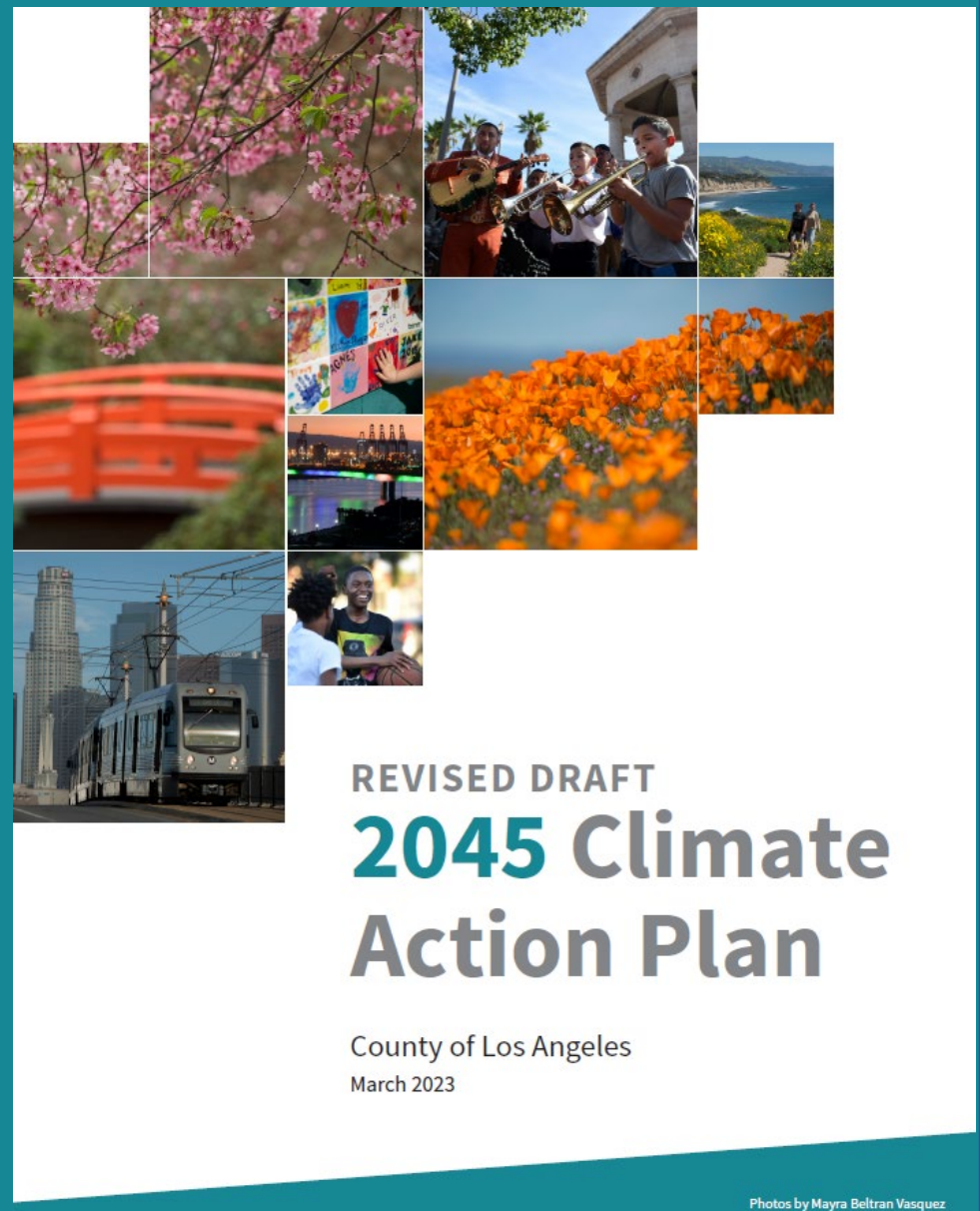
LA COUNTY PLANNING

# Los Angeles County 2045 CAP

Agua Dulce Town Council
September 13, 2023



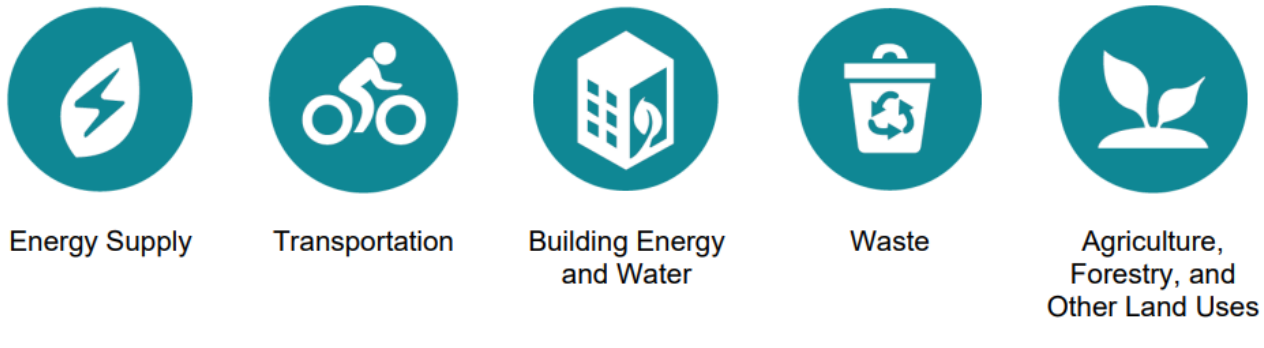
# 2045 CLIMATE ACTION PLAN

**County's roadmap for GHG reductions**

- Target reduction dates: 2030, 2035, 2045
- Framework of strategies, measures, actions

➡ Implements Air Quality Element from General Plan

➡ Meets State emissions goals



# COUNTY, STATE & FEDERAL EFFORTS

## County Board of Supervisors

- Support The Paris Climate Agreement
- Energy Resiliency Policy and Impact on Disadvantaged Communities
- Support the Medium- and Heavy-Duty Electric Vehicle Infrastructure Act
- Addressing the Need to Create Climate Resilient Communities
- Ensuring the Equitable Decarbonization of Buildings

## Federal Government

- Justice40 Initiative

## California State Government

- AB 1279
- SB 32

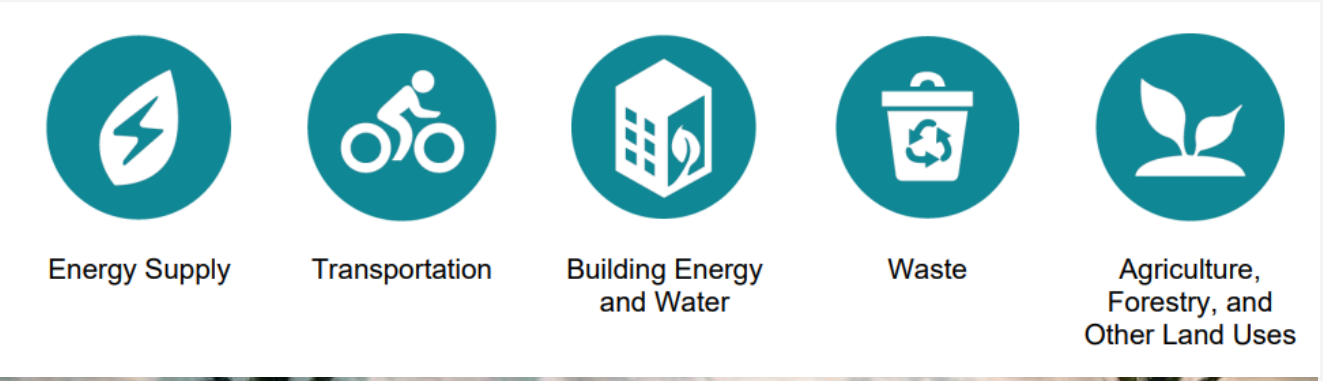
## California Air Resources Board (CARB)

- 2022 Scoping Plan

**TARGET: GHG emissions**
**85% reduction from 1990 levels by 2045**

# SLOWING DOWN THE EFFECTS OF CLIMATE CHANGE

# BENEFITS FOR RESIDENTS



## Household-scale

- Improved air quality
- Diverse public transit options
- More comfortable & accessible built environment

## Regional-scale

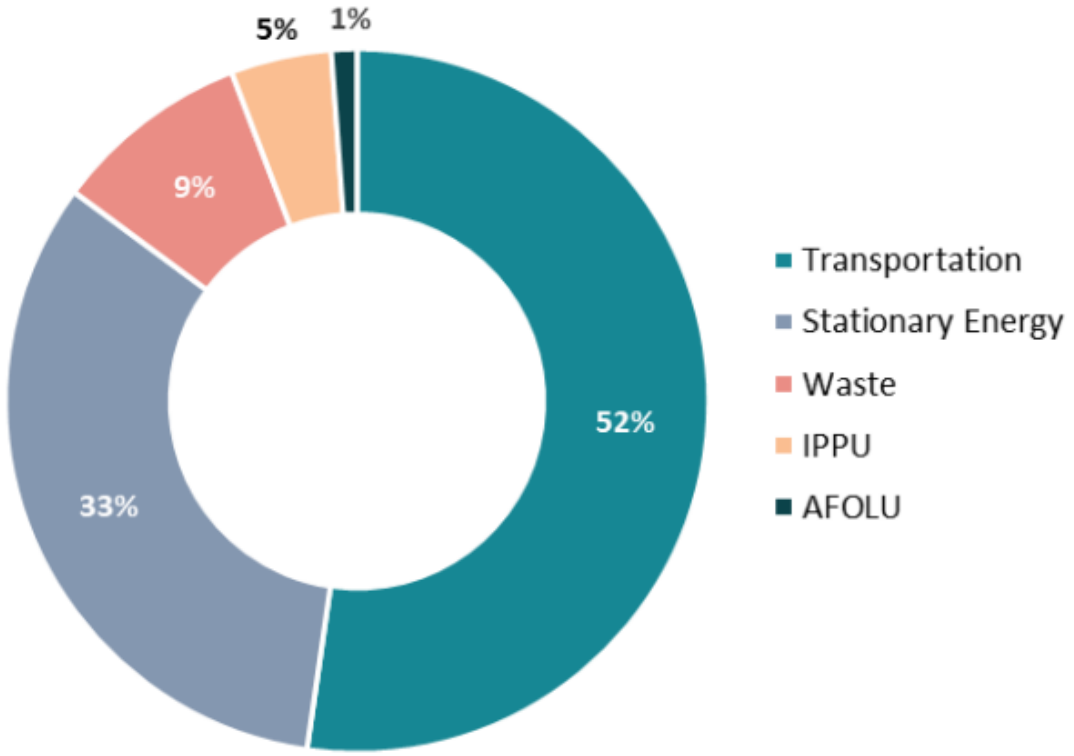
- Preparing communities to be resilient to changing climate
- Reduced weather event instability
- Help address global impacts that affect daily life like food costs

# EMISSIONS DATA & TARGETS

# SETTING REDUCTION TARGETS

| YEAR | CALIFORNIA STATEWIDE | 2045 CAP |
|---|---|---|
| **2030** | **40%** below 1990 levels *(SB 32)* | **40%** below 2015 levels<br>*(equivalent to 48% below 1990 levels)* |
| **2035** | **None** | **50%** below 2015 levels |
| **2045** | **85%** below 1990 levels *(AB 1279)*<br><br>**Carbon Neutrality** *(AB 1279)* | **83%** below 2015 levels<br>*(equivalent to 85% below 1990 levels)*<br><br>**Carbon Neutrality** *(Aspirational Goal)* |

# COUNTY EMISSIONS DATA - BY SECTOR




*Abbreviations: AFOLU = agriculture, forestry, and other land use; IPPU = industrial processes and product use*

**Figure ES-1: 2018 Greenhouse Gas Emissions Inventory by Sector**

**85%**

**GHG emissions from**

**TRANSPORTATION**

**+**

**BUILDINGS**

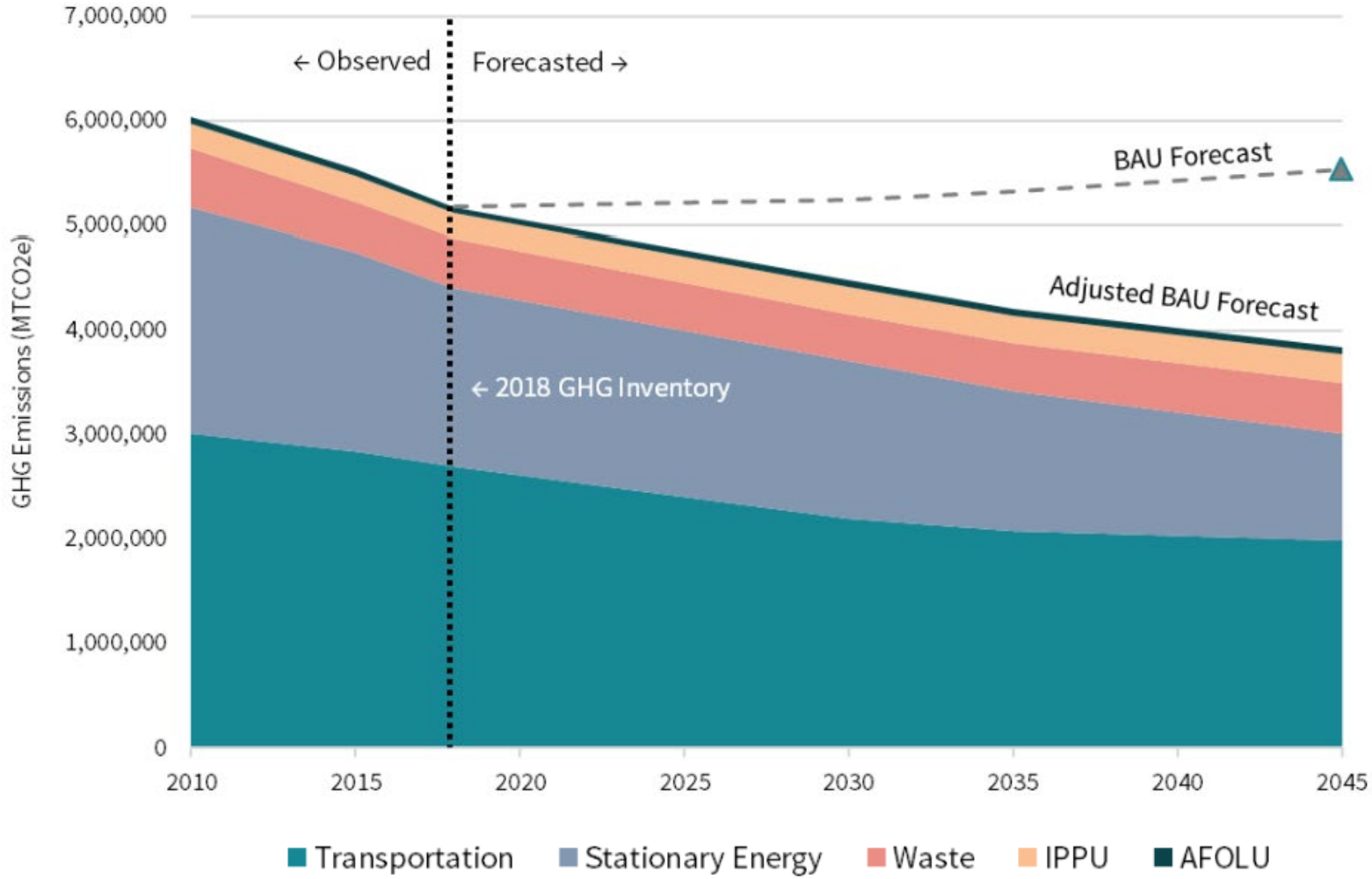
# FORECASTING GHG EMISSIONS

## Business As Usual (BAU)

- Assumes no further govt action is taken to reduce GHG emissions.

## Adjusted BAU

- Adjusts for federal, state, and County regulations that were implemented before development of the 2045 CAP.



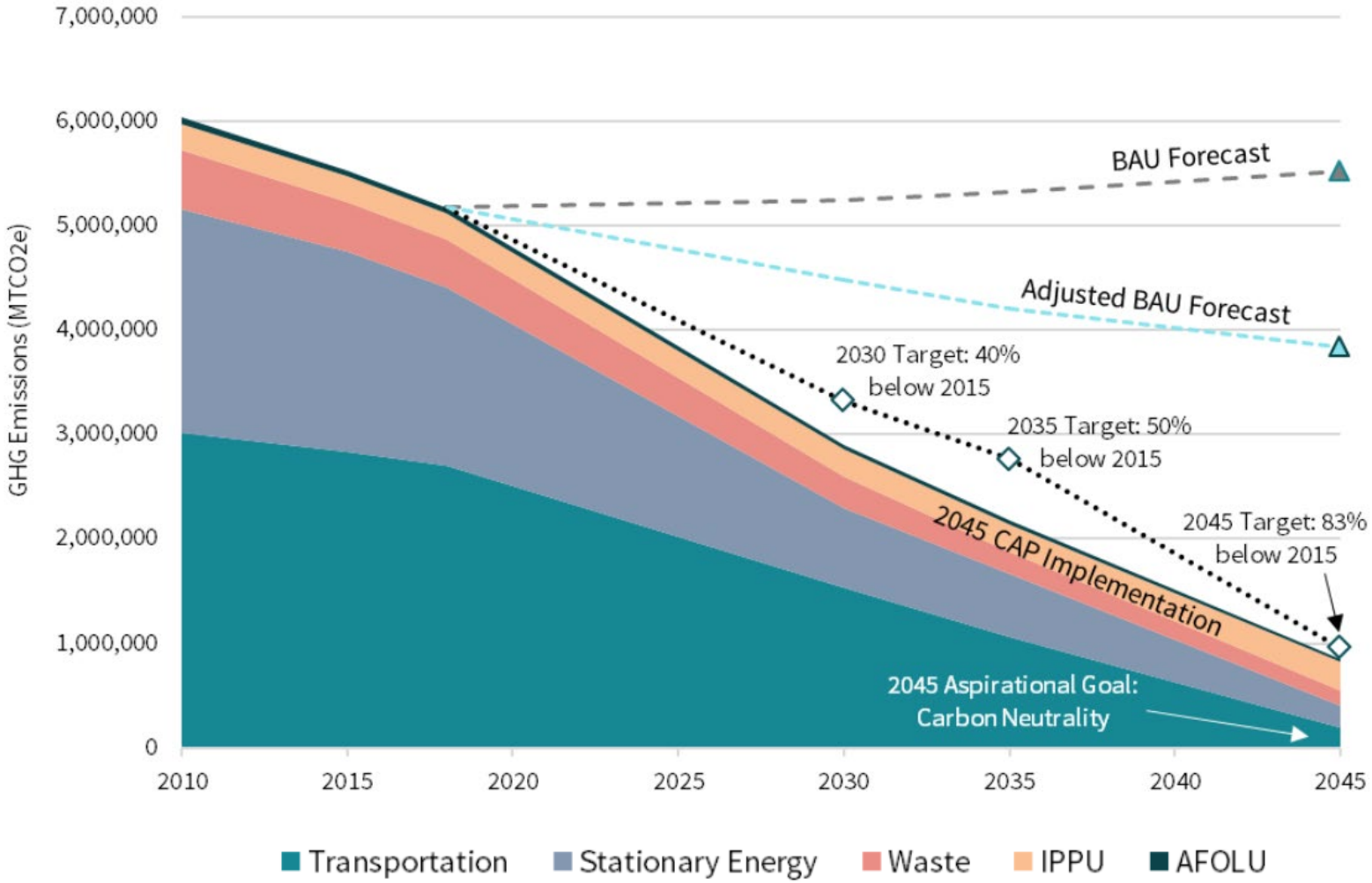
# EMISSIONS REDUCTIONS

## Reductions Targets

- Alignment with State reduction amounts and dates

## CAP Implementation

- Modeled emissions levels meet targets



# ROADMAP TO ACHIEVING REDUCTION TARGETS

# IMPLEMENTATION ROADMAP

## GHG Emissions Data and Reduction Targets

### Strategies: 10

*Broad overarching goals within each emissions sector (topic area)*

### Measures: 25

*Programs designed to be quantified for GHG emission. Supports strategies and achieved through implementing actions*

### Actions: 95

*Policies, programs, or tools that collectively make meaningful progress toward the associated measure and strategy*

## Equitable Implementation

# ROADMAP TARGETS

| STRATEGY |
|---|
| **Energy Supply** |
| Strategy 1: Decarbonize the Energy Supply |
| **Transportation** |
| Strategy 2: Increase Densities and Diversity of Land Uses Near Transit |
| Strategy 3: Reduce Single-Occupancy Vehicle Trips |
| Strategy 4: Institutionalize Low-Carbon Transportation |
| **Building Energy and Water** |
| Strategy 5: Decarbonize Buildings |
| Strategy 6: Improve Efficiency of Existing Building Energy Use |
| Strategy 7: Conserve Water |
| **Waste** |
| Strategy 8: Minimize Waste and Recover Energy and Materials from the Waste Stream |
| **Agriculture, Forestry, and Other Land Use** |
| Strategy 9: Conserve and Connect Wildlands and Working Lands |
| Strategy 10: Sequester Carbon and Implement Sustainable Agriculture |

## Strategy 2 - Increase Densities and Diversity of Land Uses Near Transit

- **Measure T1: Increase Density Near High-Quality Transit Areas**
  - **Action T1.1**—Incentivize residential and community-serving uses to be developed in high quality transit areas (HQTAs), while ensuring inclusion of vital public amenities, such as parks and active transportation infrastructure.
  - **Action T1.2**—Develop land use tools that will increase the production of a diversity of housing types, such as missing middle housing.
- **Measure T2: Develop Land Use Plans Addressing Jobs-Housing Balance and Increase Mixed Use**
  - **Action T2.1**—Develop community plans that will increase the percentage of residents who could live and work within the same community, and that could decrease VMT.

# IMPLEMENTATION DETAILS

| ID | STRATEGY/MEASURE/ACTION | LEAD | PARTNERS | PERFORMANCE OBJECTIVES | TRACKING METRICS | TIME FRAME | COST | FUNDING |
|---|---|---|---|---|---|---|---|---|
| **Strategy 3: Reduce Single-Occupancy Vehicle Trips** | | | | | | | | |
| **T3**[Q] | **Expand Bicycle and Pedestrian Network to Serve Residential, Employment, and Recreational Trips:** Travel options that serve a variety of land uses and trip purposes can help shift some trips away from single-occupancy vehicles. | | | • Increase bikeway miles 300% by 2035.<br>• Implement the County's Bicycle Master Plan.<br>• Complete updates to the County's Pedestrian Action Plan, Bicycle Master Plan, and Active Transportation Plans every five years. | | | | |
| T3.1 | Create a more connected and safer bikeway network by expanding bikeway facilities and implementing protected and separated lanes. | PW | DRP, Metro, transit providers | | • Miles of bikeways by route type | Long term (2035–2045) | $$$$ | Road reconstruction funds, Greenhouse Gas Reduction Fund, Neighborhood Access and Equity Grants |
| T3.2 | Implement and regularly update the County's Pedestrian Action Plan, Bicycle Master Plan, and Active Transportation Plans. | DPH, PW | DRP, Metro, transit providers | | • Miles of bicycle sidewalk improved or added | Long term (2035–2045) | $$$$ | County General Fund, Bikeway funds, Supervisor TIP funds, Greenhouse Gas Reduction Fund, Neighborhood Access and Equity Grants |
| T3.3 | Collaborate with Metro and other transit providers to enhance pedestrian and bicycle environments through energy efficient lighting and shading to promote active transportation. Build shade structures at major transit stops, such as those identified in Metro's Active Transportation Strategic Plan, prioritizing communities with high heat vulnerability. Develop and implement a Shaded Corridors Program. | DRP, PW | Metro, transit providers, Parks, DPH, DRP | | • Number and location of shade and lighting projects planned and completed | Medium term (2030–2035) | $$$ | Partial funding secured; additional funds required, Greenhouse Gas Reduction Fund, Neighborhood Access and Equity Grants |

# CLIMATE EQUITY GUIDING PRINCIPLES

- County must integrate equity when implementing the CAP actions

**Prioritize Frontline Communities**
Develop and implement strategies that identify, prioritize, and effectively support and create opportunities for the most disadvantaged geographies and vulnerable populations. Actively seek to remove barriers to investment and incorporate protections for people and communities.

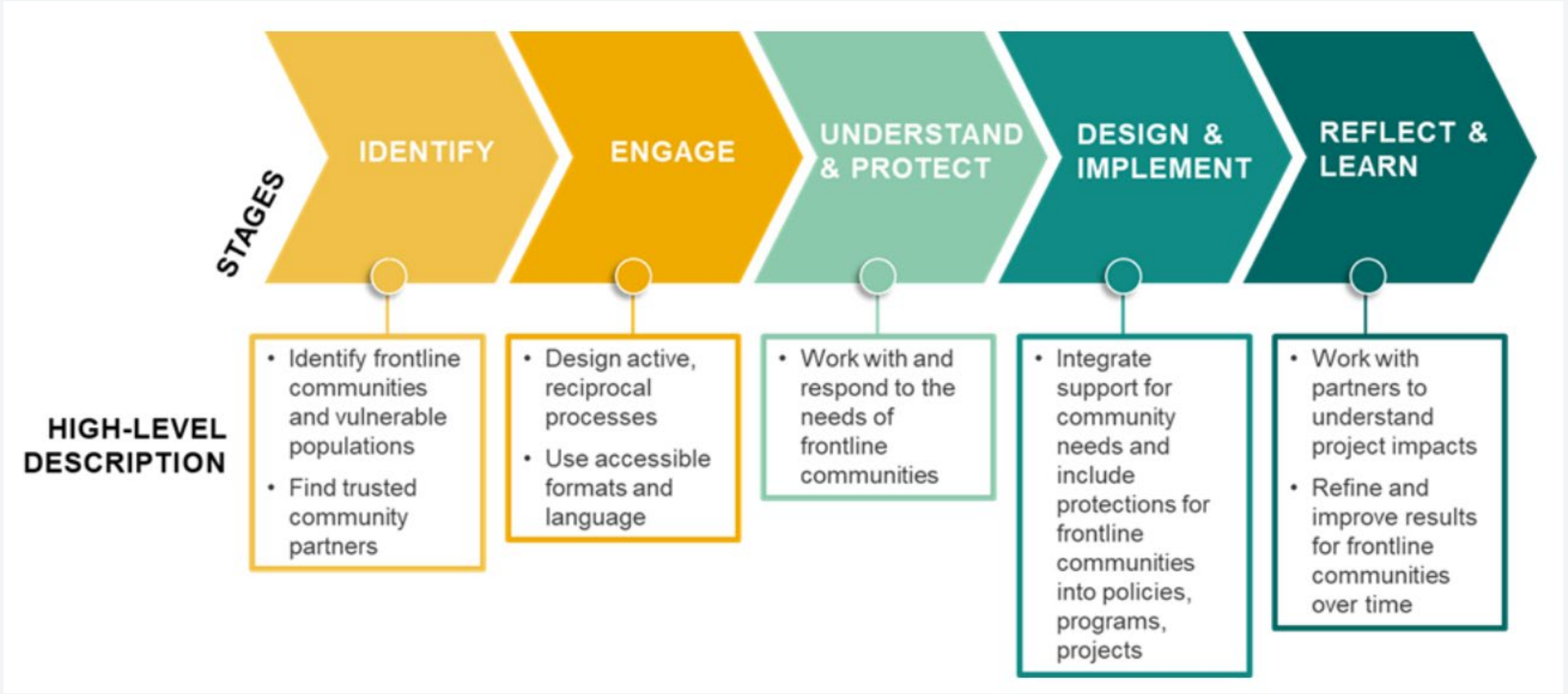
**Authentically Engage Communities**
Authentically engage residents, organizations, and other community stakeholders to inform and determine implementation and investments. Include stakeholders in decisions that impact their lives.

**Use Equity-Centered Data and Analysis**
Use data to effectively assess and communicate equity needs and support timely assessment of progress. Understand the way that funding allocation requirements and formulas lead to disinvestment and reformulate to put frontline communities first.

**Work Collaboratively**
Work collaboratively and intentionally across departments as well as across leadership levels and decision-makers within the County, with other government agencies, and with external partners and community-based organizations.

**Achieve Results**
Act urgently and boldly to achieve tangible results. Create a cycle of feedback with communities through implementation to continually refine and improve.

# INCLUSIVE & EQUITABLE PROCESS



# TIMELINE

# UPCOMING EVENTS

| | |
|---|---|
| **September 27, 2023** | **RPC Presentation 1 (No Action)** - Overview of the structure and functions of the CAP |
| **October 4, 2023** | **RPC Presentation 2 (No Action)** - Topics of concern raised during public outreach events. |
| November 15, 2023 | **RPC Public Hearing –** Render a recommendation to the BOS on the CAP |
| **TBD** | **BOS Public Hearing –** Render a decision on the CAP |
| **TBD** | **CAP Implementation** |

LA COUNTY PLANNING

# End

**Contact Information:**

Thuy Hua, Supervising Planner
Iris Chi, Senior Planner
Cameron Robertson, Senior Planner

climate@planning.lacounty.gov

213-974-6461

planning.lacounty.gov/climate