RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers

Monterey Park Sustainability Plan

Joint Environmental & Planning Commission Informational Session

27 September 2023

Introduction and Welcome

- City of Monterey Park team:
  - Jessica Serrano, Director of Community Development
  - Beth Chow, Interim Planning Manager
  - Olivia Williams, Civic Spark Fellow
- Rincon Consultants team:
  - Ryan Gardner, Climate Action Program Manager
  - Nico Kent, Technical Lead

Agenda

- Purpose of Meeting
- Sustainability Plan
- Timeline
- Community Outreach and Engagement
- Technical Background
- Implementation and Monitoring
- Discussion/Q&A

Sustainability Plan

- Purpose
  - Council Priority
  - Reduce greenhouse gas (GHG) emissions
  - Adapt to climate change
  - Improve quality of life
  - Work towards meeting State Climate Mitigation Goals
- Aligned with Related City Efforts
  - Housing, Environmental Justice, and Safety Element Updates to the General Plan
  - 2012 Climate Action Plan
  - Public Works efforts such as renewable energy, organics recycling, water conservation, etc.

Timeline

September - October	November - February	March	April - August	September - November	December
Create *Green Team* *D*evelop Community Outreach Campaign	Launch Community Outreach Campaign	Present Community Outreach results to City Council	GHG Inventory Development of Policies/Plan	Department Revisions & Approval Joint Commission Meeting Public Review Period	Council to Consider Plan Adoption Implementation

We Are Here

Community Outreach and Engagement

- Community input survey
  - *Over 600 responses!*
- 5 Community Workshops
- 5 Outreach Events
- Met with staff from ALL City departments

What we heard:

- Affordable Rooftop Solar
- Community Engagement & Action
- Public Transit Convenience

Greenhouse Gas (GHG) Emissions Inventory

Purpose

- Informs strategy development
- Demonstrate accountability and leadership
- Track GHG emissions performance over time

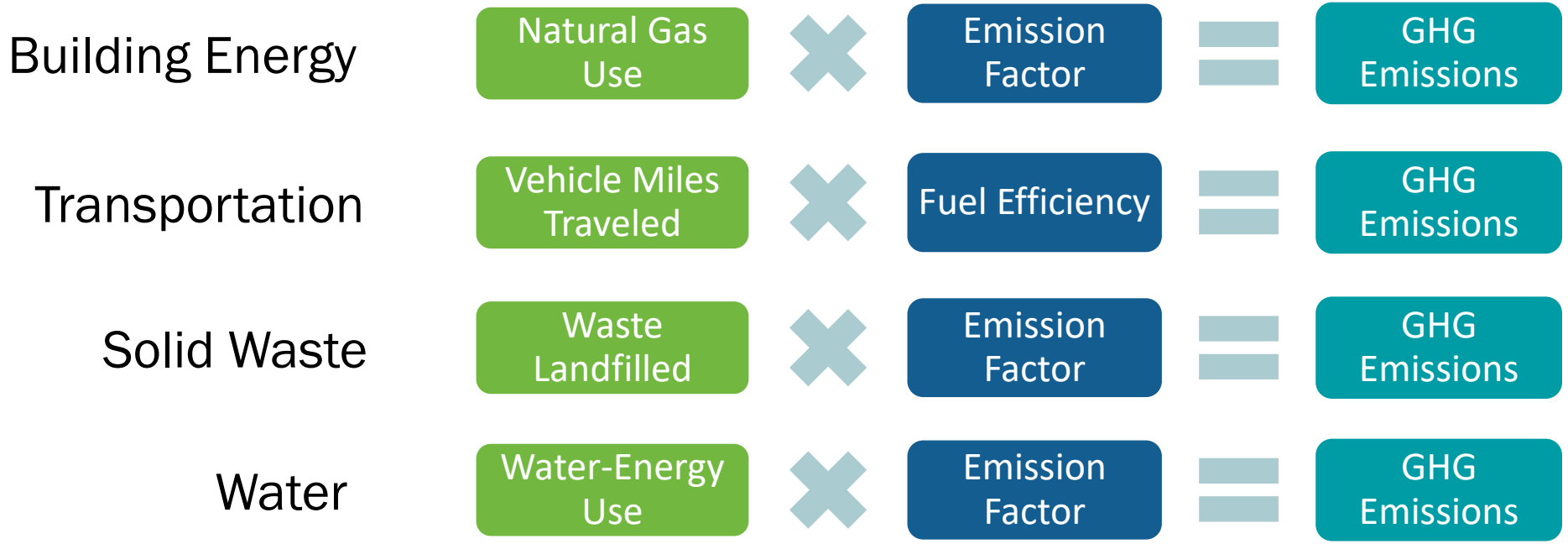
Calculation Methodology

- ICLEI's GHG Emissions Protocols
- Summarizes emissions into sectors (e.g., transportation, building energy)

Data collection

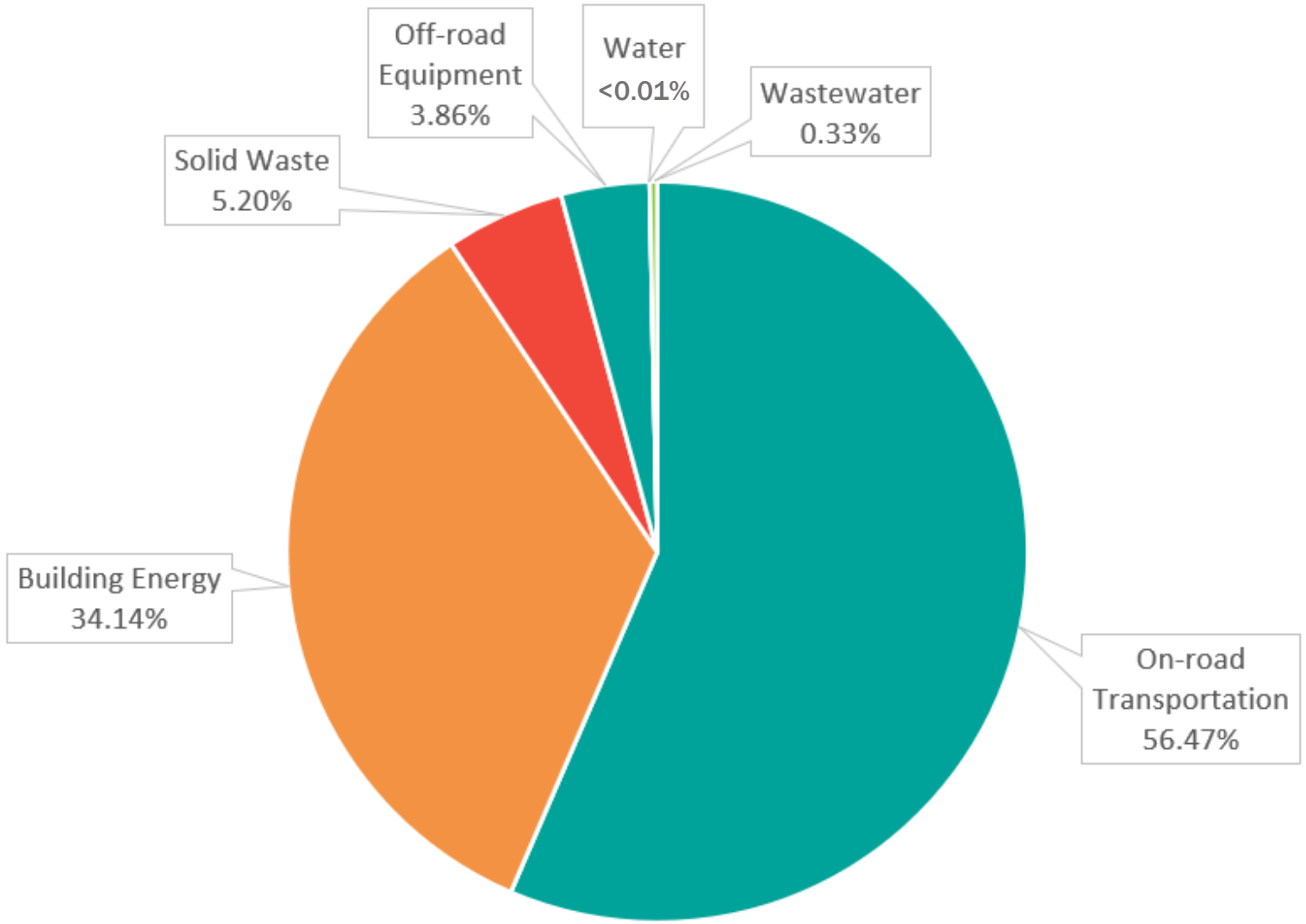
GHG Emissions Inventory Structure

$$Activity\ Data \times GHG\ Emission\ Factor = GHG\ Emissions$$



Community Greenhouse Gas Inventory (2021)

Sector	MT CO_2e
On-road Transportation	193,077
Building Energy	116,714
Solid Waste	17,770
Off-road Equipment	13,205
Water	8
Wastewater	1,113
Total	**341,887**

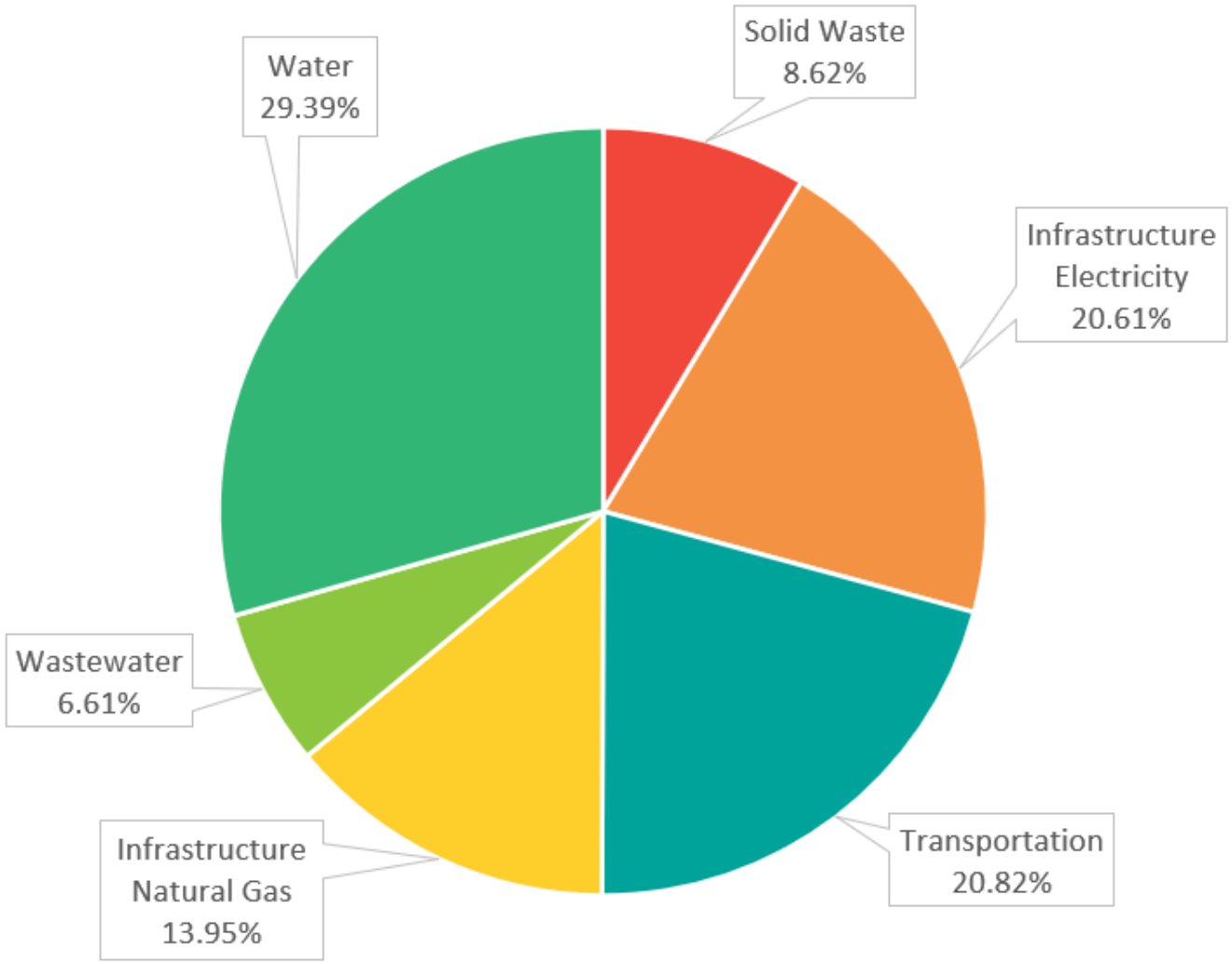


MT CO_2e = Metric Ton of Carbon Dioxide Equivalents

1 MT CO_2e = 2,564 miles driven in an average vehicle, or the distance to drive from Monterey Park to Pittsburgh, Pennsylvania!

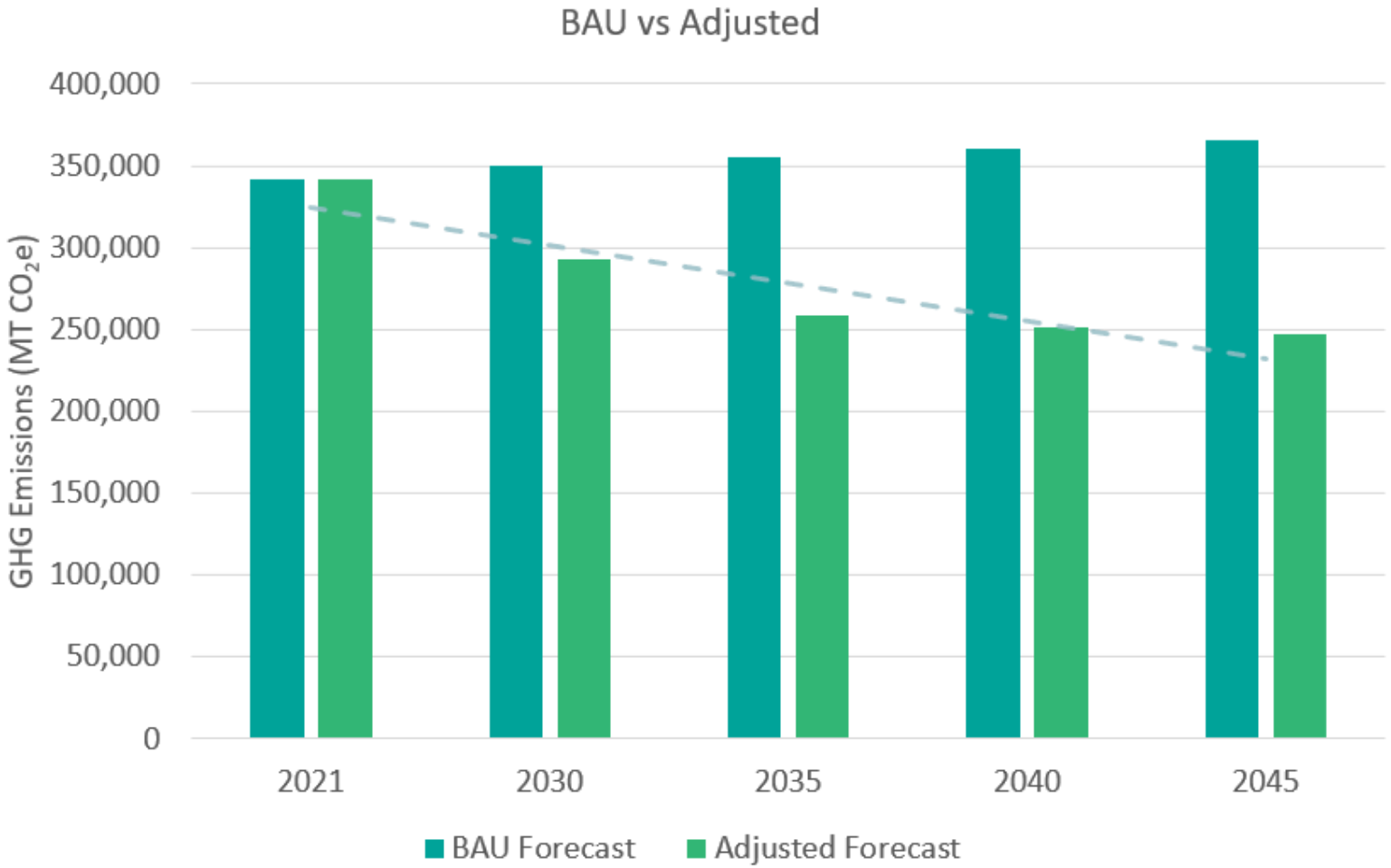
Municipal (City Operations) Greenhouse Gas Inventory (2021)

Sector	MT CO_2e
Solid Waste	504
Infrastructure Electricity	1,204
Transportation	1,216
Infrastructure Natural Gas	815
Wastewater	386
Water	1,717
Total	**5,841**



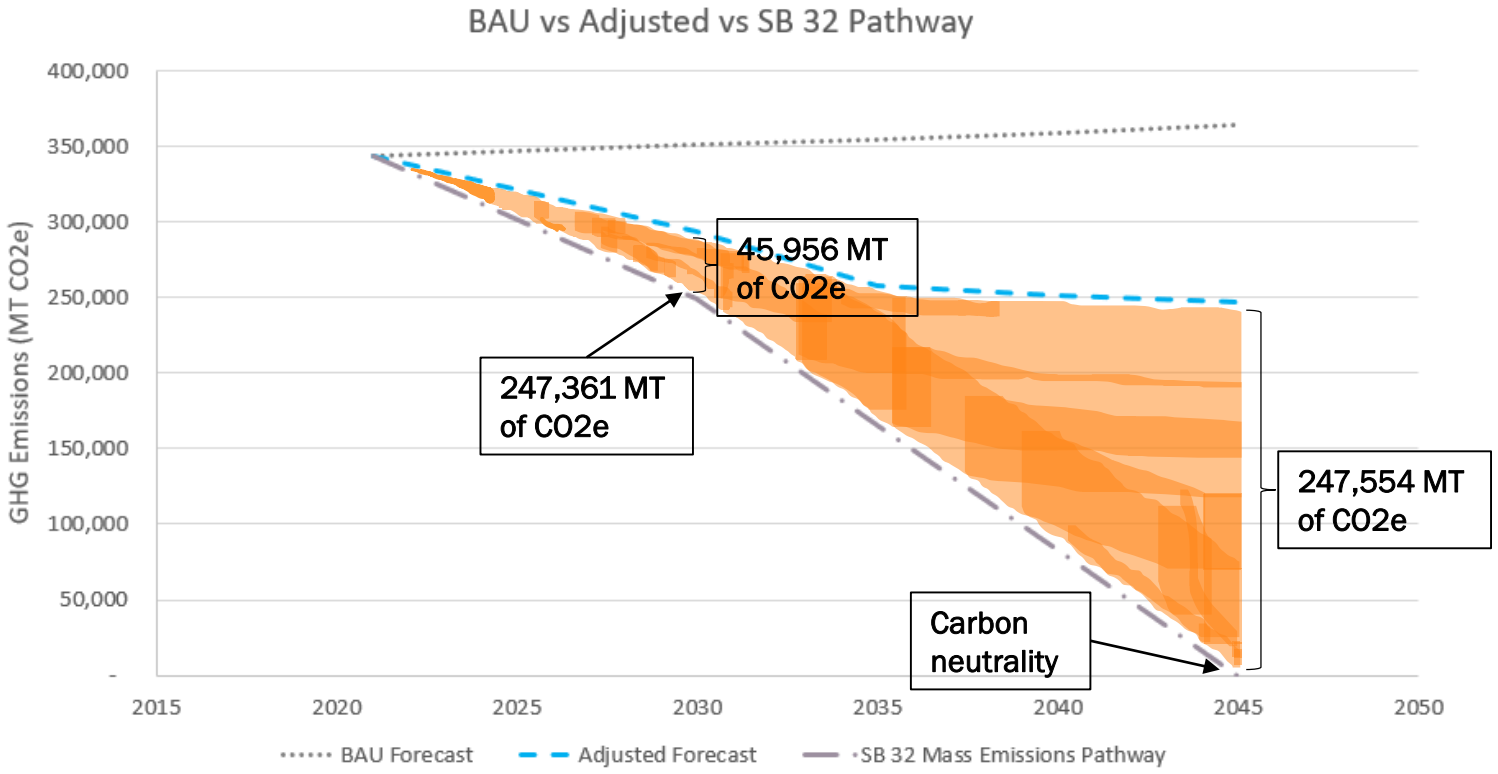
Greenhouse Gas Emissions Forecast

- Purpose
  - Inform target setting and establish “emissions gap”
- Business as Usual (BAU) Forecast
  - Considers inventory year demographic growth indicators by sector
- Adjusted Forecast
  - Considers emission reductions from climate legislation and other state mandates



Greenhouse Gas Emissions Targets

- Back-cast calculation using California Air Resources Board (CARB) historical emissions inventory data
  - Estimated 1990 level emissions for Monterey Park: 412,268 MT CO_2e
- Monterey Park total emissions targets (SB 32 emissions pathway):
  - 247,361 MT CO_2e by 2030
  - Carbon neutrality by 2045
- Emissions gap:
  - 45,596 MT CO_2e by 2030
  - 247,554 MT CO_2e by 2045
- Proposed mitigation measures

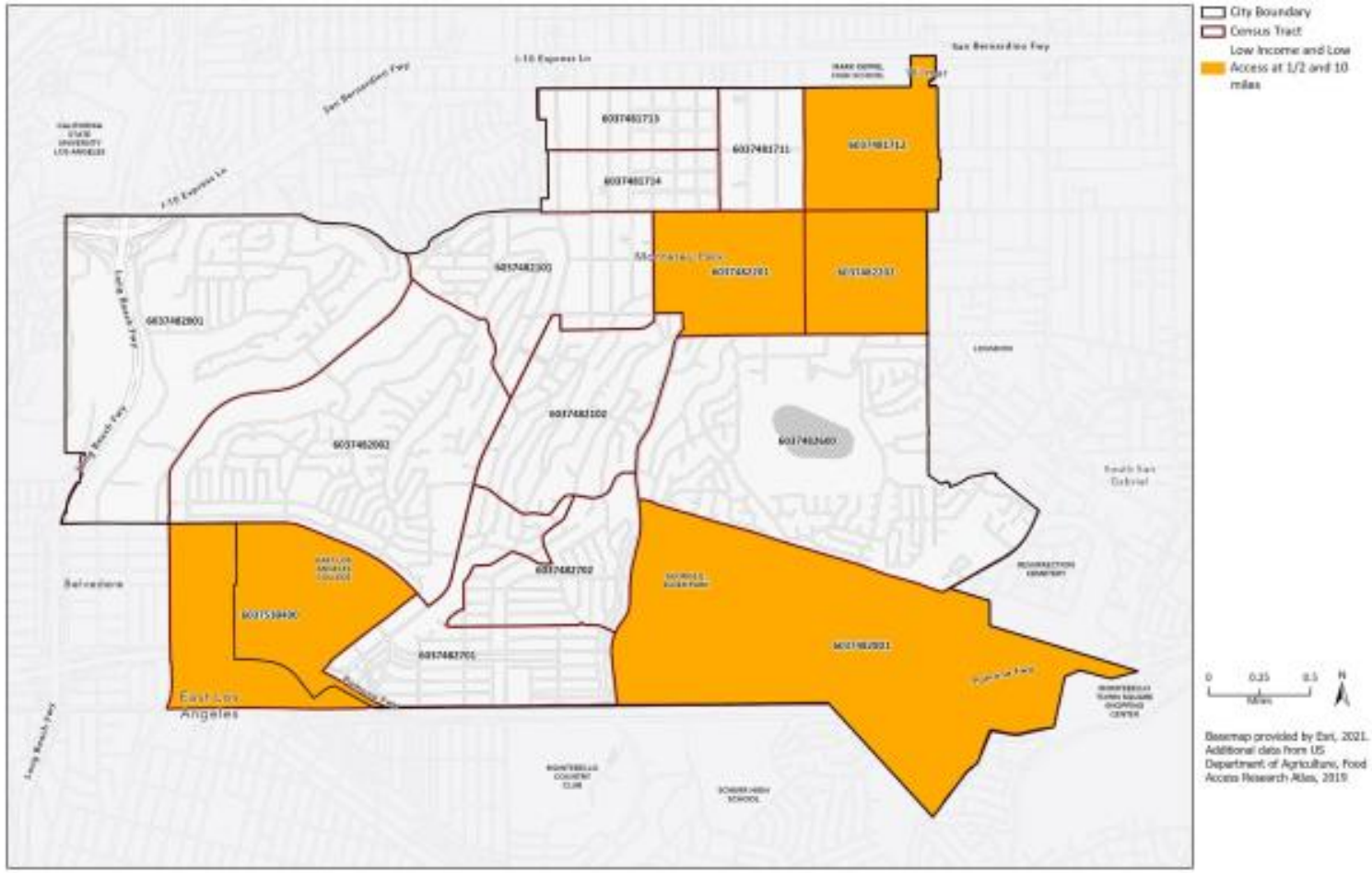


Climate Change Vulnerability Assessment

- Prepared as part of General Plan Safety Element update and served as the foundation for the resilience measures and actions.
- Key findings:
  - Climate projections
    - More frequent and extreme heat events and warm nights
    - Worsening air quality
    - Increased storm frequency and intensity
    - Increased drought
  - Climate impacts
    - Worsening health conditions for sensitive populations
    - Localized flooding of roads
    - Increased power outages
    - Tree and vegetation impacts

Environmental Justice Technical Report

Figure 20 USDA Low-Income and Low-Access at Distance of More than ½ Mile from Grocery Store



Environmental Justice Technical Report

- Prepared as part of the General Plan Environmental Justice element and served as the foundation for the equity measures
- Key findings:
  - 60% of renters in the northeastern area of the City are rent burdened
  - One census tract considered disadvantaged (East Los Angeles College)
  - Significant pollution burden from truck and vehicle traffic
  - 76% of residents live in areas underserved for park access
  - Only 24% of adults meet recommended guidelines for physical activity
  - Neighborhoods that are both low-income and lack access to healthy foods

Strategies, Measures, and Actions

Pathway

Categorizes strategies, measures, and actions to ensure a holistic approach to climate change mitigation and adaptation

Strategies

Aspirational statements regarding future achievement strategies for key sectors

Measures

Policies developed to achieve specific GHG reductions or sustainable improvements

Actions

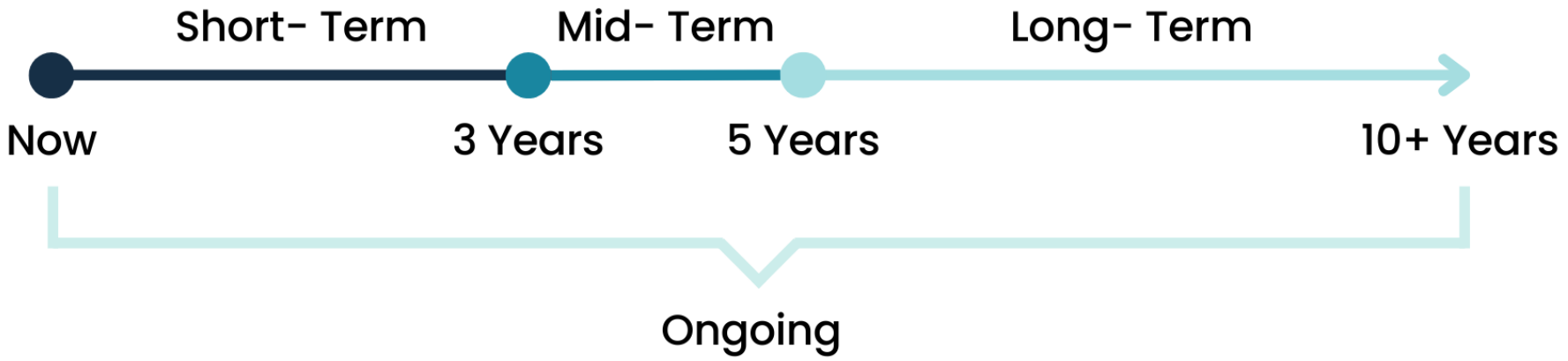
Specific programs or steps that support measures

Implementation Pillars

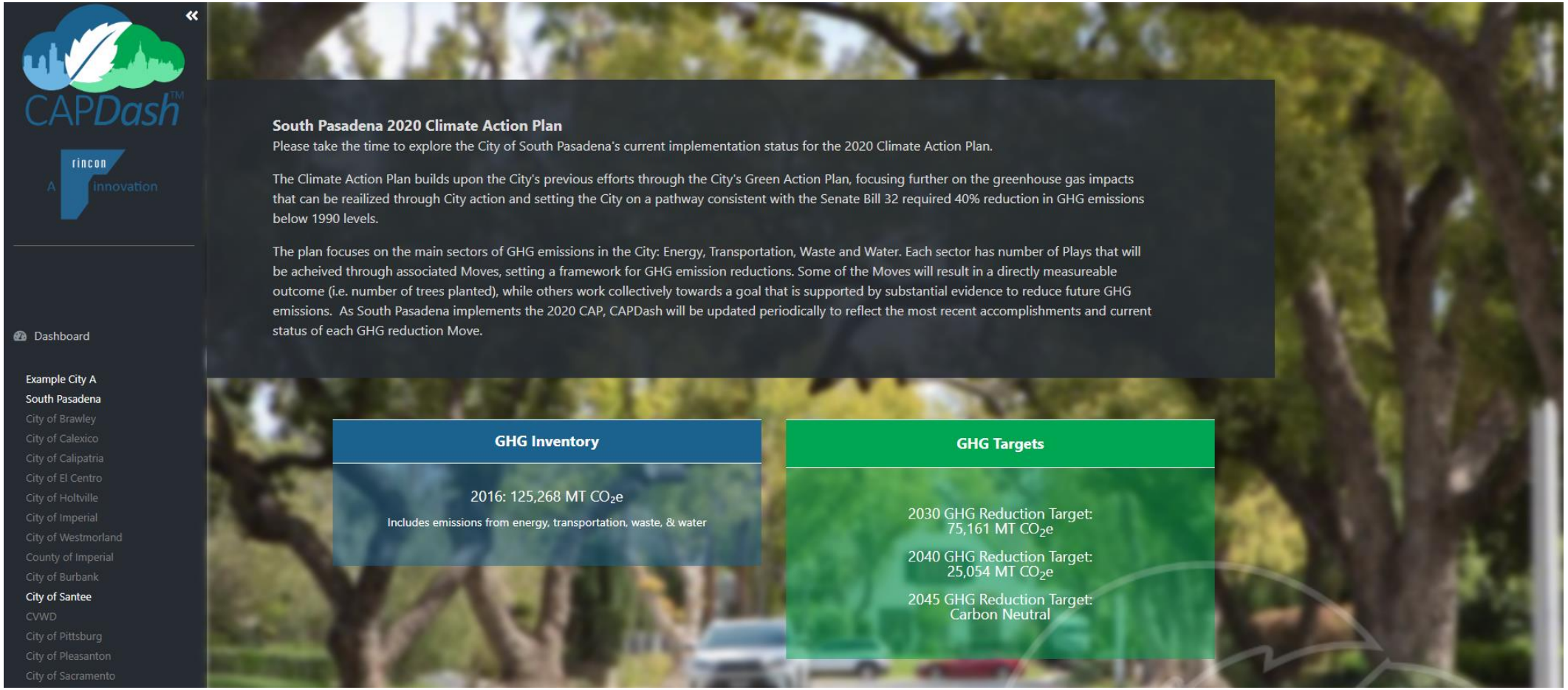
- Equity
- Structural Change
- Feasibility
- Partnership
- Funding
- Education

Implementation

- Sustainability Plan measure and action phasing
  - Phase 1 → short-term measures
  - Phase 2 → mid-term measures
  - Phase 3 → long-term measures



Monitoring



https://cap.rinconconsultants.com/SouthPasadena

Next Steps

- Where do we go from here?
  - Draft release
  - Plan adoption
  - Implementation
  - Monitoring
- *Successful implementation will take a team!*

Questions?

Thank you!