

Clean Energy Roadmap: Implementation Plan

Sustainability Commission

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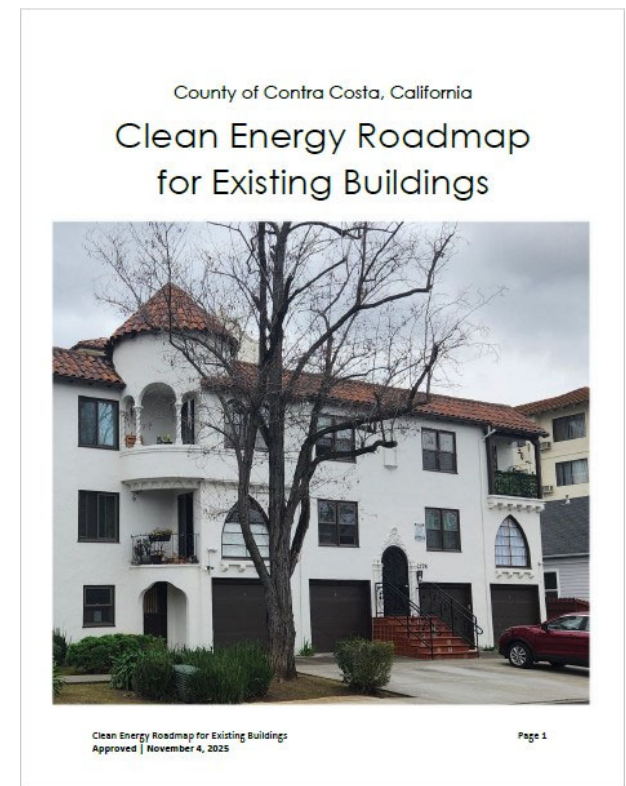
Background

2024 Climate Action and Adaptation Plan (CAAP)

- Calls for staff to develop a detailed roadmap to convert existing homes and businesses to use low-carbon or carbon-free appliances.

Clean Energy Roadmap for Existing Buildings (The Roadmap)

- Approved by the Board of Supervisors on November 4, 2025
- Directs staff to:
 - Develop an **Implementation Plan**



Why Focus on Existing Buildings?

- The building stock in Contra Costa represents 28% of the County's greenhouse gas emissions.
- Property owners typically opt to only meet minimum building code requirements.
- Challenges for transitioning existing buildings to all-electric:
 - Electrical capacity issues
 - Space and design limitations
 - Higher costs

Implementation Plan Framework

Action Item
Metrics

Sources of
Funding

Alignment w/
Regional and
State Initiatives

Defined Lead and
Partner Roles

Input from Sust.
Commission and
Sust. Committee

www.contracosta.ca.gov/10403/Clean-Energy-Roadmap

CLEAN ENERGY ROADMAP

Clean Energy Roadmap Overview

The Clean Energy Roadmap for Existing Buildings (Roadmap) is an action item in Strategy BE-2 of the [County's Climate Action and Adaptation Plan 2024 Update \(CAAP\) \(PDF\)](#) to convert existing homes and businesses to use low-carbon or carbon-free appliances. The [Clean Energy Roadmap for Existing Buildings \(PDF\)](#) was approved by the County Board of Supervisors on November 4, 2025.

The Roadmap provides an initial assessment of the existing landscape in California for transitioning [buildings to all-electric](#) and highlights existing all-electric policies and plans at the local, regional, and State levels. The Roadmap also highlights the many benefits that come with all-electric homes such as enhanced health and safety in homes as well as improved community resilience to the impacts of climate change. A strategic community engagement strategy is also outlined that centers on equity to inform our impacted communities in the County on the benefits of buildings operating on clean energy. The Roadmap also includes initial research results as well as some recommendations and next steps.



BENEFITS OF CLEAN ENERGY IN BUILDINGS

MILESTONES AND INPUT OPPORTUNITIES

CONTACT US

Benefits of Clean Energy in Buildings

Clean energy in buildings offers many benefits, some of which include:

For Residents

- Lower energy costs
- Improved comfort and health
- Improved resilience to the impacts of climate change
- Increases property values

Overview of Roadmap Actions

Outreach and Engagement

- Equity Focused Community Engagement Strategy
- Work with economic development to develop workforce

Analysis

- Building Inventory
- Cost Analysis

Collaboration with Regional and State Agencies

- Develop a policy framework to enable more engagement with State regulatory agencies
- Work with utilities and CCAs on decommissioning gas infrastructure
- Track opportunities to help fund all-electric retrofits for property owners and tenants

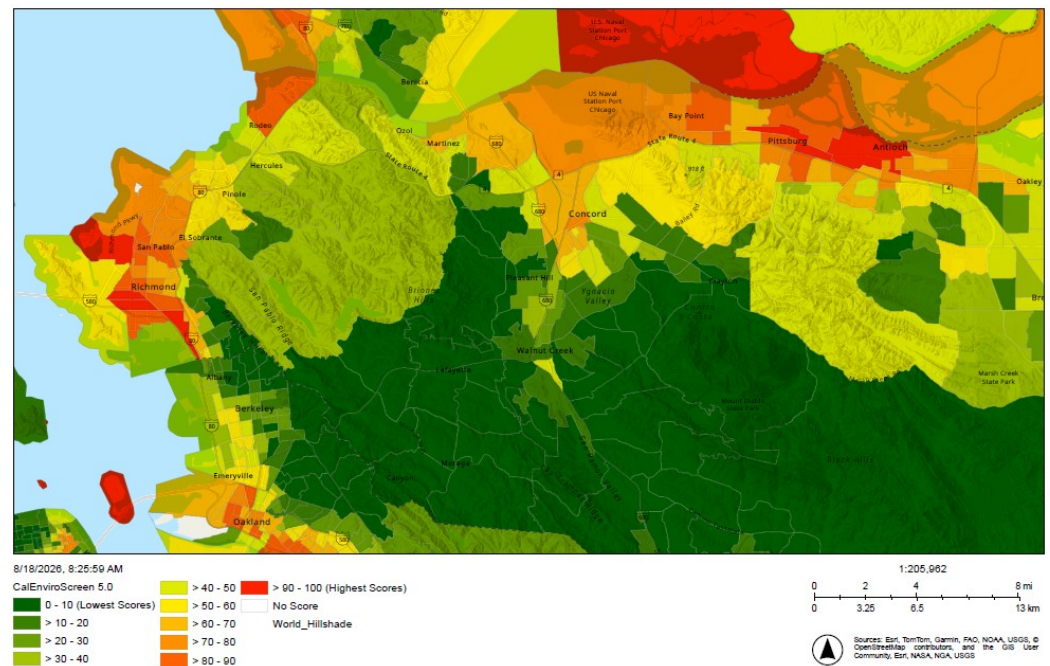
Additional Items

- Explore existing policy options for transitioning existing buildings to all-electric
- Work to address constraints around the tenant/landlord dynamic
- Seek solutions that make solar and battery storage more accessible
- Empower staff to seek and obtain funding to implement the roadmap
- Identify pilot project opportunities

Outreach and Engagement

Goal

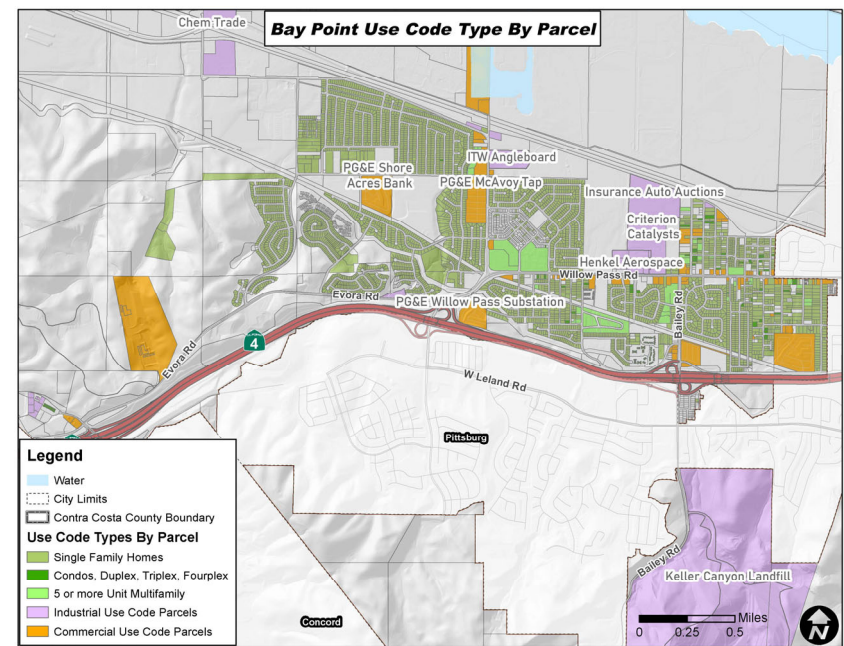
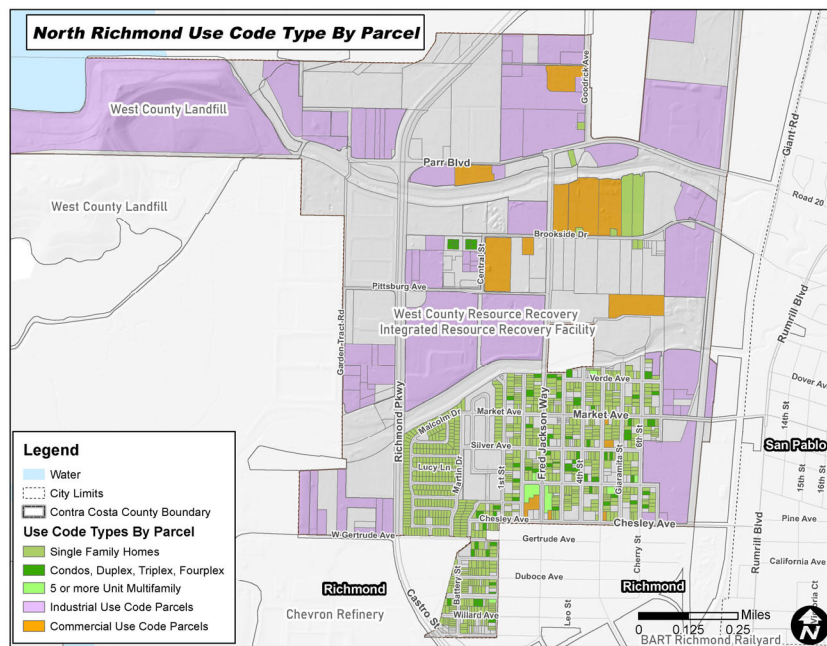
To ensure that equity is at the forefront of any strategy developed for transitioning existing buildings to be all-electric



Analysis

Goal

To provide a comprehensive building stock and analysis of the costs associated with transitioning to all-electric



Regional/State Agency Collaboration

Goals

- (1) Develop a framework that allows staff to engage regulatory agencies more efficiently
- (2) Work with utilities and regulatory agencies to explore opportunities for gas infrastructure removal
- (3) Track opportunities to assist property owners/renters for costs associated with all-electric retrofits.



CALIFORNIA

Public Utilities Commission



California
ENERGY COMMISSION



CALIFORNIA
AIR RESOURCES BOARD

Additional Actions

Goals

- (1) To explore policy options that encourage or require deeper all-electric retrofits. (i.e, time of sale or renovation)
- (2) To identify solutions to the barriers preventing clean energy projects. (i.e., the renter/landlord dilemma and high costs for solar and battery storage)
- (3) To explore and apply for additional sources of funding



Implementation Plan Adoption/Approval Timeline



QUESTIONS?



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