Use	Measured on site plan
Construction: Construction Phases	Applicant provided data needs.
Construction: சாஜைவ் கூறு முர்முர்(CUP, DR) Exhibit 8 - Technical Studies (Traffic Impact Anaphisis)t provided Data	

Construction: Dust From Material Movement	Data Provided by applicant
Construction: Paving	Based on site plan