

Jennifer Venema, Climate Action Lead

Danielle Foster, Housing Policy Manager

CLIMATE WORKSHOP

1. QUARTERLY CLIMATE UPDATE - 2022-01441
2. ACCELERATING CARBON NEUTRALITY - 2022-01247



1. Quarterly Climate Update

August 16, 2022

2022-01441

City of
SACRAMENTO

Office of Climate Action & Sustainability



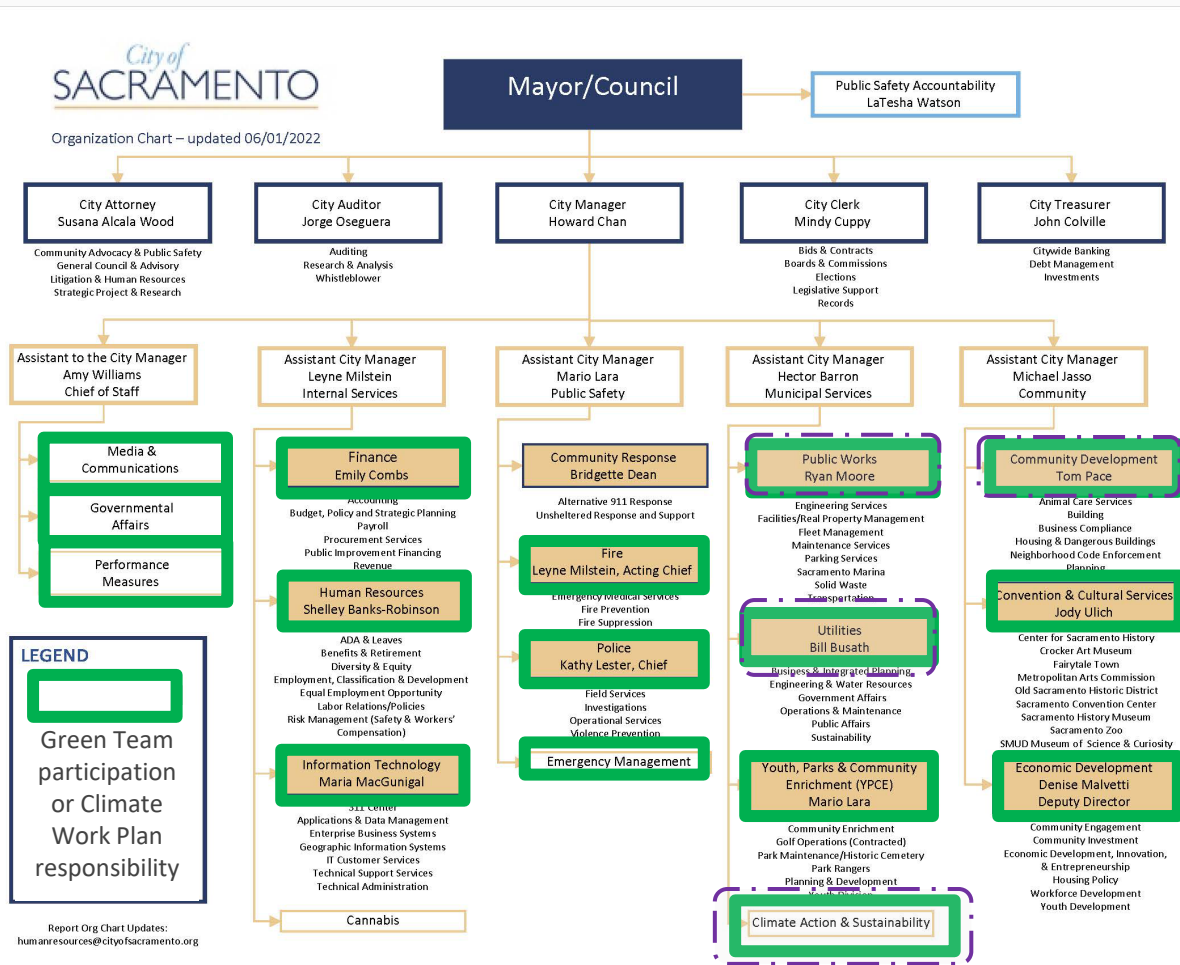
Jennifer Venema
Climate Action Lead



Laila Atalla
Sustainability Analyst

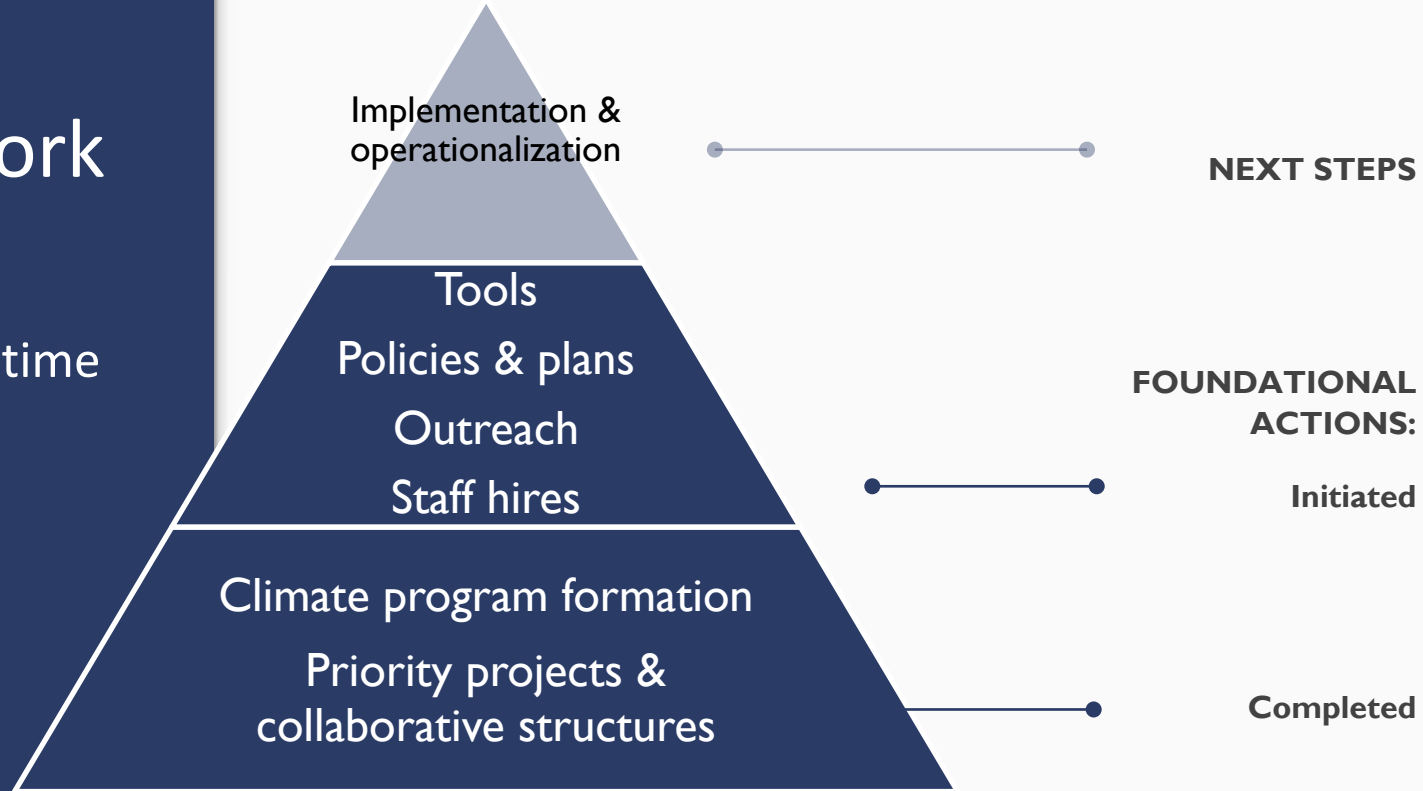
Collaborative approach

- 10.5 dedicated sustainability FTE
- Recruitment underway for 3 FTE



Climate Work Plan

\$4.4 million one-time
allocation



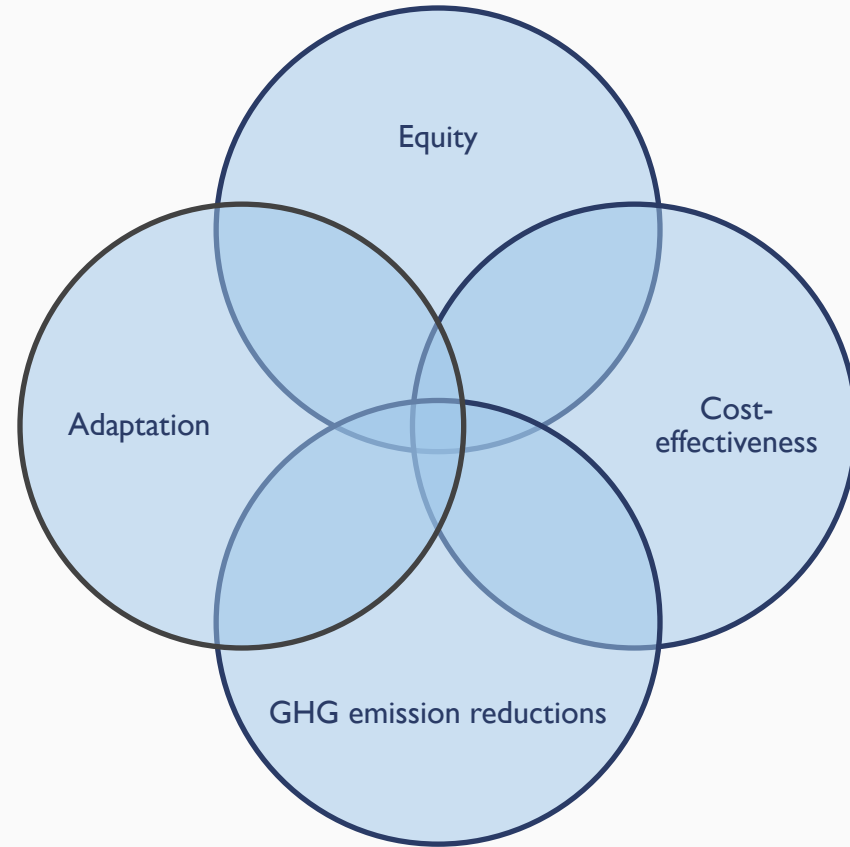
Climate Work Plan

1. Organizational leadership
2. Outreach & capacity-building
3. City facilities & operations
4. Building electrification
5. Active transportation
6. CAAP
7. Green jobs
8. Food access & urban agriculture
9. Water conservation & urban greening
10. Resiliency



Eafa Malik, Carbon Zero Art Contest

Taking a holistic approach



Quarter 2 accomplishments

Affordable Housing Multi-family Efforts

**6 all-electric new & renovated
affordable housing projects**

- Homekey Projects- Saint John's & WEAVE
Manufactured units
- Step Up in Sacramento-
Veev Panelized Units
- Mercy on Stockton Blvd
- Capitol Park Hotel



Mercy Housing Capitol Park Hotel

Home Repair & Retrofits

- Home Repair Program being launched from the Aggie Square Housing Anti-Displacement Funding
- \$60,000 grant for home energy efficiency & electrification pilot
- Pursuing additional grant funding – TECH Quick Start Grant



Transportation

- \$50 million grant for Sacramento Valley Station improvements
- Caltrans planning grants:
 - \$460,000 15-minute neighborhoods
 - \$500,000 Truxel Bridge



Sacramento Valley
Station rendering

City facilities & operations

- Electric garbage truck procurement
- 5 fire stations energy audits completed
- Beacon Platinum Award for 41% natural gas reduction since 2005



Cole Building



Mack LR Electric



Climate Equity Pilot



Clean & green initiatives



Sustainability & climate action metrics tracking system

Coming soon

How can Sacramento move faster?

Zero carbon electricity for City facilities

Evaluate enrollment of non-solar electricity accounts in SMUD's Greenergy Program in the budget process

Resources

- SMUD Greenergy Program

Costs

- ~\$1 million annually
- ***Future budget decision outstanding**

GHG Emission Reductions

- 22% of municipal GHG emissions

Climate outcomes for City-funded grant programs

Evaluate & integrate applicable GHG criteria into future City-issued grants & incentives

Resources	Costs	GHG Emission Reductions
<ul style="list-style-type: none">• Existing City funds• Leveraging external resources	<ul style="list-style-type: none">• Trade-offs with other program goals	<ul style="list-style-type: none">• Variable, based on program

Examples:

1. Home rehab & retrofits
2. Workforce funding
3. Youth climate ambassadors

Early climate action is ongoing, while plan development & supportive tasks are underway.

Thank you

Jennifer Venema

Climate Action Lead

jvenema@cityofsacramento.org

CityOfSacramento.org/ClimateAction

City of
SACRAMENTO
Office of Climate Action & Sustainability





Matt Hertel, Principal Planner | Long Range Planning Manager
Jennifer Venema, Climate Action Lead
Ryan Moore, Director of Public Works

8/16/2022



2. Accelerating Carbon Neutrality

August 16, 2022

2022-0144

Climate Action and Adaptation Plan



July 1, 2022

**Climate Action Plan
Preliminary Public
Review Draft**

30-day initial review



Late Fall 2022

**Draft 2040 General Plan, Climate
Action and Adaptation Plan, Master
Environmental Impact Report**

Minimum 45-day review



City of
SACRAMENTO

Preliminary
**Climate Action &
Adaptation Plan**

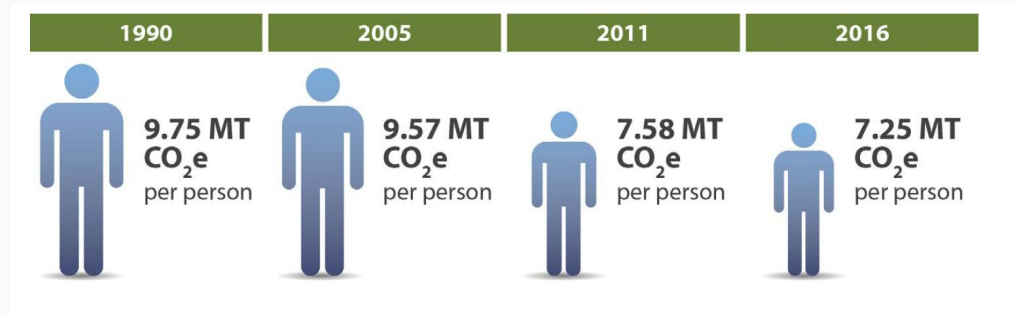


Public Review Draft
July 1, 2022

Early Progress, 2005 - 2016

- **20% reduction**
in community GHG
emissions
- **28% reduction**
in municipal GHG
emissions

Per Capita GHG Emissions Over Time



Carbon Neutrality - Context and Targets



Climate Action and Adaptation Plan

- **Qualified CAP**
- **2045 Target**



Mayors' Commission on Climate Change

2045 Target



Draft AB 32 Scoping Plan Update

2045 Target



City's Climate Emergency Declaration

Resolution No. 2019-0465

Land Use, Infill Development & Housing



CAP Measure E-5

- 90% of growth in established and center/corridor communities
- 90% small-lot and attached homes



Ministerial Approval of Infill Housing

Incentivizing infill housing



Accessory Dwelling Units

Increasing housing opportunities
within existing neighborhoods



Prohousing Designation

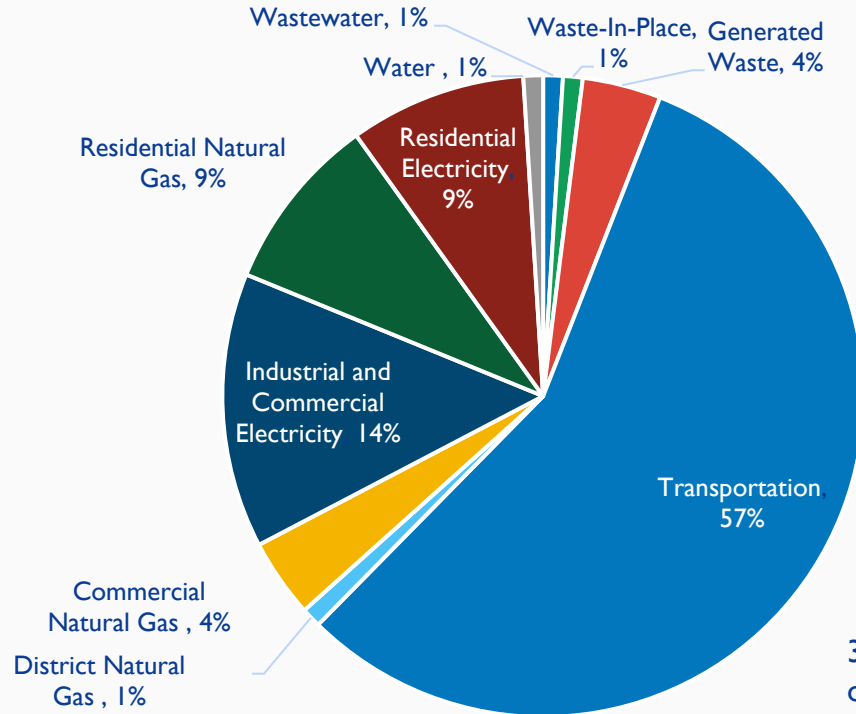
Competitive grant advantage



City of Sacramento GHG Emissions

94% of emissions are generated from transportation and building energy use

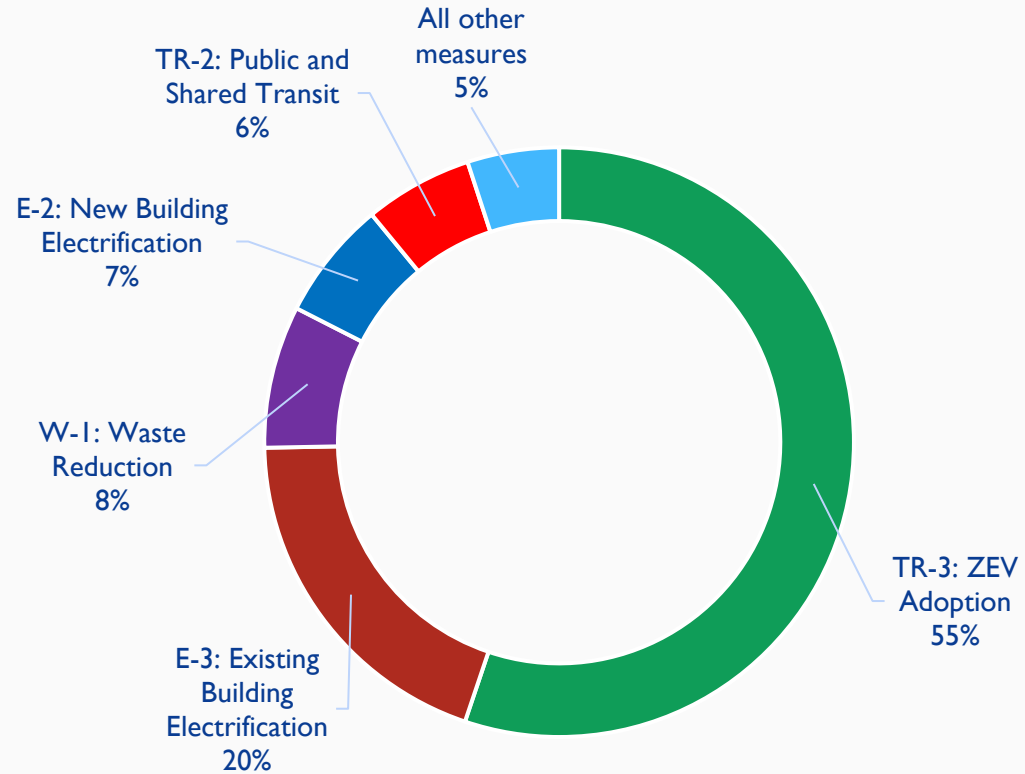
2016 City of Sacramento Community-Wide GHG Emissions by Sector



3.4 million metric tons of carbon dioxide equivalent (MTCO₂e)

CAP Measures with Greatest GHG Emission Reduction

Top 5 Measures
account for 95% of
CAAP reductions
in 2045.



2045 CAP GHG Reductions

2.06 million MTCO₂e

*Excludes State reductions

Support Zero Emission Vehicle (ZEV) Adoption

Total ZEVs

(% of all car registrations in Sacramento)

	2030	2045
Passenger vehicles	28%	100%
Commercial vehicles	22%	100%

55% of 2045 GHG reductions



SMUD 2030 ZERO Carbon Plan

100% zero-carbon
power by 2030

47% of 2030 GHG reductions*

*Full zero-carbon required by 2045 by State law

Flexible pathway to zero carbon



Existing Building Electrification

Reduce natural gas usage
28% percent by 2030 and
74% by 2045.

20% of 2045 GHG reductions



Organic Waste Disposal

Work to reduce organic
waste disposal 75%
below 2014 by 2025

8% of 2045 GHG reductions



New Building Electrification

Ordinance adopted in 2021, preparation for implementation is in progress

7% of 2045 GHG reductions



PICTURED: ALL-ELECTRIC BROADWAY REDUX ON LOWER BROADWAY BY INDIE CAPITAL

Additional Measures

Including:

11% public transit mode share

12% active mode share

35% tree canopy

11% of 2045 GHG reductions



What Would Faster Carbon Neutrality Look Like in Sacramento?

SMUD 2030
Zero Carbon
Plan realized

All gas appliances are
switched to electric

No emissions
from vehicles

+ ?



What Would Faster Carbon Neutrality Look Like in Sacramento?

SMUD 2030
Zero Carbon
Plan realized

All gas appliances are
switched to electric

>200,000 buildings
converted to all-electric

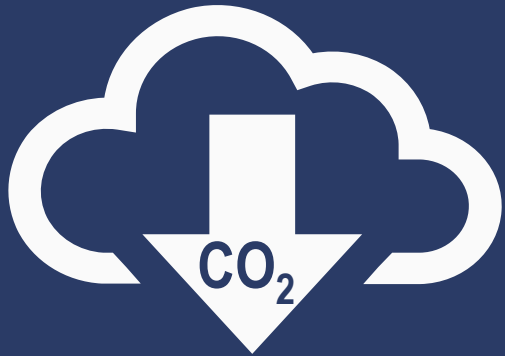
No emissions
from vehicles

~600,000 vehicles
replaced with all-
electric
+
?
(~2,000 replaced in
City fleet)

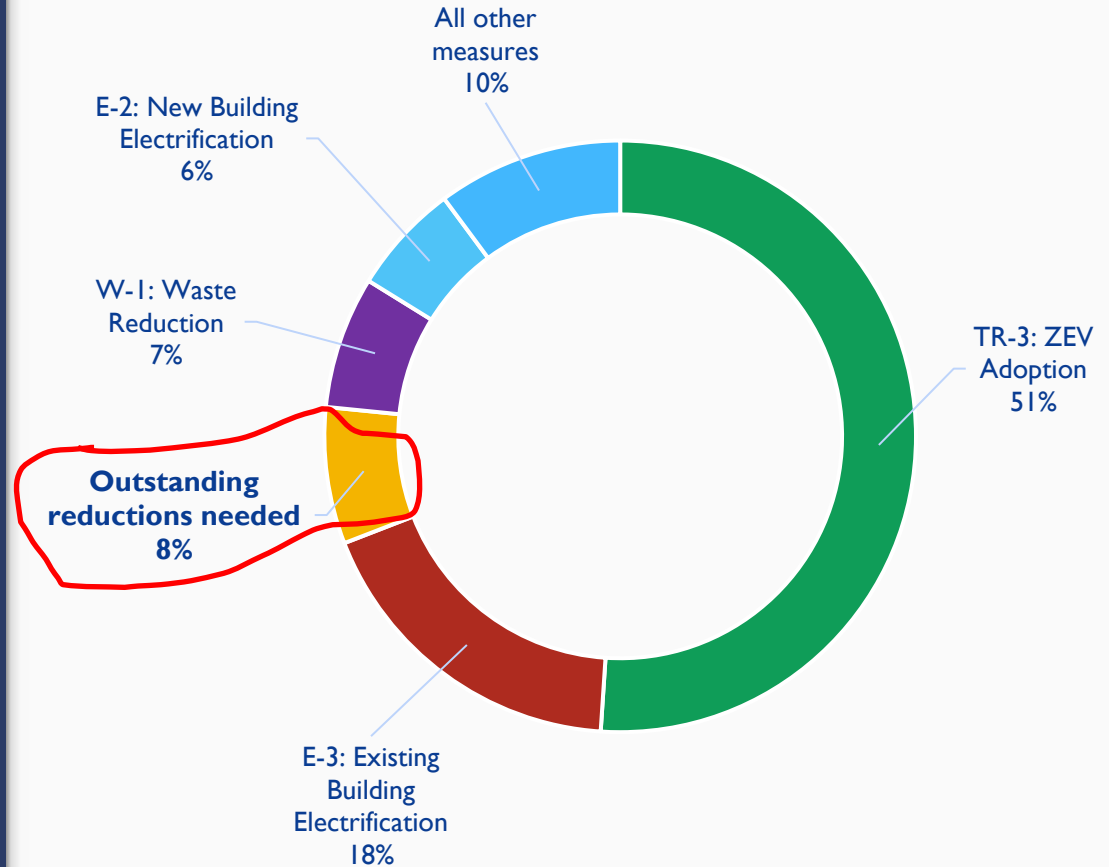
More partnership or
regulatory authority for
issues outside of City

Carbon offsets

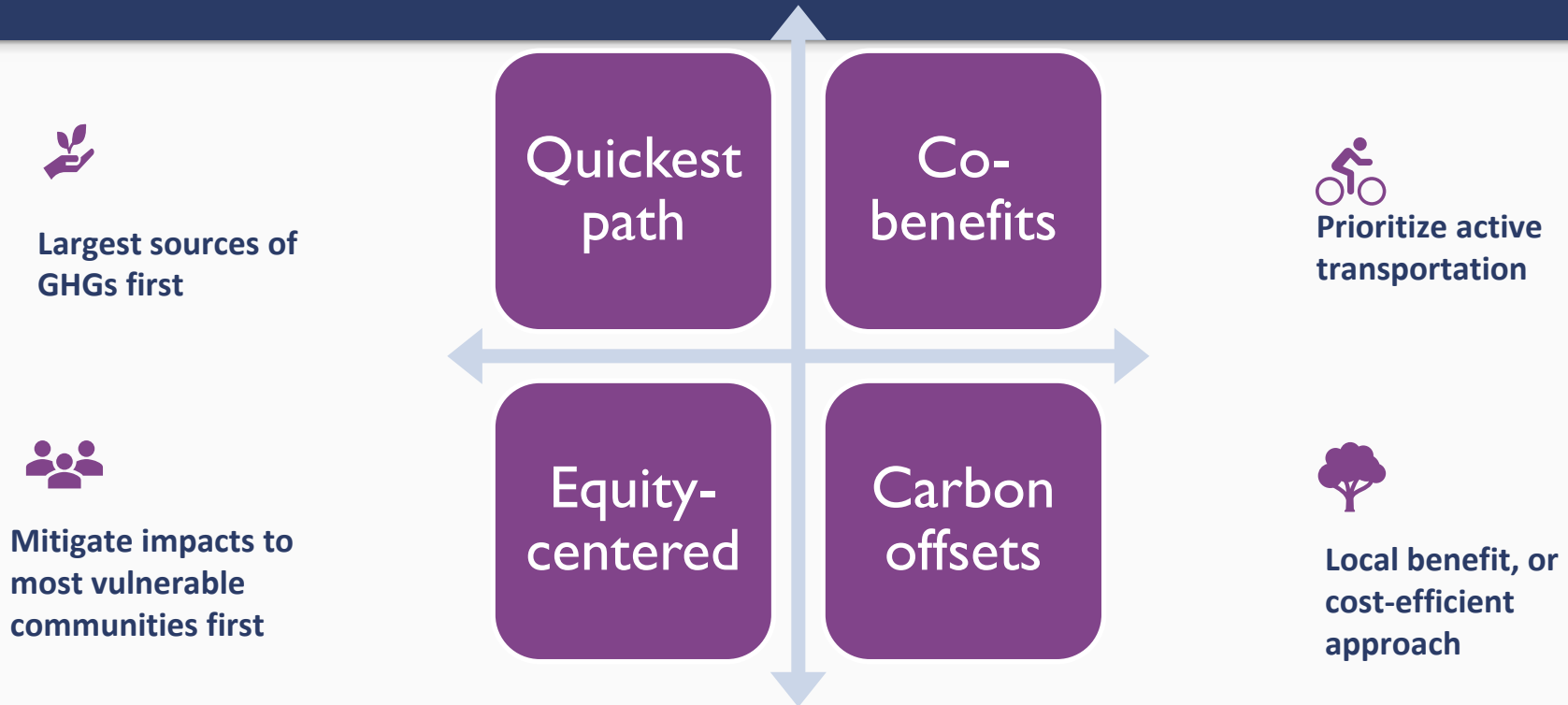
Carbon Offsets or Other Accelerated Action



8% of 2045 GHG reductions



Considerations for Carbon Neutrality Approach



Considerations for Carbon Neutrality Approach

Cost-benefit

To whom?

Community
City agency

When?

Upfront
Future – one-time and/or ongoing

External resources?



Inflation Reduction Act of 2022

\$369B 10-year Energy Security and Climate investment

Image source: REUTERS/Leah Millis (2022), <https://www.reuters.com/world/us/house-set-give-biden-new-win-with-430-bln-bill-climate-drug-prices-2022-08-12/>

City of Sacramento Role in Carbon Neutrality



City of
SACRAMENTO



Regional Successes



Active Transportation Projects

- Del Rio - \$15M
- Two Rivers II - \$7M
- Sac River, Morrison Creek



Complete Streets

- Franklin Blvd. - \$22M
- Broadway - \$15M
- Del Paso Blvd. - \$4M



Sacramento Valley Station

- \$50M TIRCP partnership



EV Efforts

- EV Blueprint - \$1.8M CEC + \$1M regional match
- E-Visionary Award

Other Efforts

- Regional climate partnerships – CRCRC, CERF, RCC, etc.

Funding Steps to Accelerate Carbon Neutrality



Holistic Solutions



Ballot Initiatives



Climate Work Plan

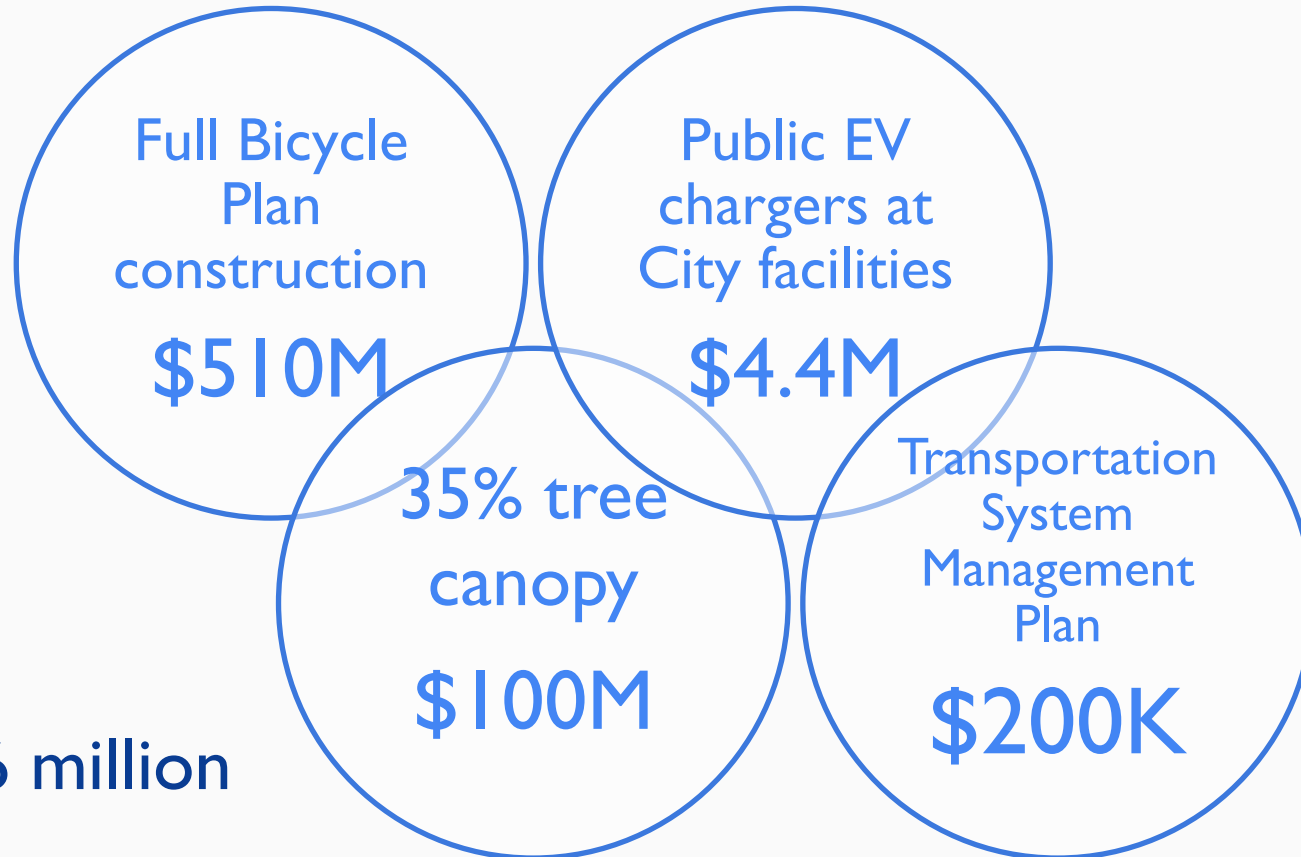


Regional Partnerships

- **\$100,000 to explore new funding sources**
- **“Fair share” of regional resources needed**

**\$3.2B funding gap for
City implementation**

Estimated City Costs of Priority CAAP Measures



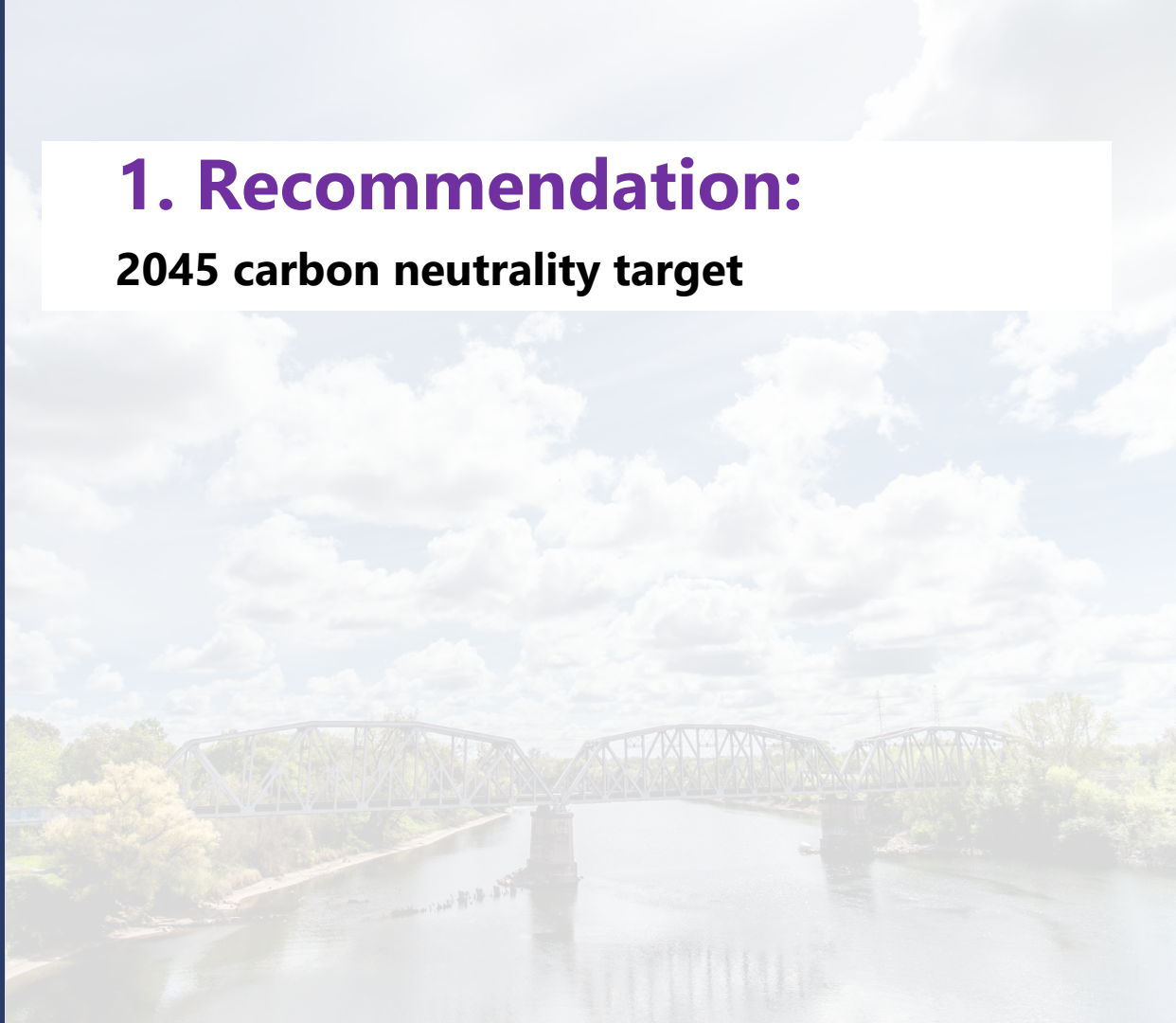
The City of Sacramento is committed to decisive climate action and the pursuit of carbon neutrality.

With a 2045 reduction target, the City can continue to accelerate feasible actions as resources allow.

Staff recommend a 2045 carbon neutrality target, and request direction on approach and resources to accelerate what is feasible.

1. Recommendation:

2045 carbon neutrality target



Staff recommend a 2045 carbon neutrality target, and request direction on approach and resources to accelerate what is feasible.

2. Discussion:

What action should be accelerated, and with what resources?

Examples:

- a) Funding – advocate for more significant funding for impactful projects; support is needed
- b) Advocate the State to take more active role: building stock, local fleet, investments in transit

Thank you

CityOfSacramento.org/ClimateAction

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