

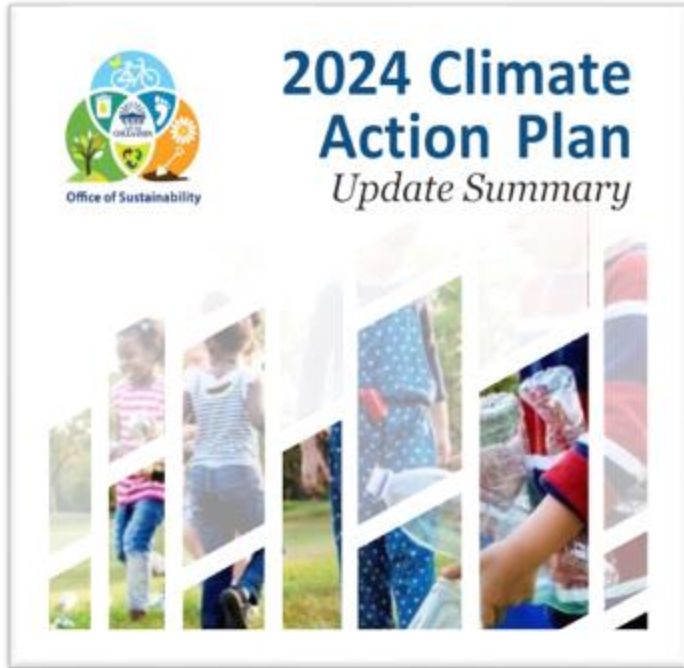


# Chula Vista Climate Action Plan Update

Public Workshops



# Agenda



- Background
- Current Implementation
- 2024 Updates
- 2024 Measures
- Outreach
- Next Steps



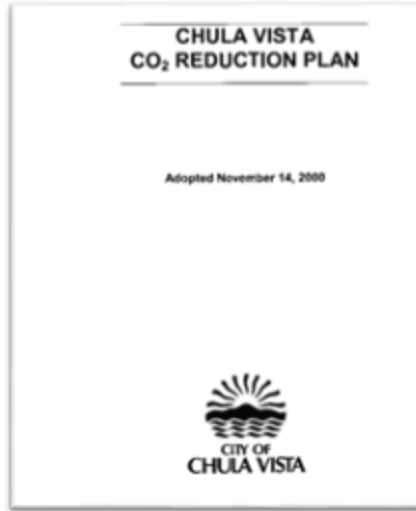


# What is a Climate Action Plan?



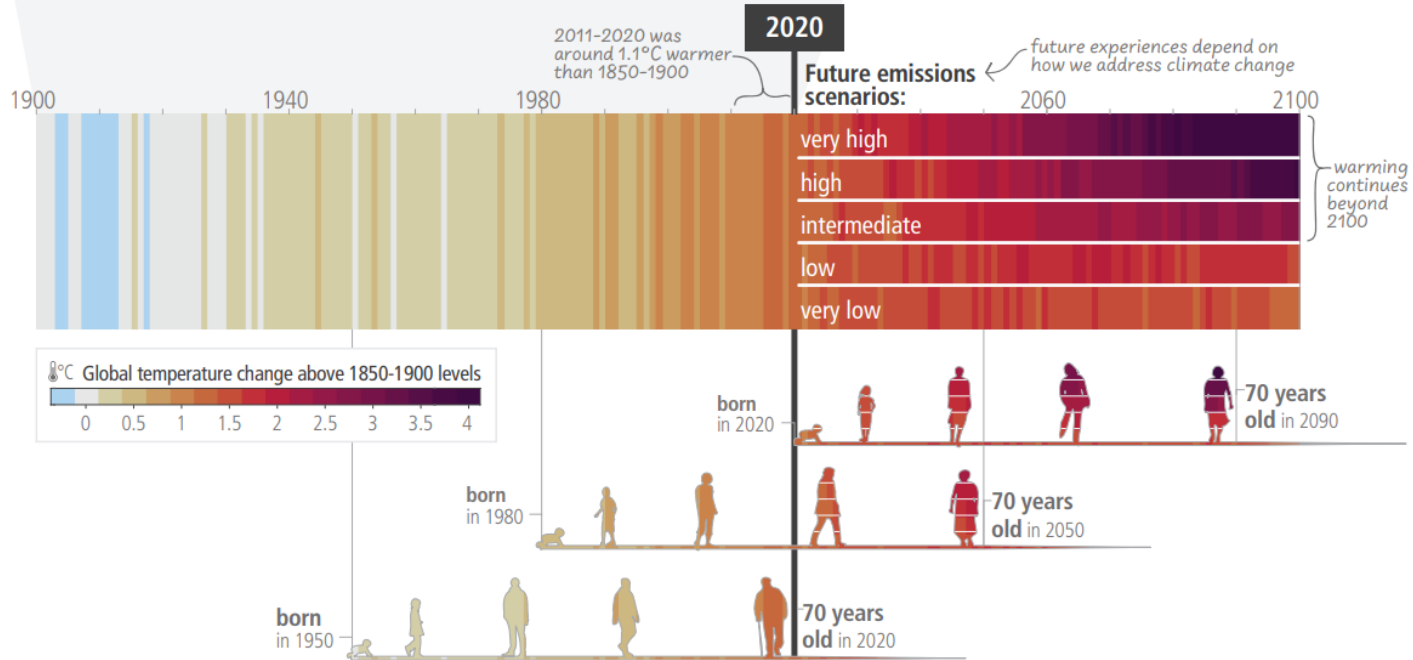
The City has adopted 4 previous Climate Action Plan (CAP) documents to help reduce greenhouse gas (GHG) emissions and adapt to climate change impacts already been experienced.

All CAP documents are **planning documents** and **not CEQA certified**.

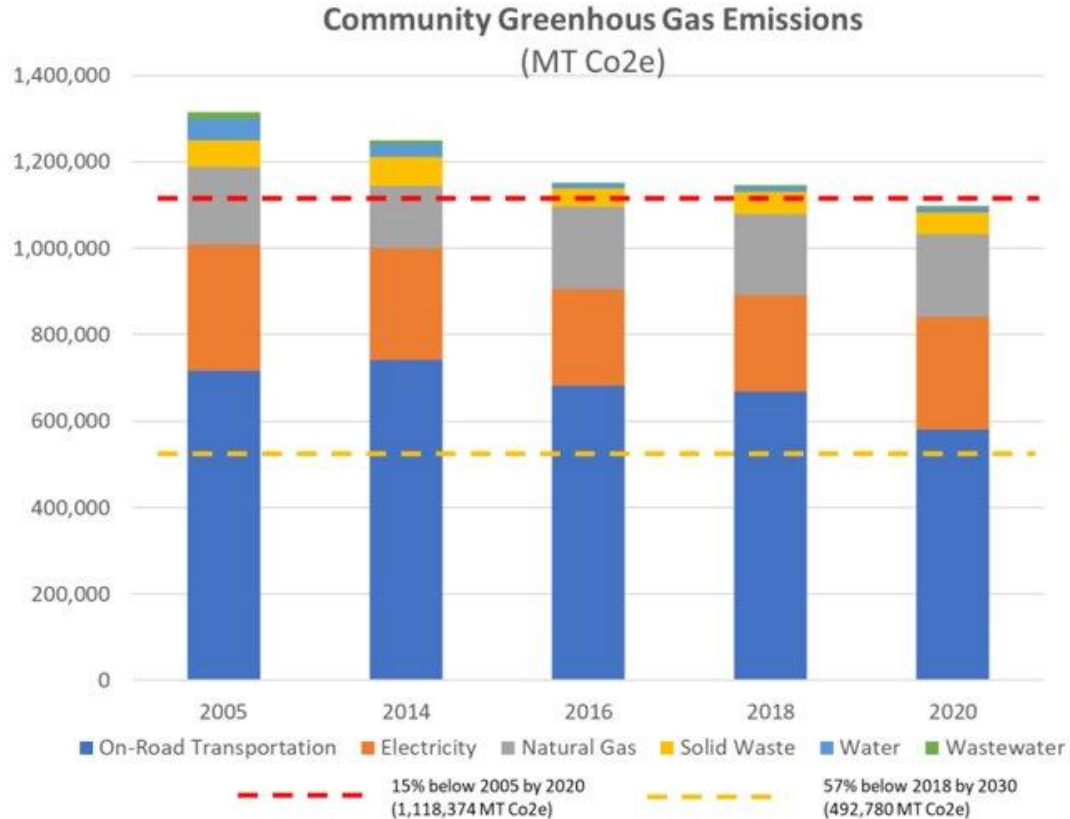


# Climate Change Impacts

c) The extent to which current and future generations will experience a hotter and different world depends on choices now and in the near term

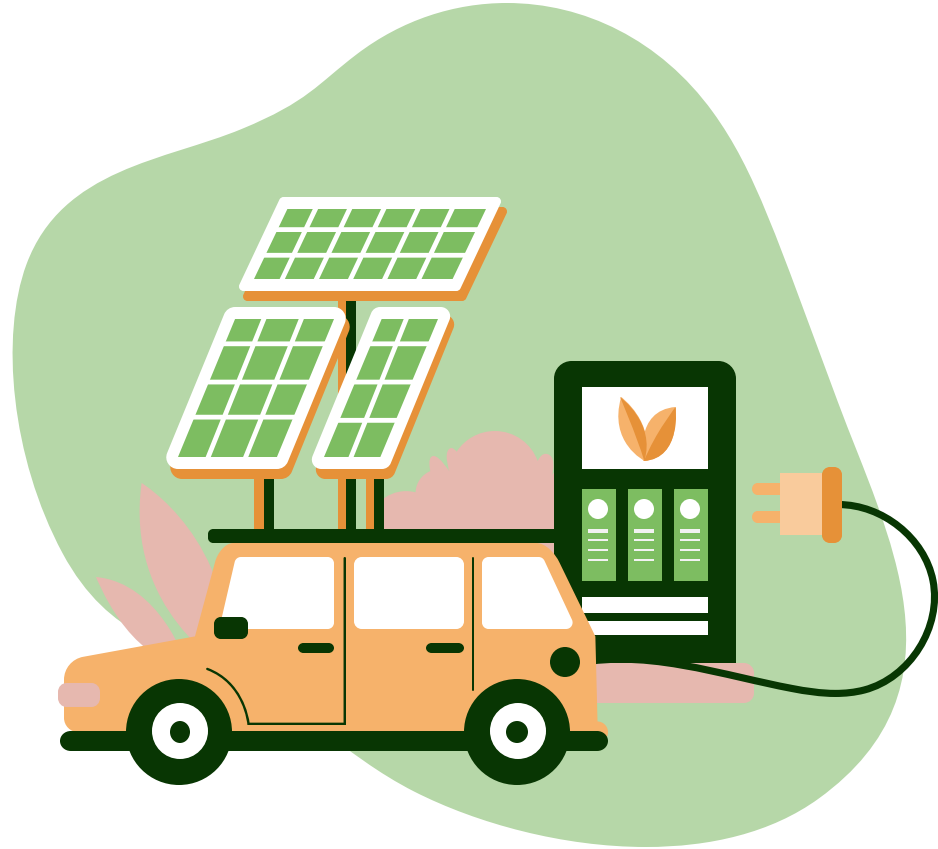


# Greenhouse Gas Inventories



- 17% reduction since 2005
- 33% per capital reduction factoring in 25% population growth

# 2017 CAP Implementation Highlights



# Benchmarking and Building Performance – Building Energy Saving Ordinance

## Mandatory Building Performance Timeline

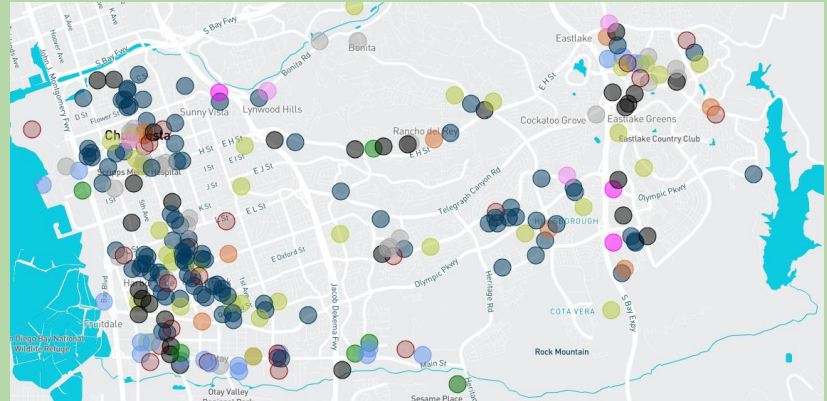
**2021**  
YEAR 1  
Ordinance adopted.  
First year of energy use data collected.

**2026**  
YEAR 5  
Buildings are required to meet performance targets or obtain energy audits.

**2031**  
YEAR 10  
Buildings are required to meet performance improvement targets.

## Building Performance Targets

Energy Star Score	EUI Score	Minimum Improvement to be Exempt from Audit Requirement by 2026	Mandatory Minimum Improvement by 2031
0-45	80+	30%	15%
46-65	51-79	20%	10%
66-79	19-50	10%	None
80+	0-18	None	None



For more information:  
[www.chulavista.gov/benchmark](http://www.chulavista.gov/benchmark)

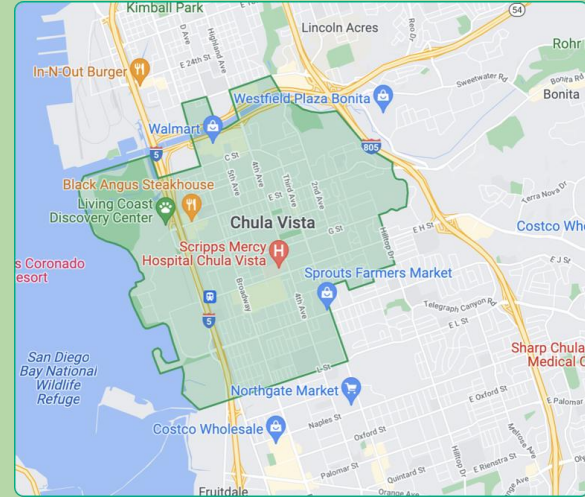
# EV Community Shuttle



Served more than 35,000 people  
Saved more than 3,731 gallons of gas

For more information:

[www.chulavistaca.gov/departments/clean/residents/communityshuttle](http://www.chulavistaca.gov/departments/clean/residents/communityshuttle)





# San Diego Community Power



2022 POWER CONTENT LABEL						
San Diego Community Power						
<a href="https://sdcommunitypower.org/resources/key-documents/">https://sdcommunitypower.org/resources/key-documents/</a>						
Greenhouse Gas Emissions Intensity (lbs CO <sub>2</sub> e/MWh)			Energy Resources	2022 SDCP PowerOn Power Mix	2022 SDCP Power100 Power Mix	2022 CA Power Mix
2022 SDCP PowerOn Power Mix	2022 SDCP Power100 Power Mix	2022 CA Utility Average	Eligible Renewable <sup>1</sup>			
<b>375</b>	<b>0</b>	<b>422</b>	Biomass & Biowaste	1.2%	0.0%	2.1%
			Geothermal	2.6%	0.0%	4.7%
			Eligible Hydroelectric	1.3%	0.0%	1.1%
			Solar	25.5%	50.0%	17.0%
			Wind	23.6%	50.0%	10.8%
			Coal	0.0%	0.0%	2.1%
			Large Hydroelectric	12.8%	0.0%	9.2%
			Natural Gas	0.0%	0.0%	36.4%
			Nuclear	0.0%	0.0%	9.2%
			Other	0.0%	0.0%	0.1%
			Unspecified Power <sup>2</sup>	33.1%	0.0%	7.1%
			<b>TOTAL</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
Percentage of Retail Sales Covered by Retired Unbundled RECs <sup>3</sup> :				0%	0%	

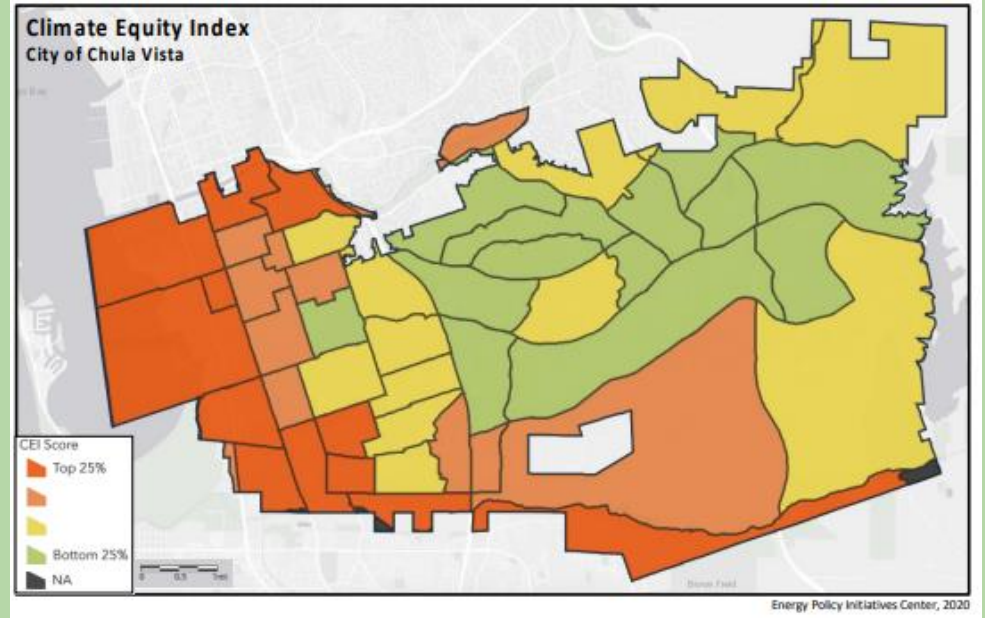
- Community and Member Agency Grants
- Solar for Our Communities
- Residential Solar + Storage
- San Diego Regional Energy Network (SDREN)
- City Council can choose a default of 100% clean energy

- SDG&E 2022 = 508 lbs. CO<sub>2</sub>e/MWh, 26% more
- Largest energy source from natural gas



# Climate Equity Index

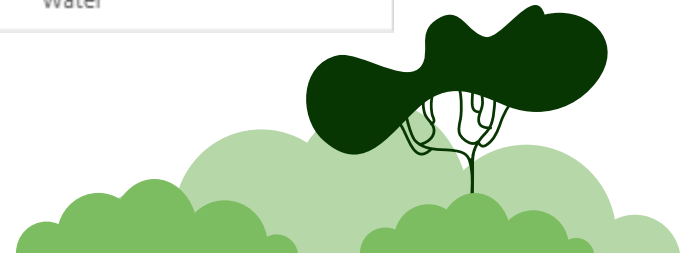
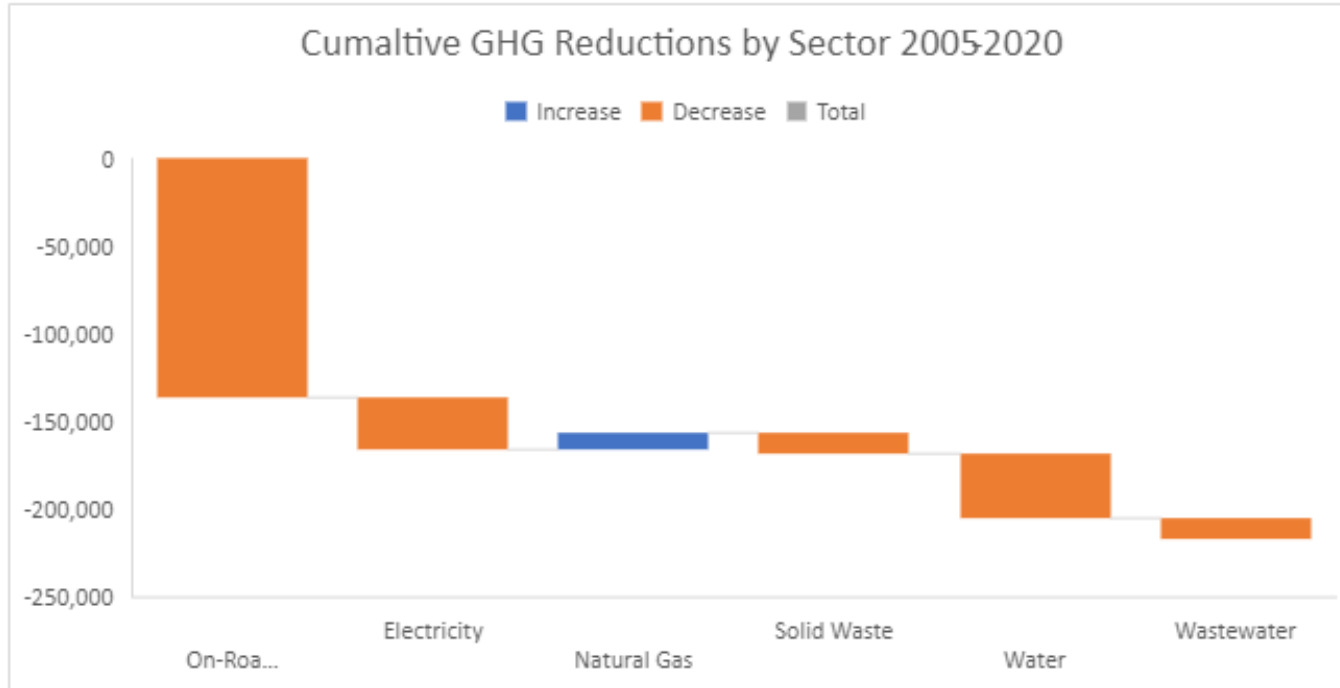
- A Climate Change Working Group recommendation
- Created with input from community working group
- Adopted by City Council in 2021
- Used to prioritize CAP implementation



For more information:  
[www.chulavistaca.gov/cap](http://www.chulavistaca.gov/cap)



# Changes in GHG Emissions by Sector



# 2024 Updates



## Net-Zero Goals

Adopting Science-Based reduction targets for net-zero emissions by 2045



## Focus on clean energy

Energy efficiency is still important but zero emission technologies like heat pumps, induction cooking, EVs, solar and battery storage play a bigger role in creating GHG reductions

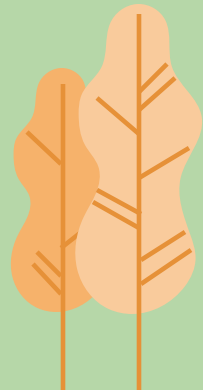
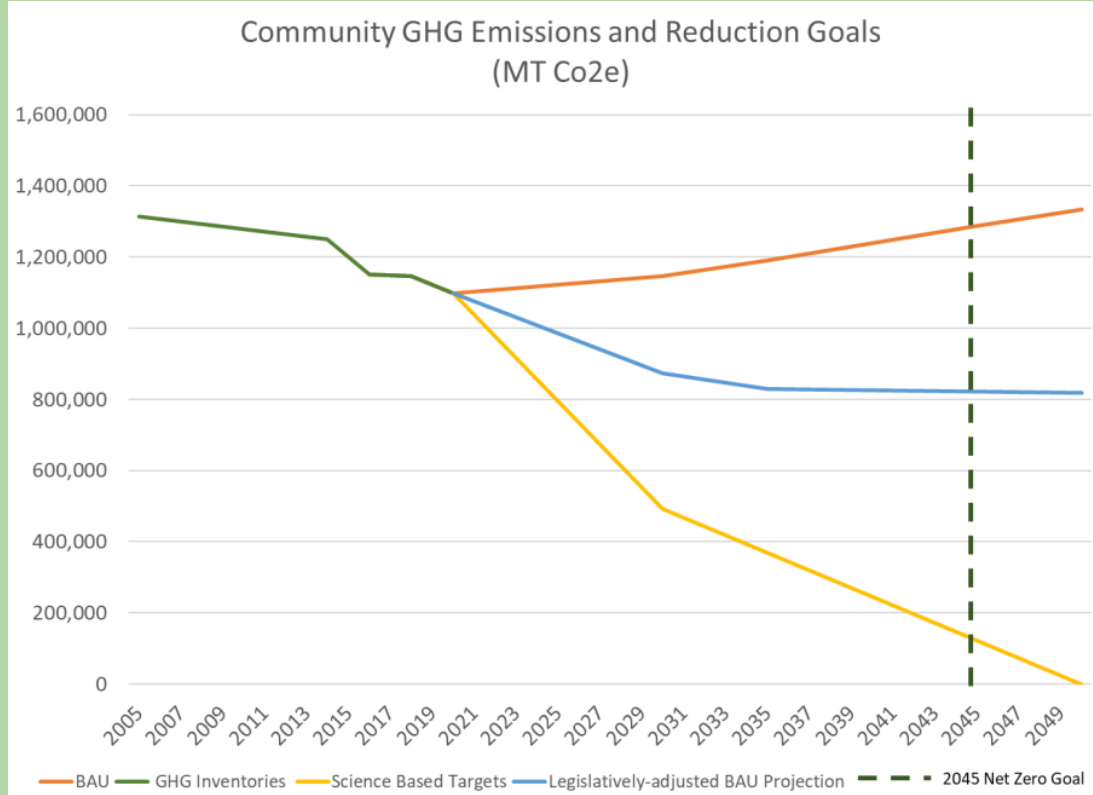


## Prioritize Equity

The Climate Equity Index will be used for CAP implementation and staff would support establishment of a Climate Equity Fund



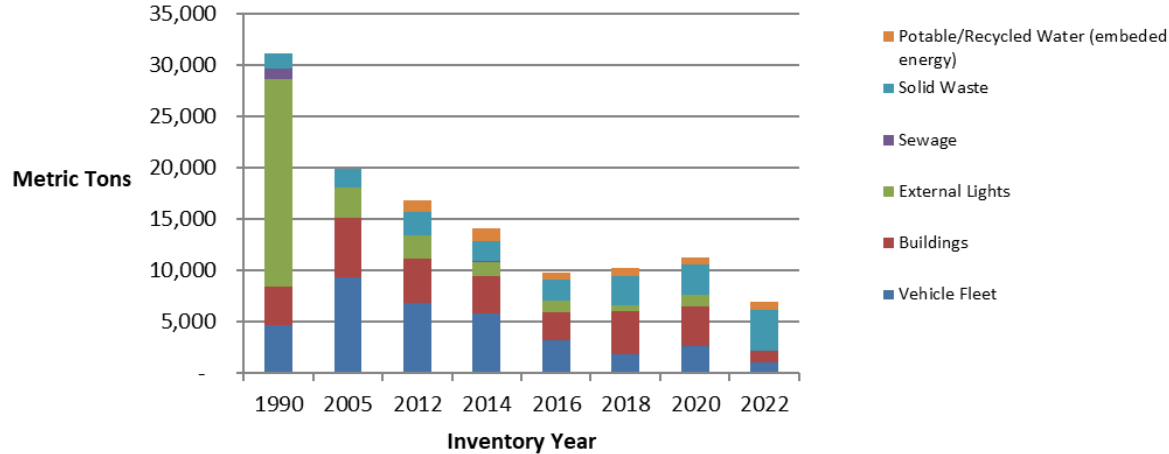
# Greenhouse Gas Reduction Goals



# Municipal Operations Greenhouse Gas Inventories



**Municipal GHG Emissions  
1990 to 2020**



- 80% reduction since 1990
- Elimination of electricity and diesel GHG emissions
- Largest emissions now from solid waste, natural gas and gasoline

# GHG Reduction Measures

CAP Strategies	Emissions Reductions (MT CO <sub>2</sub> e)	
	2030	2045
1. Increase Use of Zero Emission/Alternative Fuel Vehicles	1,299	842
2. Reduce Fossil Fuel use	2,575	1,032
3. Reduce Vehicle Miles Traveled	9,917	18,898
4. Decarbonize Buildings	97,288	213,202
5. Increase Energy Efficiency	8,000	15,000
6. Increase Renewable and Zero-Carbon Energy	75,697	2,030
7. Reduce and Recycle Solid Waste	45,072	52,643
8. Increase Water Conservation and Decarbonization	NA	NA
9. Carbon Sequestration	12,989	12,989
Total Reduction from Federal and State Regulations	315,799	905,258
Total Reduction (Federal, State and CAP Measures)	568,637	1,221,895
Source: Energy policy Initiatives Center, University of San Diego		

# GHG Reduction Measures

## Transportation ● ● ●

- Increase use of zero emission/alternative fuel vehicles
- Reduce fossil fuel use
- Reduce vehicle miles traveled



## Energy ● ● ●

- Decarbonize\* buildings
- Increase energy efficiency
- Increase renewable and zero-carbon energy

\*Decarbonization is the process of **substituting** the use of an energy that directly produces carbon emissions like **gas, diesel or natural gas** for a fuel that does not directly produce carbon emissions, like **electricity or hydrogen**.

- Decarbonization Working Group met for 11 meetings in 2021 and 2022 and made a recommendation for mostly all-electric new buildings that was approved by the Sustainability Commission but was not able to move forward because of legal risk.



# GHG Reduction Measures



## Waste ●●●

- Implement Zero Waste Plan



## Water ●●●

- Increase water conservation and decarbonization

## Carbon Sequestration ●●●

- Increase urban tree canopy cover



# GHG Reduction Measures - Transportation

GHG Reduction Strategy		CAP Measures & Goals	
1	Increase Use of Zero Emission/Alternative Fuel Vehicles	1.1	Measure: Transition to a Zero-Emission Municipal Fleet
			Goal: 75% fleet light-duty vehicles and trucks to be zero emission vehicles by 2030 and 90% zero emission fleet by 2045
		1.2	Measure: Increase Electric Vehicles and Electric Vehicle Charging Infrastructure
			Goal: 68% of new light duty vehicles are Zero Emission Vehicle by 2030 and increasing to 100% by 2035
1.3	Measure: Support Electric School Bus Conversions		
	Goal: Convert 50% school buses (90 total) to electric and 100% by 2045		
1.4	Measure: Continue <a href="#">Chula Vista EV Community Shuttle Program</a>		
	Goal: Continue the existing EV community shuttle service through 2030 and expand its service range by 2045		
2	Reduce Fossil Fuel use	2.1	Measure: Continue Traffic Signal Synchronization Program
			Goal: Retime 360 traffic signals by 2030 and 660 by 2045
		2.2	Measure: Install Traffic Calming Infrastructure
			Goal: Install 10 roundabouts by 2030 and 5 additional roundabouts by 2045

GHG Reduction Strategy		CAP Measures & Goals	
3	Reduce Vehicle Miles Traveled	3.1	Measure: Create Safer Biking and Pedestrian Options
			Goal: Implement Active Transportation Plan by 2030 and update the plan by 2045
		3.2	Measure: Increase Parking Management
			Goal: Implement Downtown Parking Management Plan Recommendation 1: Convert All Parking District Meters (Except Norman Park) to Smart Meters and 3: Increase Parking User Fees to: Meters: \$0.75/hour for meters and \$0.50/hour for Surface Lots by 2030 and provide electric vehicle parking at all feasible City owned parking lots by 2045.

Measure Feedback QR Code ● ● ●

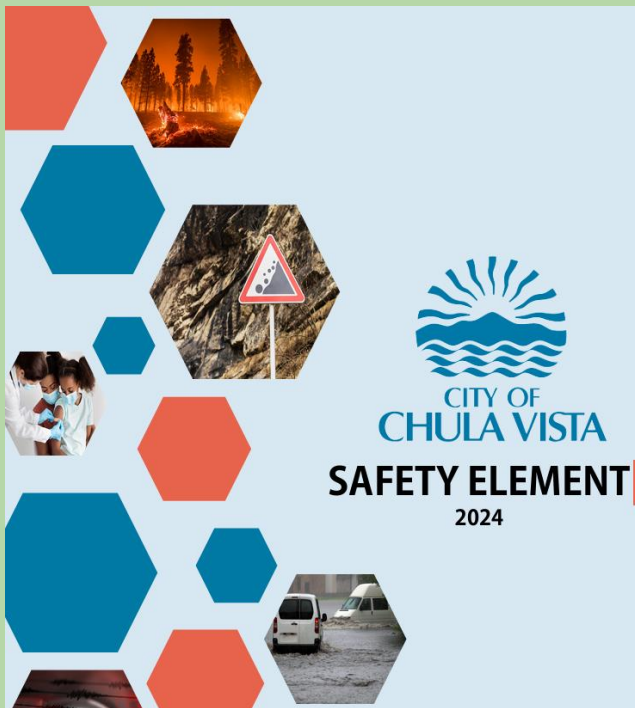






# Adaptation

- Safety Element Update
- High level goals and actions
- More local analysis and implementation details could be included in an adaptation plan
  - [State of CA](#)
  - [City of San Diego](#)



# Outreach

## Climate Change Working Group

A group of 16 volunteer stakeholders with various perspectives met over 7 times to provide recommendations for new actions

## Workshops

Six public workshops planned for summer 2024

## Survey

Online and in-person survey to collect feedback

## CBO

Working to have Community based organizations support CAP design and implementation



# Materials

## Summary QR Code . . .



## Summary . . .

- Background
- GHG reduction targets and measures
- Resources for action now
- Does not include supporting actions

## Survey QR Code . . .



Available at:

[www.chulavistaca.gov/cap](http://www.chulavistaca.gov/cap)



# Workshops

...

Each workshop will present the same information and will include a staff presentation, paper and online survey, GHG reduction sector posters and sector specific surveys.



- June 6 – South Branch from 5:30 pm to 7:00 pm
- June 8 – South Branch from 1:00 pm to 3:00 pm
- June 22 – The Hub at Otay Branch – 1:00 pm to 3:00 pm
- July 11 – Civic Center – 4:30 pm to 6:30 pm
- July 13 – Civic Center – 11 am – 2:00 pm
- July 16 – The Hub at Otay Branch – 4:30 pm to 6:30

# Timeline



2017



Most recent CAP Adopted



2020



Climate Change Working Group held



2022



Climate Emergency with science-based reduction targets declared by City Council



April 2024



CAP update summary and survey to be published



June – August 2024



Public Workshops & Department Outreach



Q1 2025



Full CAP update to be taken to Sustainability Commission and City Council



# Next Steps



## Outreach ● ● ●

CAP Summary and Survey: Available Now

6 Workshops: June & July 2024

## Development of Full CAP ● ● ●

Final: November 2024

## Approval ● ● ●

Sustainability Commission: January, 2025

City Council: March, 2025

For documents and more  
information please visit

[www.chulavistaca.gov/cap](http://www.chulavistaca.gov/cap)





# Thanks



Do you have any questions?

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619-476-2442

[www.chulavistaca.gov/cap](http://www.chulavistaca.gov/cap)