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COUNTY
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FUTURE

2015 Energy & Climate Action Plan Final Report & Climate Action Program Updates

Community Services Department

Board of Supervisors

April 5, 2022

County of Santa Barbara



Presentation Outline

- 2015 Energy & Climate Action Plan Final Report
- 2030 Climate Action Planning Process
- Climate Action Program Updates
- Early Actions & Next Steps

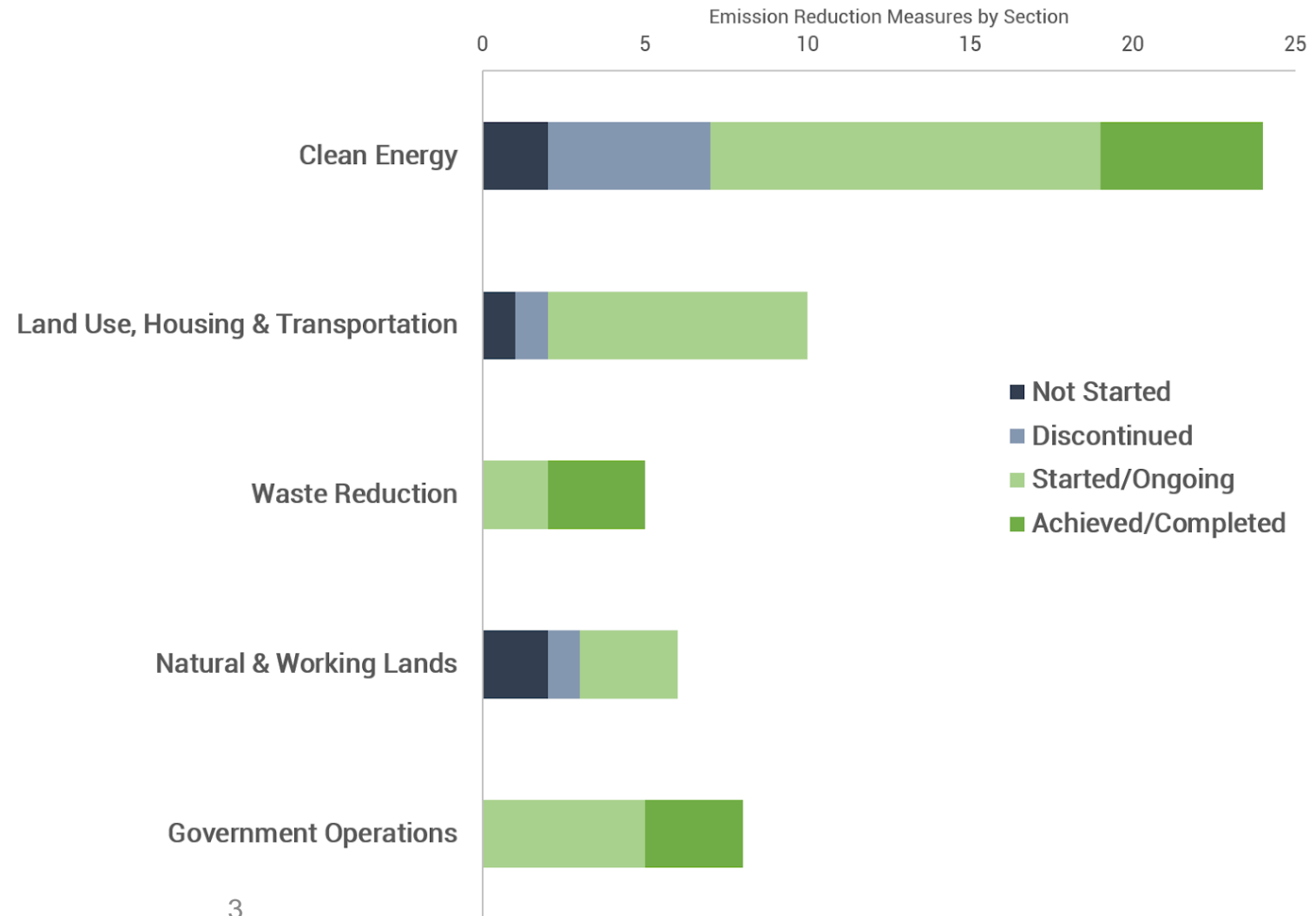
2015 Energy & Climate Action Plan

Measure Progress

- 41 out of 53 (77%) measures were either initiated or completed by 2020
- 5 (9%) measures have not yet started
- 7 (13%) measures were discontinued

Emissions Progress

- 44% of the target reductions were achieved
- 2018 annual carbon emissions are 3% lower than 2016



2015 Energy & Climate Action Plan Highlights



Adopted Strategic Energy Plan

Joined Central Coast Community Energy

Launched the Tri-County Regional Energy Network

1,626 homes retrofitted for energy efficiency

1,144 affordable housing units created

240 new homes exceeding energy code

672 infill units built



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2015 Energy & Climate Action Plan Highlights



Adopted **Santa Ynez
Bicycle Master Plan**



50 New Fleet
Electric Vehicles
70 Charging
Stations installed



36 tractors
replaced for
lower emissions
since 2017



24 agriculture
irrigation
evaluations
2019 - 2020



94 **Green**
Certified
Businesses

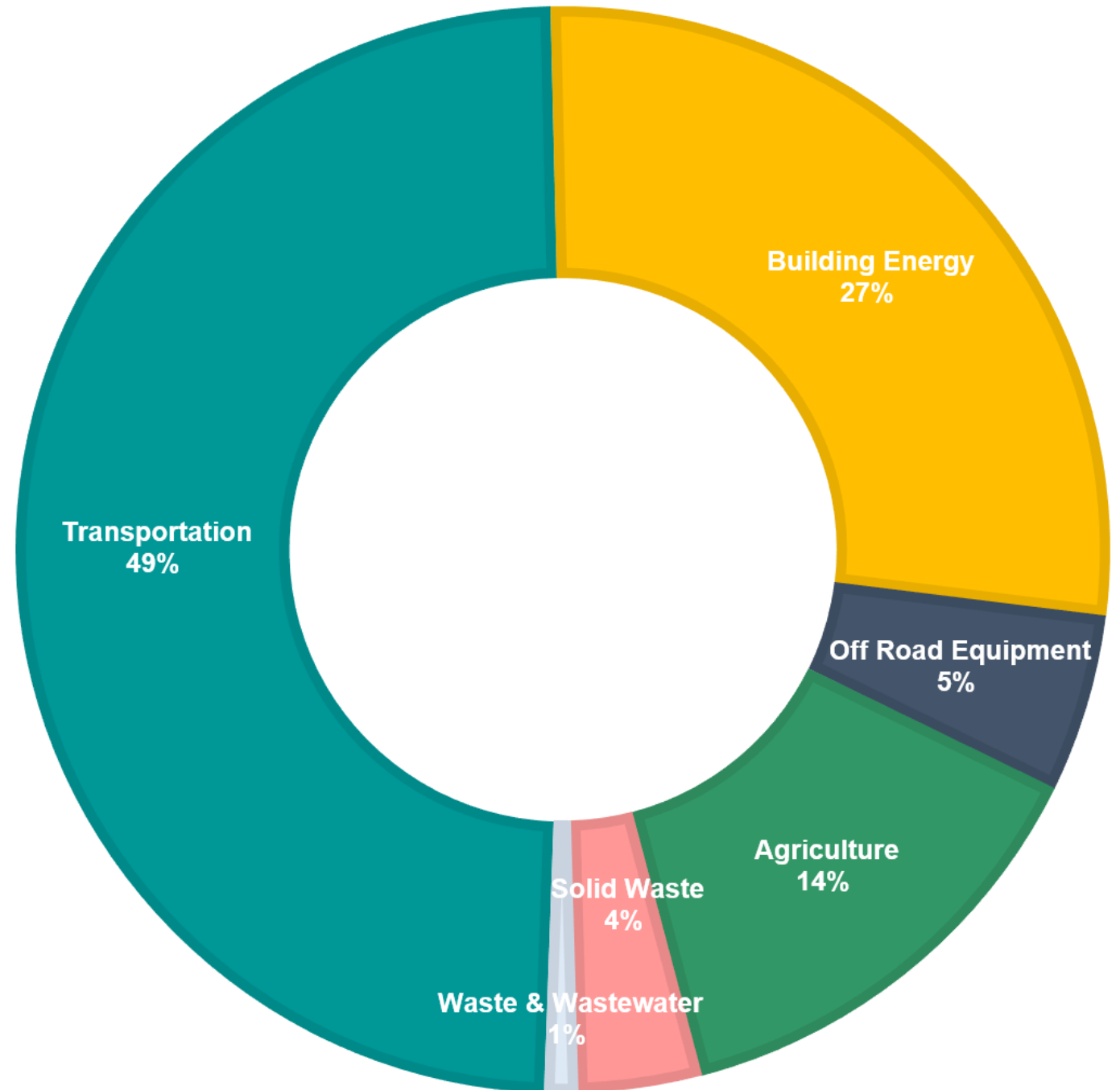


293 landscaping
tools replaced
through Landscape
Equipment
Electrification Fund

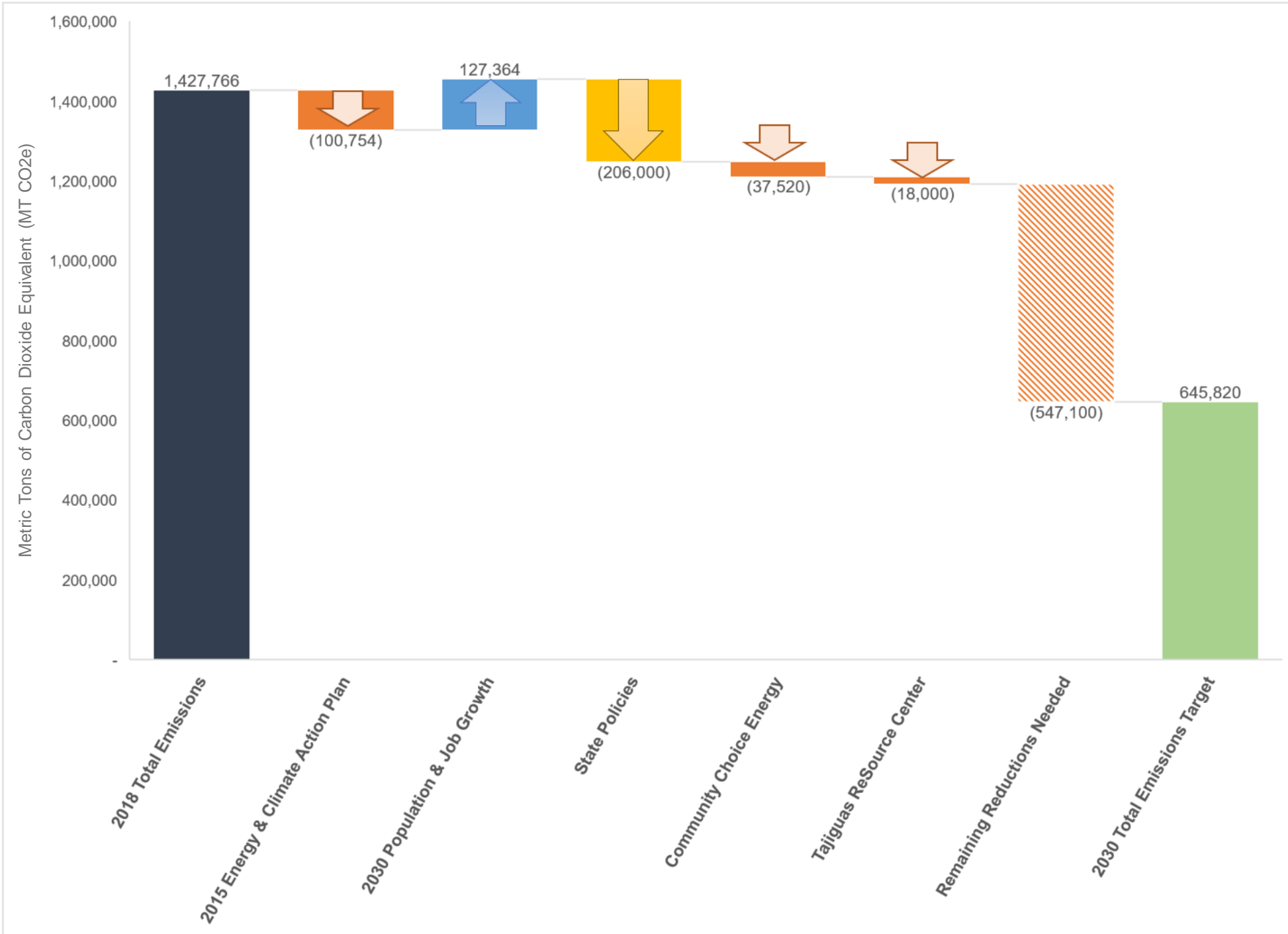
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Unincorporated County Emissions Sources (2018)



Getting to 2030



2030 Climate Action Planning Process

County-led Outreach & Engagement	Technical Activities
Phase I - Launching the Plan	
<ul style="list-style-type: none"> • Website launch • 7 Equity Advisory + Outreach Committee Meetings • 2 Community Workshops • 5 Listening Sessions • 7 Community Presentations 	<ul style="list-style-type: none"> • Emissions Reduction Evaluation (Final Report) • 2018 Greenhouse Gas Emissions Inventory
Phase II - Developing the Plan	
<ul style="list-style-type: none"> • 4 Stakeholder Meetings & Sector-Specific Roundtables • 2 Community Workshops • 8 Community Presentations • Online Community Engagement (Consider It) • Promotores Outreach 	<ul style="list-style-type: none"> • Emissions Forecasting • Draft Measures & Actions • Strategy & Scenario Development

Drawing From Community-led Efforts

Climate Resilience Roundtables

- 5 climate, resilience & equity-themed roundtables
- Over 435 participants
- 16 crowd-sourced and selected ideas to build community climate resilience

Regional Green New Deal

- Central Coast Climate Justice Network and UC Santa Barbara
- 34 house meetings, 309 participants

Draft Measures and Actions on Consider It

- Community engagement platform available Dec 1-Feb 15
- County proposed 16 measures & 59 actions
- Over 160 responses, including 50 new actions

Increase the use of zero emission vehicles.

[add new](#)

sort by: Trending ▾

All opinions Just you Custom view

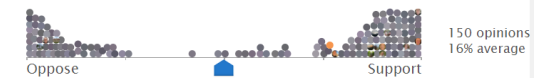
Let the marketplace sort out which programs are economically sustainable.

Added: 1/23/2022 | 2 pros and cons | [give your opinion](#)



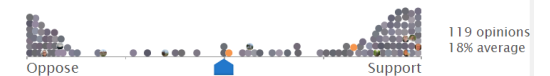
Expand County-owned and operated electric vehicle charging stations for fleet and public use. (Including public right-of-way for dense multi-family neighborhoods and rural communities.)

Added: 12/3/2021 | 15 pros and cons | [give your opinion](#)



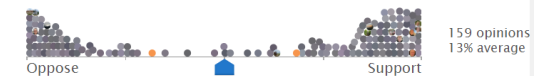
Introduce a net-zero and pollution free battery recycling program.

Added: 12/8/2021 | 9 pros and cons | [give your opinion](#)



Transition the County medium and heavy duty fleet vehicles to zero emission vehicles.

Added: 12/3/2021 | 22 pros and cons | [give your opinion](#)

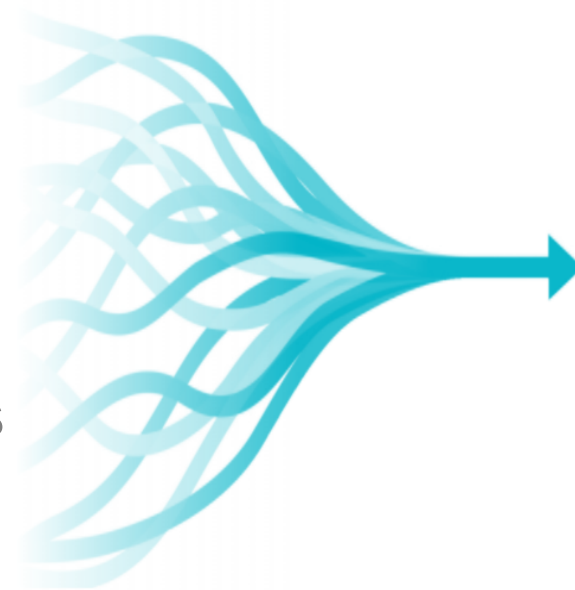


Barbara



Bringing it together

- Equity Advisory & Outreach Committee
- Listening Sessions
- Community Workshops
- Stakeholder Meetings
- CEC Resilience Roundtable Series
- Green New Deal House Meetings
- Consider It
- Technical Analysis



VISION
GOALS & OBJECTIVES
PRIORITIES & GUARDRAILS



MEASURES & ACTIONS
IMPLEMENTATION
METRICS

2030 CAP Focus Areas



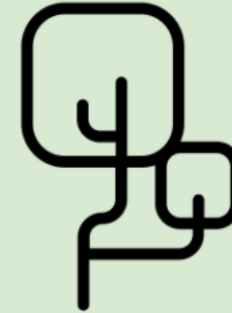
**Housing,
Mobility &
Transportation**



**Resilient Clean
Energy**



**Sustainable &
Circular
Economies**



**Land
Stewardship &
Carbon
Sequestration**

Looking Ahead

April **Board Hearing: 2015 ECAP Final Report, Early Actions**

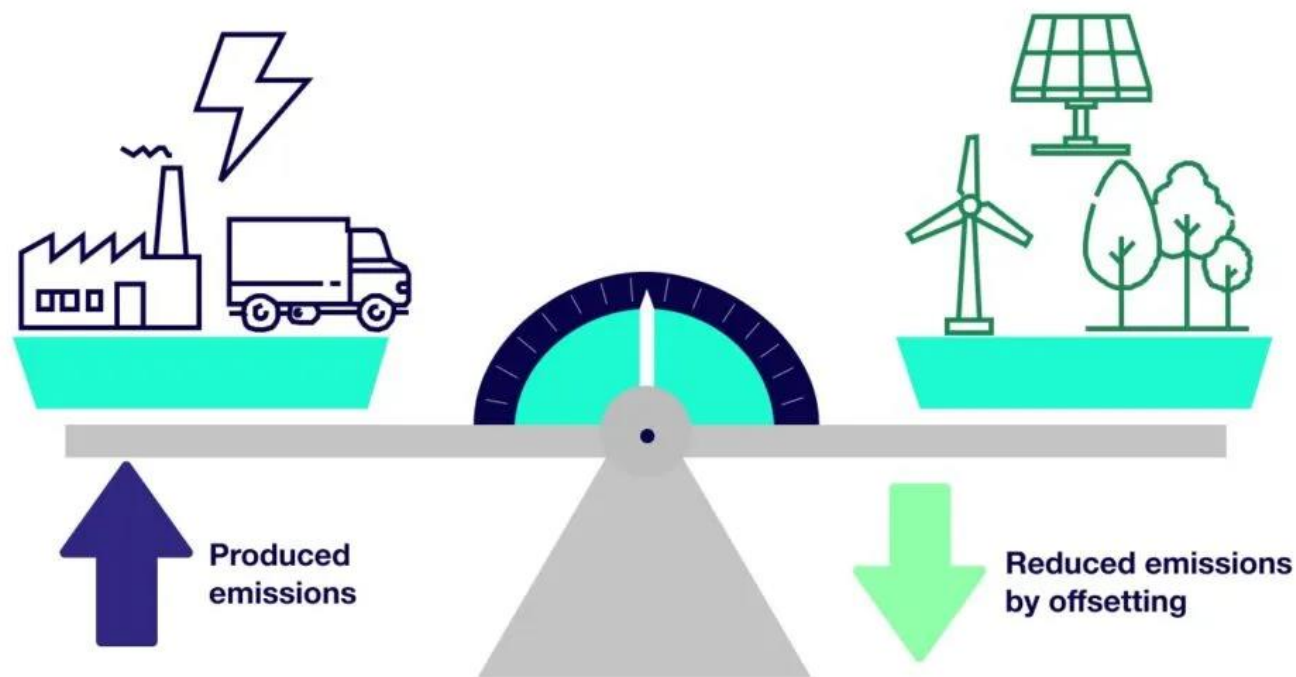
2022 Draft 2030 Climate Action Plan

Prepare Environmental Impact Report

2023 Final Plan and EIR to Board for Adoption

Climate Action Program Update Recommendations

- Adopt a 2045 carbon neutrality goal
- Update the 2030 target to 50% net reduction from current (2018) levels



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Climate Action Program Update Recommendations

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Baseline Year	Baseline Emissions	2030 Emissions Target	2030 Target Emissions	Volume of Emission Reductions Needed to Meet Goal (from 2018 levels)	Equivalent to Cars' Annual Driving ¹
2007	1,291,628	50% below 2007	645,814	781,952	170,059
2018	1,427,766	50% net reduction from 2018	713,883	713,883	155,255

1. Estimated using the EPA Greenhouse Gas Equivalencies Calculator

Recommended Early Climate Actions

1. Develop an ordinance to restrict natural gas infrastructure and increase energy efficiency performance and electric vehicle charging infrastructure for new residential construction and major renovations.

- Building energy use accounts for 27% of the communitywide carbon emissions.
- 50+ jurisdictions with electric-friendly, electric-required or no new gas ordinances
- Would avoid over 10,000 MT of carbon emissions, or roughly 8% of forecasted natural gas emissions; equivalent to 2,155 passenger vehicles
- **CSD staff would work with P&D and stakeholders to develop criteria and requirements for adoption**

Recommended Early Climate Actions

2. Assess the feasibility of updating the Zero Net Energy Resolution to Zero Carbon for County buildings in order to design and build new buildings to be all-electric and replace or retrofit space and water heating devices and equipment in existing buildings.

- County facilities consume average 500,000 therms of natural gas each year, equivalent to 575 passenger vehicles
- Develop size- and cost-based criteria for replacing natural gas equipment with all-electric
- Take place through the annual Capital Improvement Program
- Would address smaller projects initially and capture larger projects over time
- **CSD staff would work with GS to prepare resolution for adoption**

Recommended Early Climate Actions

3. Develop a Zero Emission Vehicle Plan to strategically identify gaps, resources, projects and programs to advance the use of zero emission vehicles in County operations and the community.

- Transportation accounts for nearly 50% of carbon emissions
- Zero emission vehicles (ZEV) account for less than 2% of all local vehicles
- 2022/23 budget expansion request submitted for FTE ZEV specialist
- **CSD would work with internal and external stakeholders to begin development of ZEV Plan for adoption**

Recommendations Summary

- 1. Receive and file 2015 Energy & Climate Action Plan Final Report**
- 2. Update Climate Action Program**
 - i. Adopt carbon neutrality by 2045
 - ii. Update baseline year and interim target
- 3. Provide direction regarding Early Climate Actions**
 - i. Natural gas ban for new construction, local energy code amendments
 - ii. County facility Zero Carbon Resolution
 - iii. Zero Emission Vehicle Plan

Thank you

A planning effort of the

