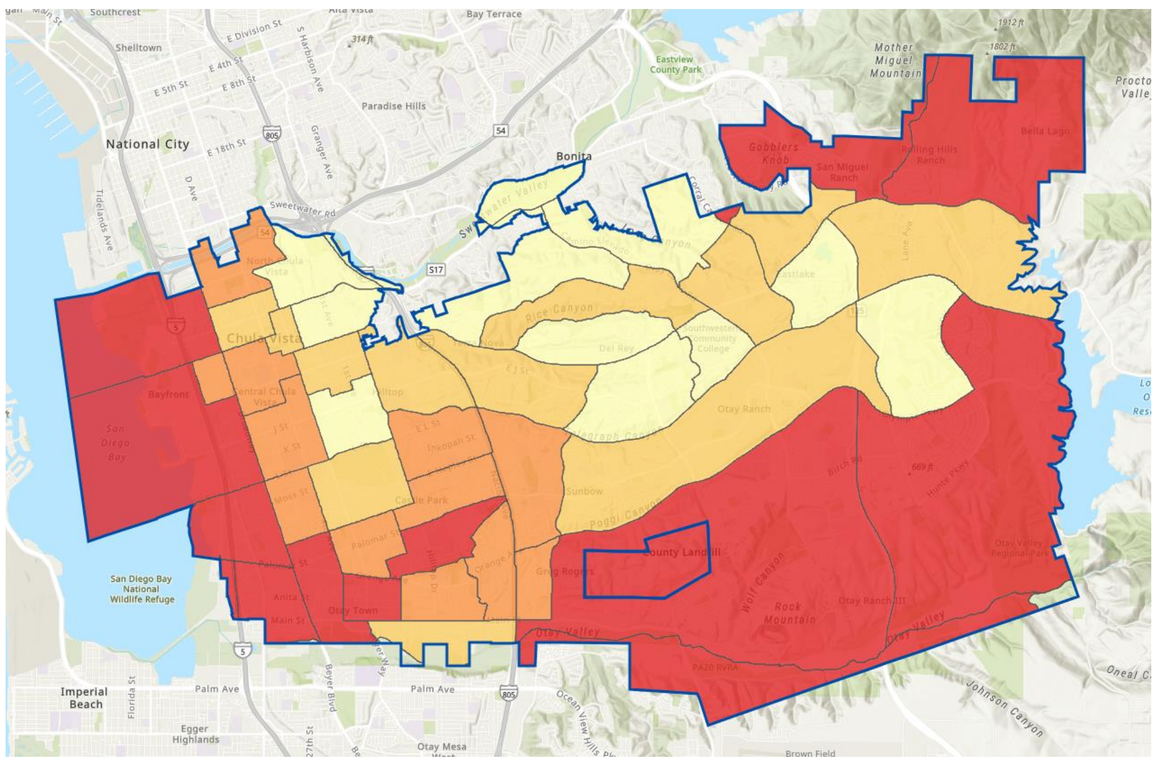
Chula Vista 2024 Climate Action Plan Update

Carbon Sequestration Sector



Tree cover from the Climate Equity Index

Increase Urban Tree Canopy Cover

Measure 9.1: Increase Urban Tree Canopy Cover

Goal: Increase urban canopy cover to 25% by 2030 and 30% by 2045

Supporting Actions:

- Utilize USDA Forest Service Urban and Community Forestry Inflation Reduction Act grant for updated tree inventory
- Promote carbon sequestration on City-owned land through increased use of compost and biochar
- Complete Urban Forestry Management Plan
- Adopt policy to require use of trees cut down for maintenance or at end of life
- Adopt policy to require development to offset GHG emissions from greenfield developments
- Create study looking at carbon sequestration potential within City boundaries

Adaptation Sector

Climate Resiliency

Policy SE 1.7: Increase the City's resiliency to climate change impacts.

Policy SE 1.8: Ensure that the City has adequate water supply for domestic use and fire protection.

Policy SE 1.9: Encourage and facilitate construction and land development techniques that ensure sustainable water use and minimize water quality impacts from urban development.

Policy SE 1.10: Increase the City's resilience to extreme heat and minimize the negative impacts of heat waves.

Scan to view Safety Element Update

Climate Change Factors Impacting the City	Observed (1961-1990)	Mid-Century (2035-2064)	
		Medium Emissions[A]	High Emissions[A]
Annual Average Maximum Temperature (°F)	71.0 - 71.7	72.6 – 76.0	73.1 – 76.5
Extreme Heat Days (days)[B]	2 – 4	5 – 16	6 – 20
Annual Precipitation (inches)	1.1 – 1.3	1.0 – 1.5	1.0 – 1.6
Annual Average Area Burned (acres)[C]	247.5 – 290.1	279.0 – 335.6	303.2 – 344.1

A. The Medium Emissions Scenario represents a mitigation scenario where global carbon dioxide (CO_2) emissions peak by 2040 and then decline. Statewide, the temperature is projected to increase by 2-4°C for this scenario by the end of this century. The High Emissions Scenario represents a scenario where CO_2 emissions continue to rise throughout the twenty-first century. Statewide, the temperature is projected to increase by 4-7°C by the end of this century.
B. Number of days in a year when the daily maximum temperature is above a threshold temperature of 103.9°F (98^{th} percentile).
C. This area may contain locations outside the combined fire state and federal protection responsibility areas. These locations were excluded from these wildfire simulations and had no climate projections.

Source: Cal-Adapt, **Local Climate Change Snapshot (cal-adapt.org)**.

Comments and Feedback

Please leave comments or feedback with sticky notes below or by scanning the QR code below for an online survey.