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COUNTY
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FUTURE

County of Santa Barbara

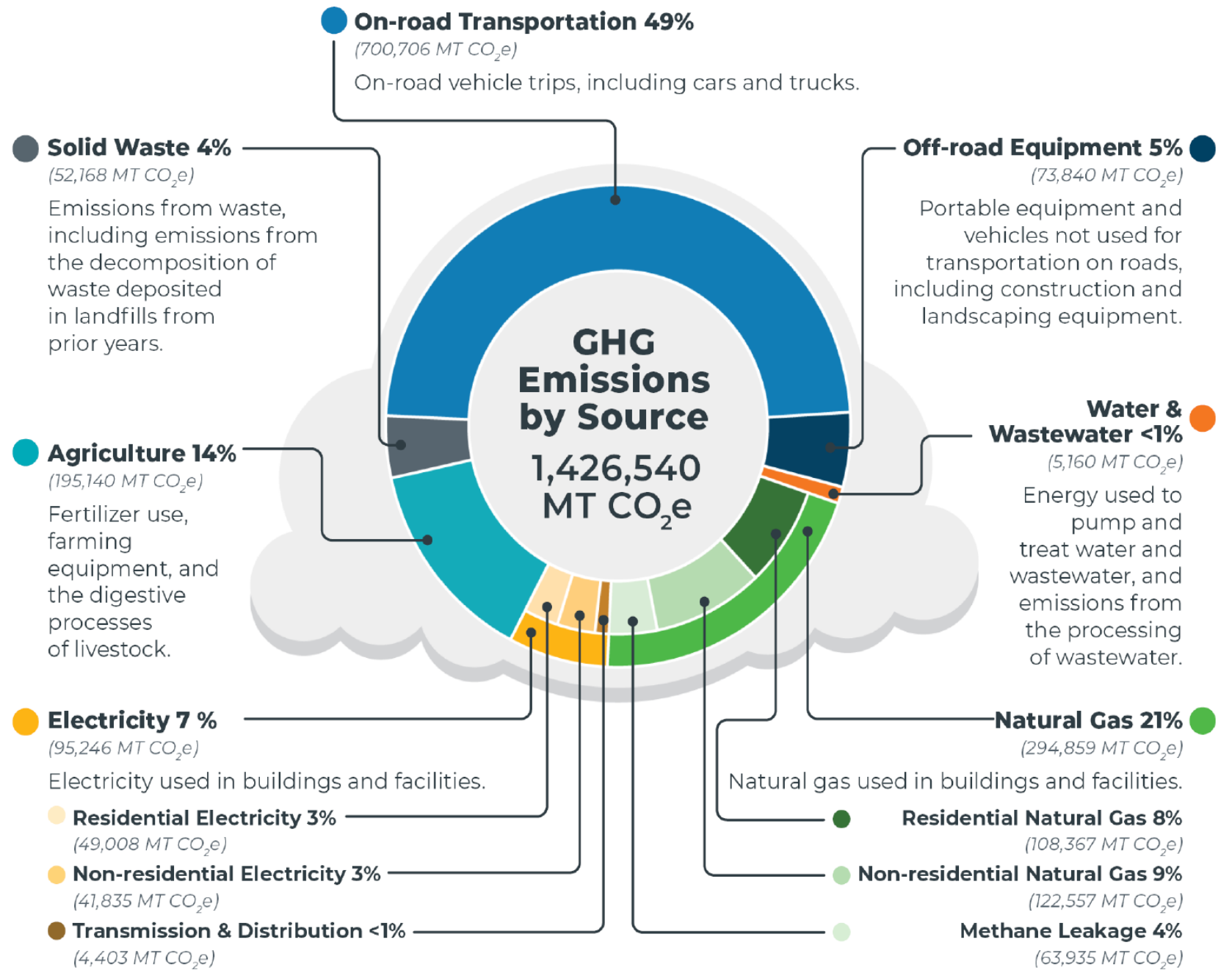
2030 Climate Action Plan



Recommended Actions

- A. Receive and file an update on the development of the draft 2030 Climate Action Plan;
- B. Provide direction on any changes to the draft 2030 CAP;
- C. Provide direction regarding the 2030 CAP GHG emission reduction goal as follows:
 - i. Retain 50% by 2030 goal and direct staff to incorporate actions in the draft CAP to achieve the goal;
or
 - ii. Adopt a new goal: 40% by 2030 and maintain the CAP as currently drafted;
- D. Provide direction regarding options to expand existing Agreement with Rincon Consultants, Inc. to conduct additional financial analysis:
 - A. Conduct County Government Cost Analysis (Cost range: \$45,000-\$60,000);
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Where do our emissions come from?



Plan Development Process & Community Engagement



Listening Sessions



Equity Advisory & Outreach Committee



Community Presentations, Workshops and in-Person Events



One Climate Video



Virtual Engagement Opportunities



Presentations to Committees, Commissions and Board

Equity Guardrails

Access to Health & Safety Benefits

Ensure marginalized communities and others most impacted by climate change have equitable access to health, safety, and comfort benefits from climate actions.

Access to Economic Benefits

Ensure all community members, especially marginalized communities, have equitable access to affordable funding and financing mechanisms, and to high-road job opportunities.

Ensure Ease of Adoption

Ensure that incentives and programs provide meaningful support to community members, starting with language access. Provide a simple process that minimizes the burdens and impacts associated with technology adoption or behavior change.

Promote Housing Affordability & Avoid Displacement

Ensure community investments or building upgrades don't displace or over-burden renters and homeowners. Programs should support housing production, housing preservation, and tenant protections.

Plan Structure



Focus Areas

Housing & Transportation

Clean Energy

Waste, Water and Wastewater

Nature-Based Solutions

Low-Carbon Economy

Municipal Operations

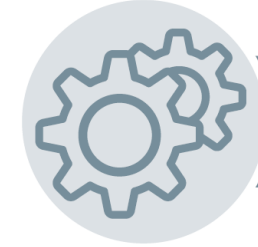


Measures

Short and long-range approaches to implement each goal.

Goals

Level of performance to measure implementation.



Actions

Policies, programs, activities, and/or partnerships

Housing & Transportation

TR-1 Increase the use of zero-emission vehicles

- Increase passenger EV car ownership to 25% by 2030 and 90% by 2045
- Increase commercial EV car use to 15% by 2030 and 75% by 2045
- Install at least 375 publicly available EV chargers by 2030

TR-2 Increase affordable housing and mobility options

- Decrease vehicle miles travelled by 14% by 2030 and 28% by 2045 by increasing public transit mode share, increasing bike mode share, and implementing land use development strategies consistent with the Connected 2050 RTP/SCS

TR-3 Decarbonize off-road emissions

- Decarbonize 21% of off-road equipment by 2030 and 38% by 2045



Clean Energy

Increase clean energy use and energy resilience in new and existing buildings

- Implement residential and commercial building energy efficiency programs in 4% of buildings by 2030 and 7% of buildings by 2045
- Electrify 100% of new residential and new commercial construction by 2023
- Electrify 14% of existing residential buildings by 2030 and 90% by 2045
- Electrify 14% of existing commercial buildings by 2030 and 75% by 2045
- Achieve 100% renewable electricity for all residential and commercial customers into by 2030



Waste, Water and Wastewater

Reduce food waste and increase use of organic recycled materials

- Reduce landfilled organics 80% by 2030 and 100% by 2045

Reduce use of non-recyclable and non-compostable single use items

- Reduce landfilled inorganic waste 35% by 2030 and 90% by 2045
- Meet SB 1383 compost procurement requirements for the unincorporated County of 0.08 tons per capita

Increase energy- and carbon-efficiency of water production treatment conveyance and use

- Partner with local water agencies to track energy intensity of water treatment and conveyance operations and support carbon reduction projects.



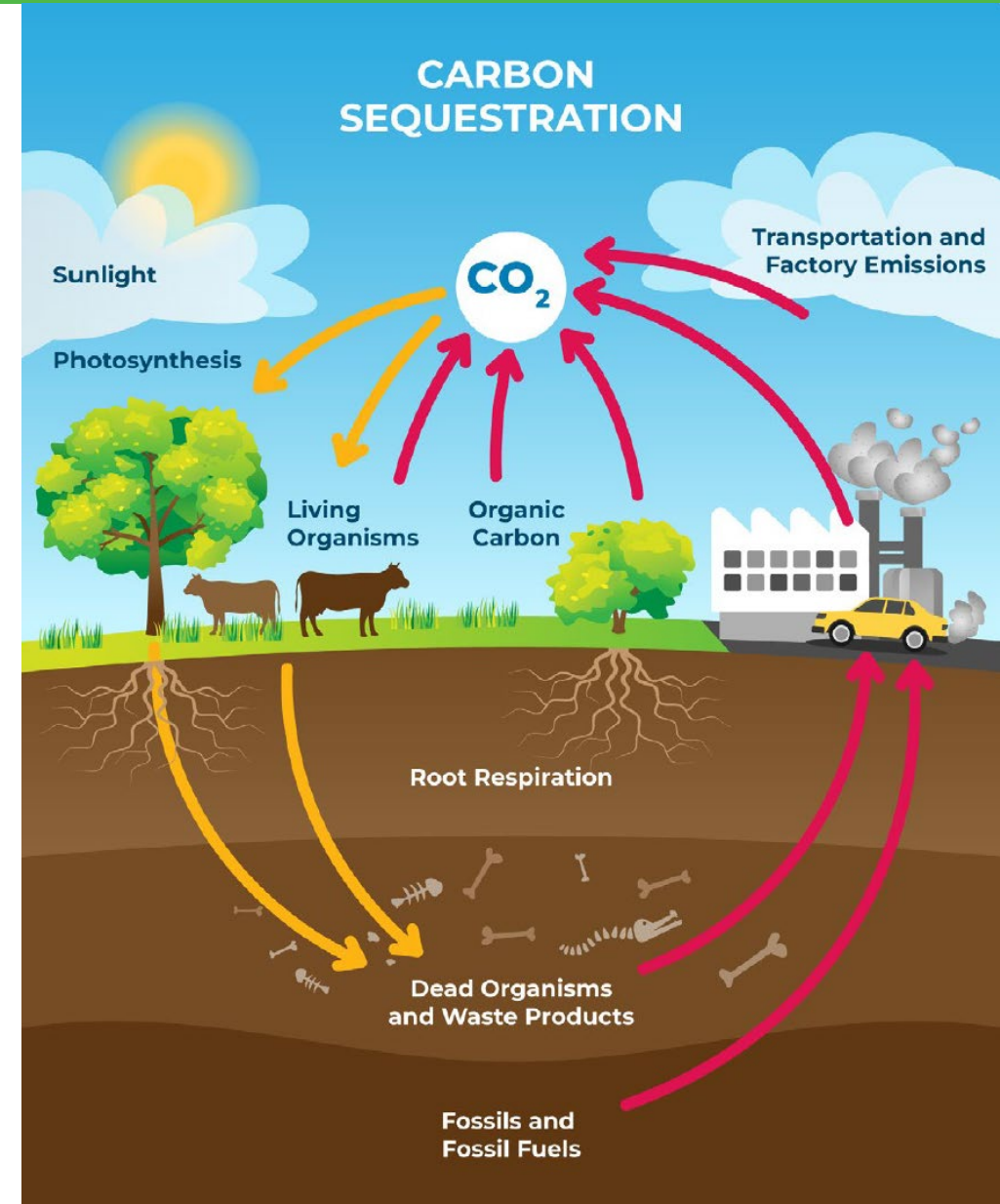
Nature-Based Solutions

Promote and support land management practices that sequester carbon

- Plant 3,000 trees by 2030

Land management practices could include:

- Compost Application
- Perennial Plantings
- Riparian Restoration
- Nutrient Management



Low Carbon Economy

Limit the increase of fossil fuel extraction emissions and develop a sunset strategy

Support local business in becoming more sustainable

- Certify 150 new Green Businesses by 2030

Facilitate mechanisms to value and fund carbon sequestration projects

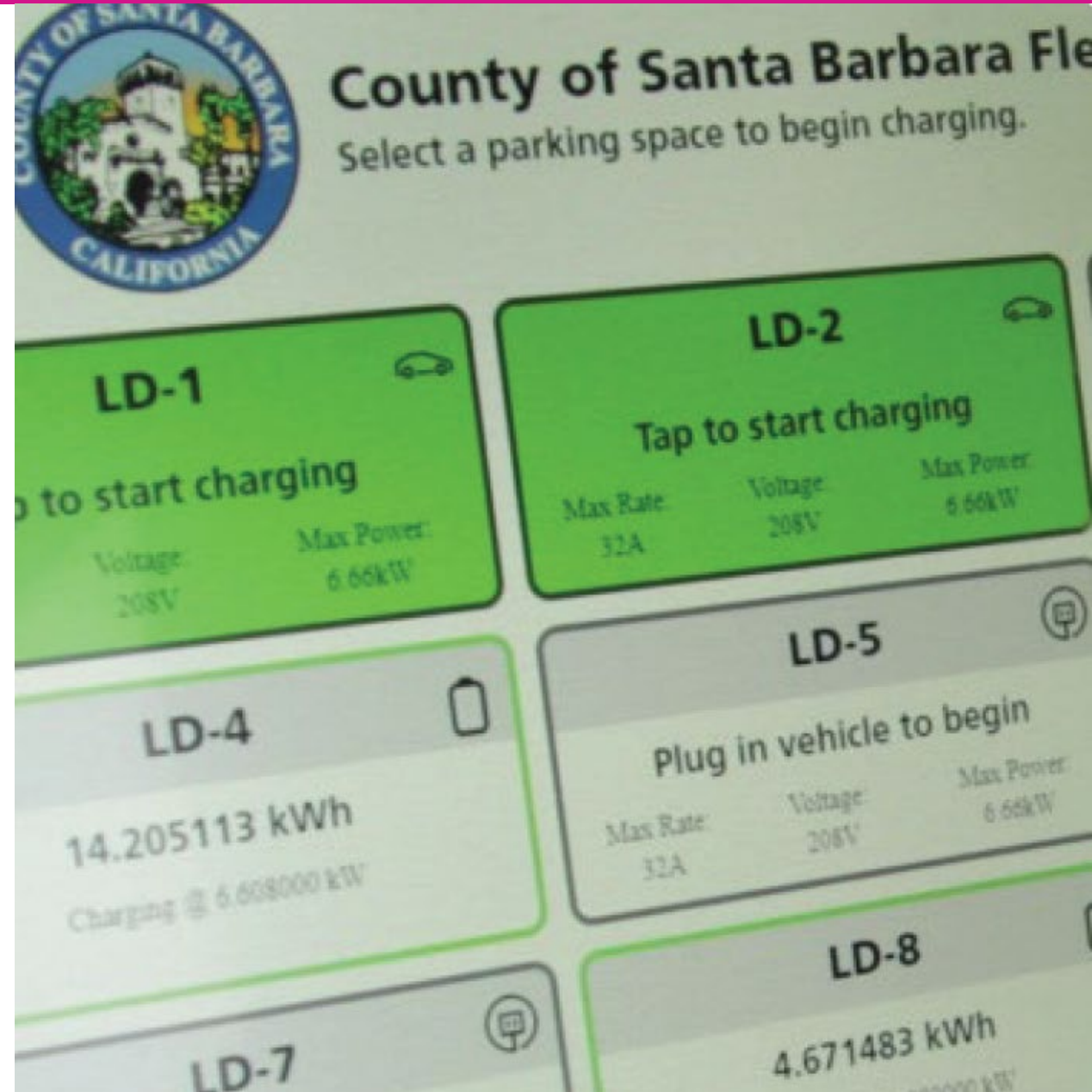


Municipal Operations

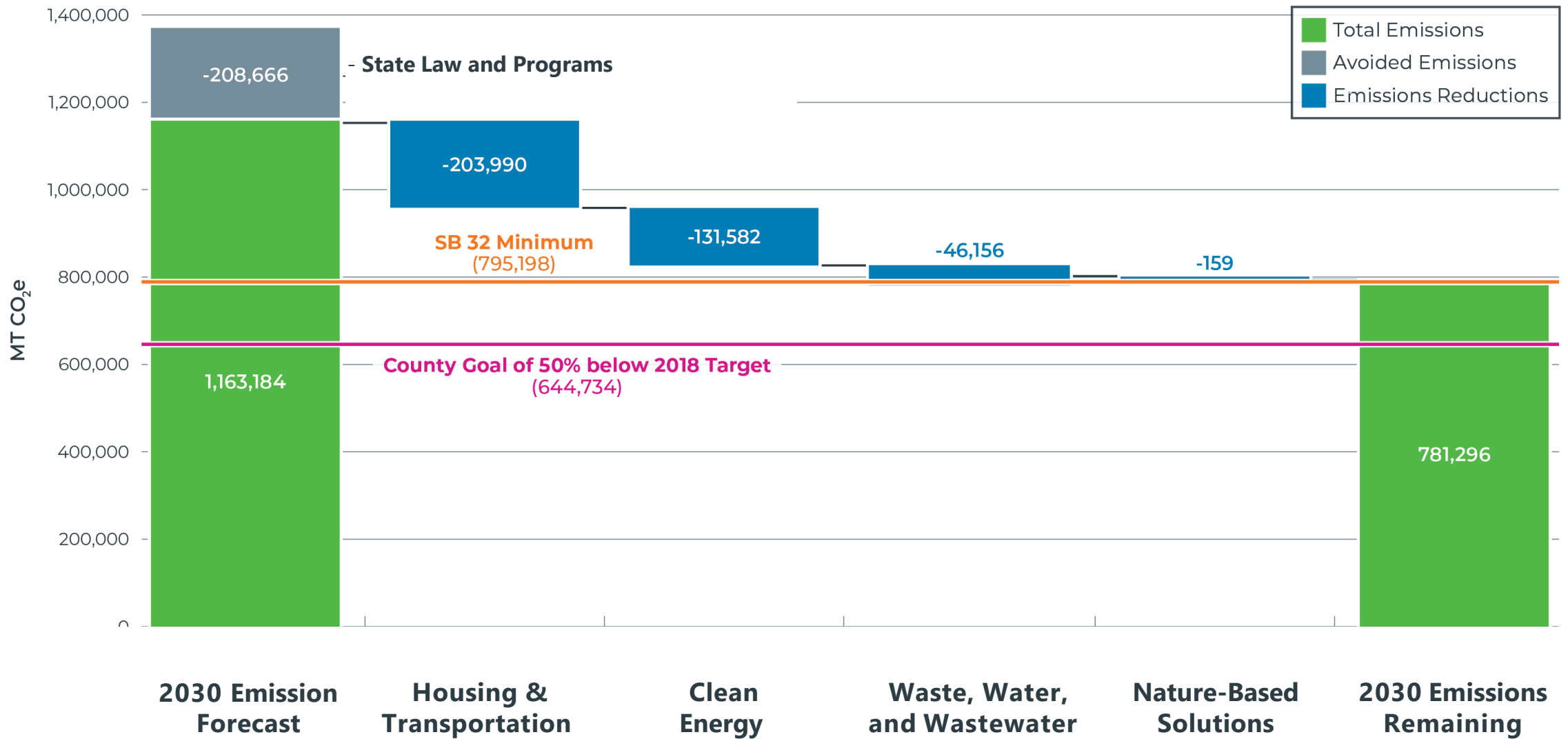
Increase sustainability and resilience of County-operated facilities

Highlighted Actions:

- Building Electrification Policy
- Renewable Natural Gas Procurement
- Carbon Neutrality Feasibility Study



Emission Reductions



Achieving 50% by 2030

Modifications to achieve 50%

- **Shift the implementation of a replace on burnout** (natural gas appliances for electric ones) ordinance **from 2025 to 2023** for both residential and commercial buildings (rather than just residential) to achieve significant up-front emissions reductions (CAP Action CE 1.3)
- **Set more aggressive 2030 targets for electric vehicle (EV) adoption**; from 25% to 30% for passenger vehicles and from 15% to 22% for commercial vehicles

AND

- Set more aggressive 2030 targets to increase active transportation and public transit ridership

AND/OR

- **Procure carbon credits to offset** the remaining balance of emissions

OR

- Update the emissions reduction goal to 40% (below 2018) by 2030

Public Comment

Draft Measures & Actions

- Dec 2021-Feb 2022
- Participants provided support/oppose preferences and specific feedback
- 266 participants provided over 100 comments

Draft Climate Action Plan

- Released March 1, 2023
- 16 participants provided 62 comments
- Public comment period to close July 27

Draft Environmental Impact Report

- Released June 12, 2023
- Public comment period to close July 27

Financial Analysis

Measures Analyzed to Date

- **CE-1.3 Natural Gas Appliance Replacement** - Develop an ordinance to require 'replacement upon burnout' for residential natural gas appliances.
- **CE-1.4 Building Performance Ordinance** - Develop an ordinance that establishes a building performance standard for existing large buildings and facilities that requires the reduction of GHG emissions over time.
- **TR-2.10 Employer Trip Reduction Requirements & Programs** - Develop an ordinance that requires large employers, including the County, to meet vehicle trip and emission reduction goals, or pay non-compliance fees to expand transit and commuter services and resources.
- **TR-3.2 Time of Replacement** - Develop an ordinance to phase out light duty gasoline and diesel-powered off- road equipment, including the County's, at time of replacement where feasible.

Cost Variables

- Community Costs
- County Costs

Case Studies

- Policies and programs

Funding and Financing Strategies

- Incentive Programs
- Grants
- Public-Private Partnerships

Potential Additional Financial Analysis

A. Complete County Government Cost Analysis

Timeframe to complete the analysis: 6 – 8 months

Cost range: \$45,000 - \$60,000

- Confirmation of key indicators such as total capital investments, annual operating expenses, staffing costs, and potential shared costs with other jurisdictions or private entities
- Provide an order of magnitude estimate of both one-time and ongoing costs to the County

B. Complete Community Cost Analysis

Timeframe to complete the analysis: 2 – 3 months

Cost range: \$25,000 - \$35,000

- High-level evaluation of probable costs considerations attributable to the community.
- Provide cost ranges based on information derived from past projects, case studies, and available research

C. Green Economy and Employment Analysis

Timeframe to complete the analysis: 2 – 4 months

Cost range: \$35,000 - \$55,000

- Identify sectors and industries that are part of the County's green economy now and in the future.
- Estimate the number of "green" jobs expected to be generated per million dollars spent based on measures to be selected

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Next Steps

- Public comment ends July 27
- Prepare final CAP & EIR drafts Q2 2023
- Prepare recommendations for Climate Initiatives Fund Q3 2023
- Update Energy Element and GHG Thresholds Q3 2023
- Planning Commission Q3-Q4 2023
- Board adoption Q4 2023

Thank you

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