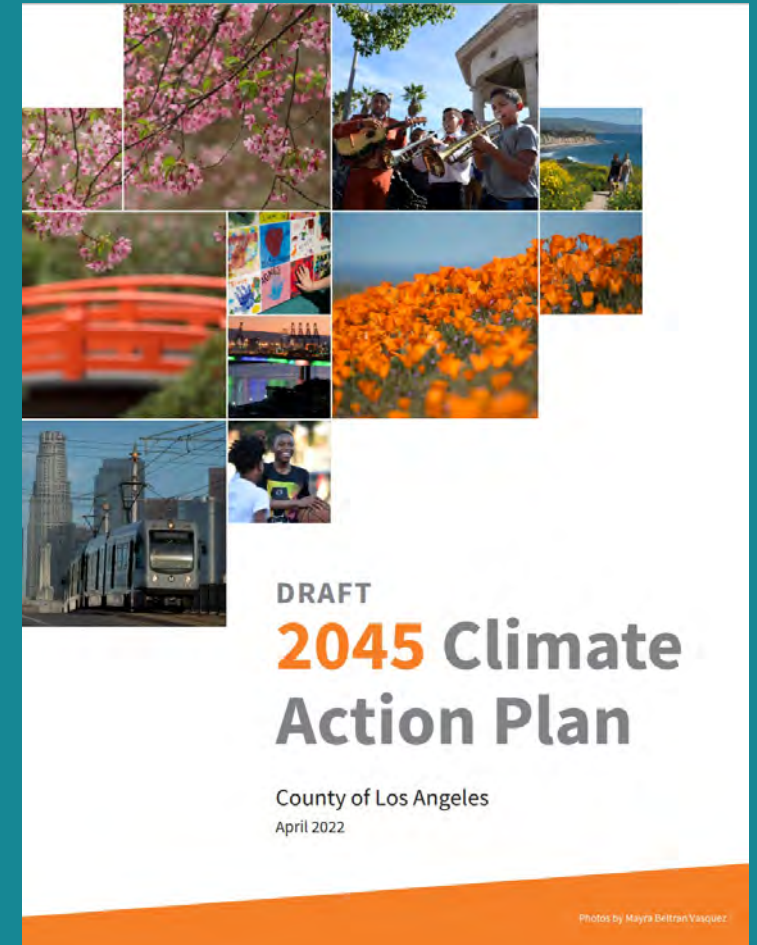


DRAFT 2045 CLIMATE ACTION PLAN



DRAFT 2045 CLIMATE ACTION PLAN

- Background
- Project Overview
- GHG Emission Targets & Goal
- Inventory & Forecasts
- Strategies, Measures, Actions
- Next Steps

The background features a repeating pattern of overlapping squares. The squares are outlined in a light teal color, and the spaces between them are filled with a bright yellow color, creating a geometric, woven effect.

BACKGROUND

WHY

Paris Climate Agreement – The Draft 2045 CAP is the unincorporated County’s path toward meeting the goals of the Paris Climate Agreement (BOS 2016) and achieving carbon neutrality.

General Plan – The Draft 2045 CAP builds on the 2020 CCAP as a component of the Air Quality Element of the 2035 General Plan.

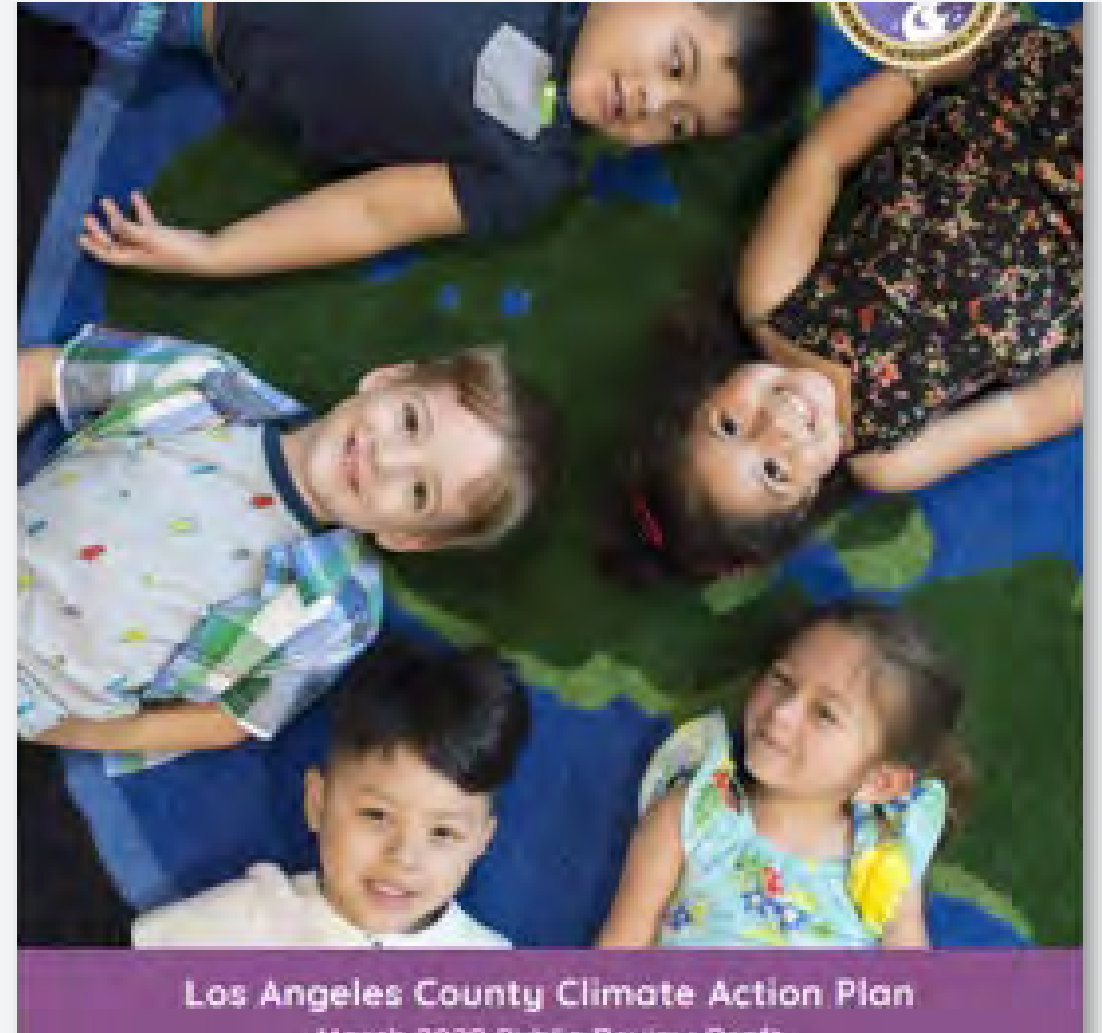


WHERE WE ARE NOW

Gathered Feedback – Public comments were collected and additional internal coordination.

Issued Revised Draft – Based on comments and new information.

CEQA – Prepared an Environmental Impact Report.



SUMMARY OF PRIOR PUBLIC COMMENTS

Utility-scale renewable energy effects on rural communities.

Affordability of electric panel upgrades in single-family homes and older buildings.

Reach codes (net zero water, net zero energy, etc.)

EV charging options for public and multi-family residential development.

Electrifying rideshare vehicle fleets.

Jobs-housing balance considerations.

Incentives for active transportation and reduce driving.



SUMMARY OF PRIOR PUBLIC COMMENTS

Include GHG emissions from water use such as desalination plants and water treatment.

Green nature-based solutions infrastructure instead of traditional infrastructure.

Decentralized organic waste composting in addition to industrial facilities.

Reach codes (net zero water, net zero energy, etc.)

Identify funding sources for CAP strategies.

Partnerships with school districts, community-based organizations, local leaders, transportation agencies, developers.



PROJECT OVERVIEW

WHAT DOES THE DRAFT 2045 CAP INCLUDE?

- **Community Inventory** – Unincorporated County emissions for 2015 & 2018.
- **Forecast** – Future emissions for 2030, 2035, and 2045.
- **Targets & Goal** – 2030 and 2035 reduction targets + 2045 aspirational goal.
- **GHG Emission Reductions** – 10 Strategies, 25 Measures, and ~90 actions.
- **Implementation** – Implementation and monitoring plan, County department leads, funding sources, tracking metrics, timelines, and consistency checklist for streamlining new projects' environmental review.

GHG EMISSION TARGETS & GOAL

GHG EMISSION REDUCTION TARGETS / GOAL

*LA County
2020 CCAP
target was:
11% below
2010 levels*

Year	California	2045 CAP
2030	40% below 1990	40% below 2015*
2035	none	50% below 2015
2045	Carbon Neutrality	Carbon Neutrality [#]
2050	80% below 1990	none

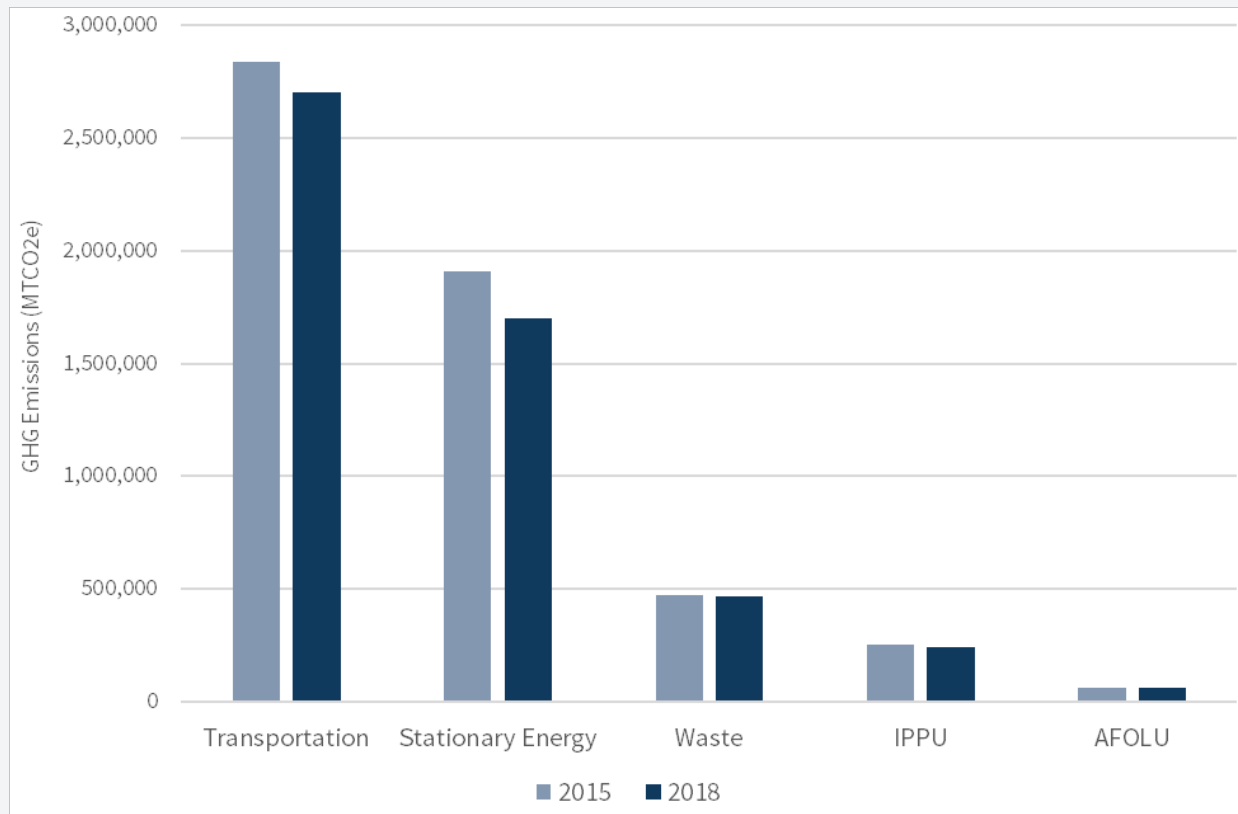


A reduction of 40% below 2015 levels is equivalent to **48% below 1990 levels.*

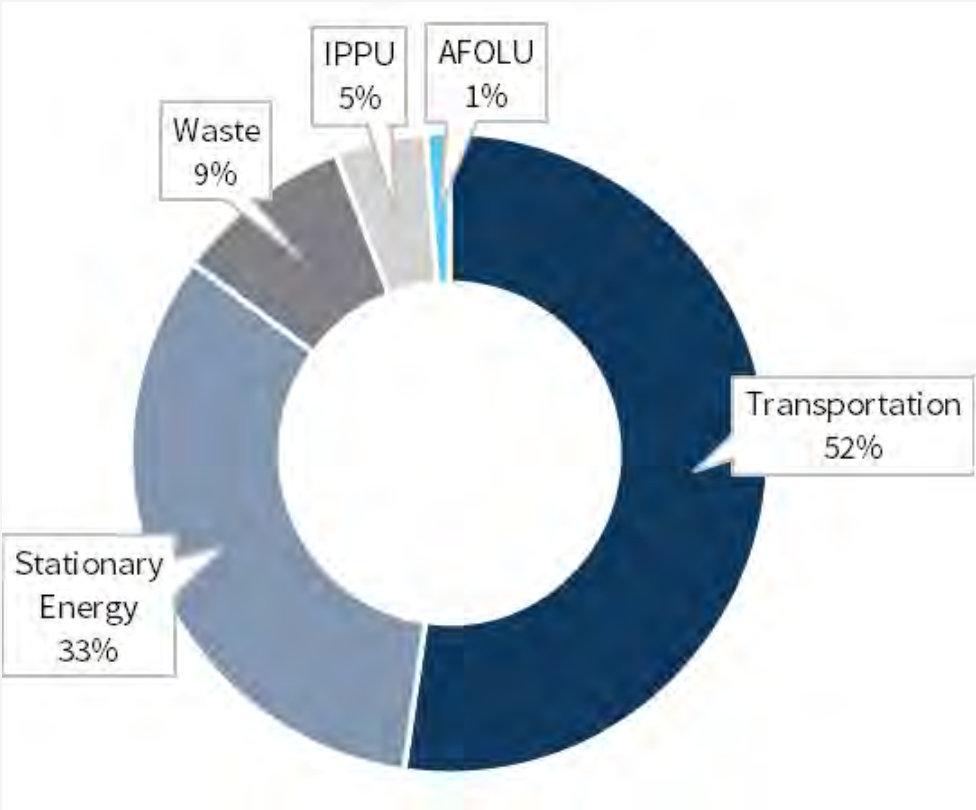
*[#]The 2045 CAP has an **aspirational goal** of carbon neutrality by 2045.*

INVENTORY & FORECASTS

GHG EMISSIONS INVENTORY (UNINCORPORATED)

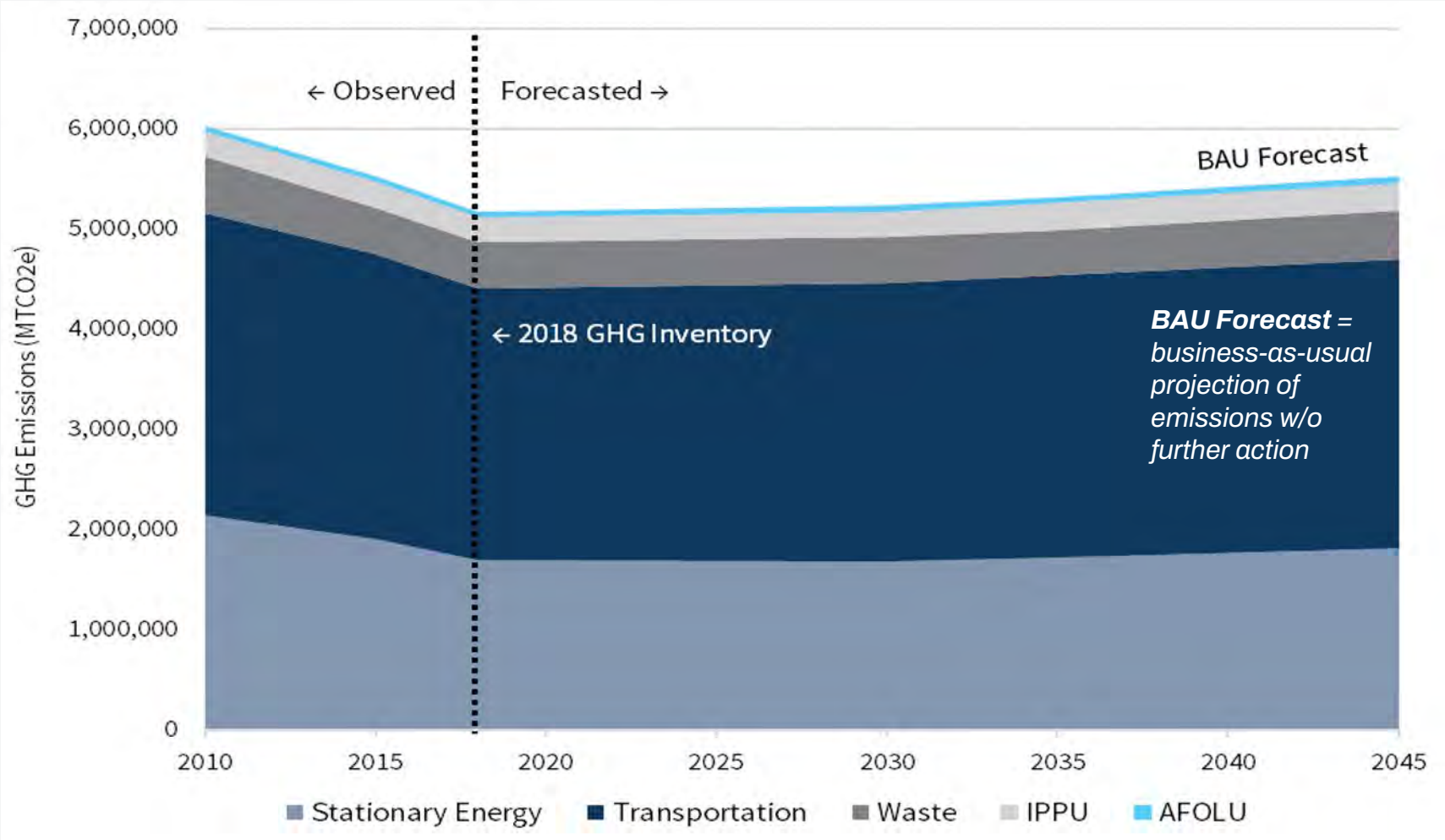


***IPPU** = Industrial Process and Product Use*
***AFOLU** = Agriculture, Forestry, and Other Land Use*

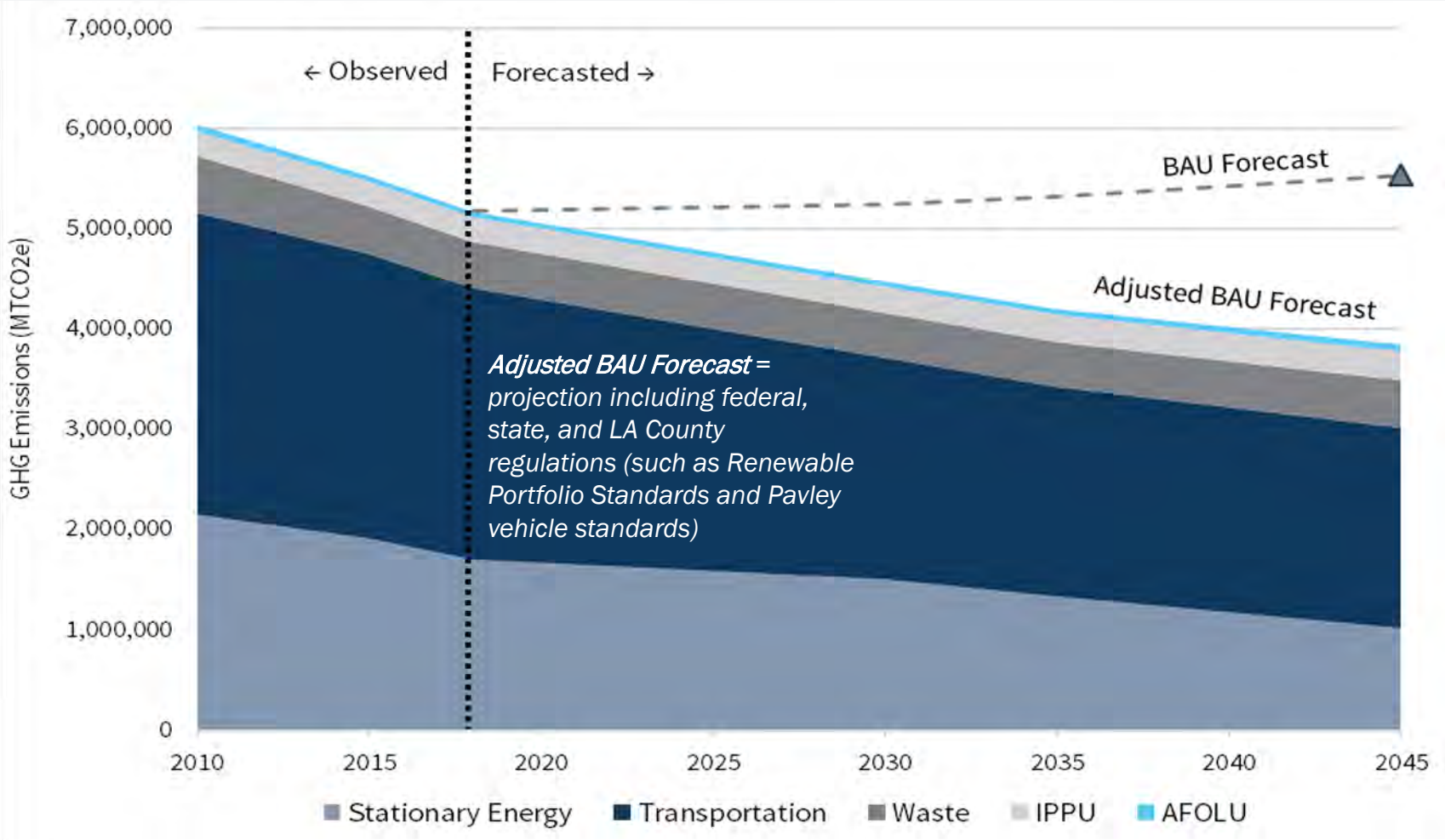


2018 GHG Emissions:
5.2 Million MTCO₂e

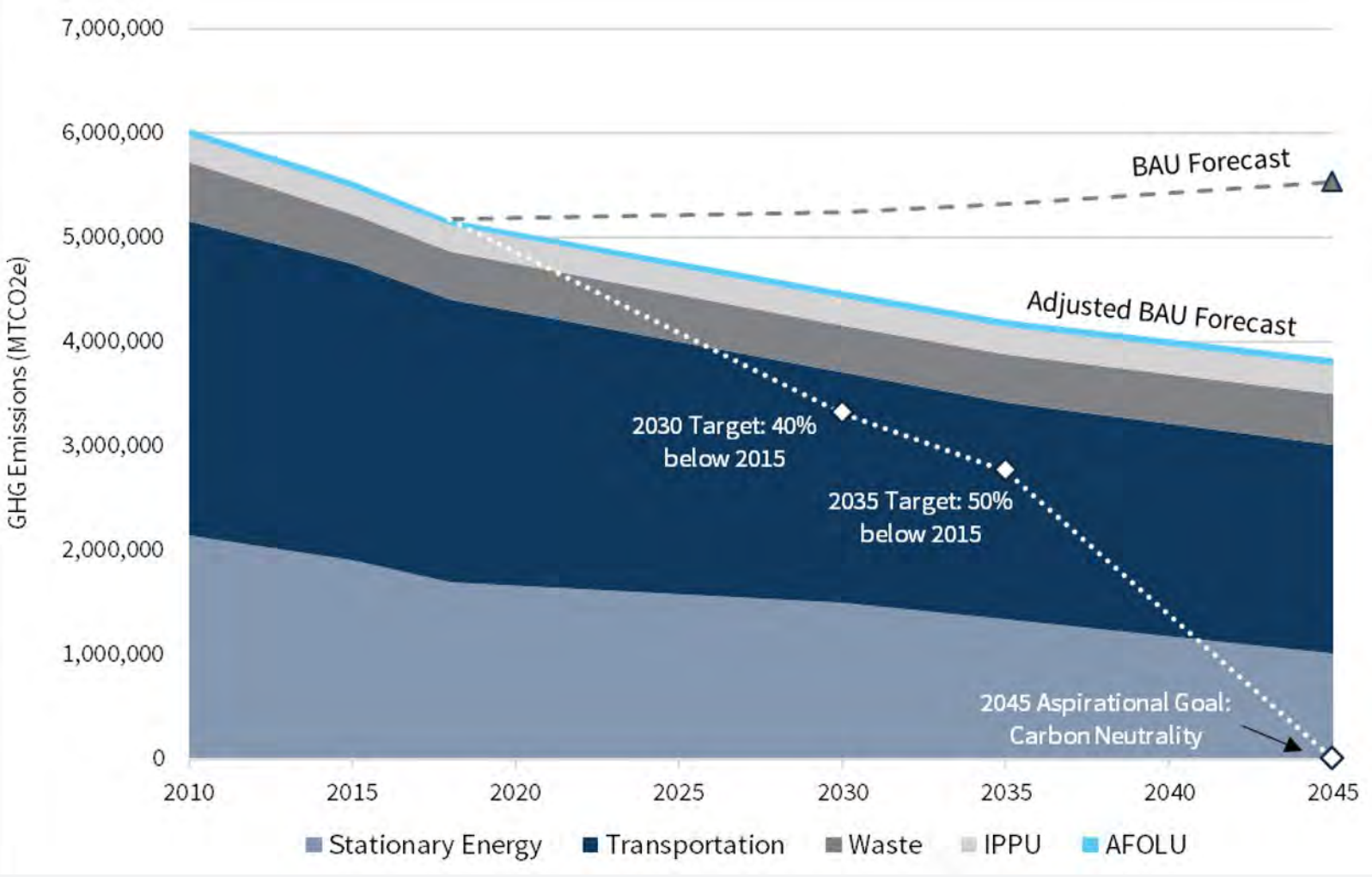
INVENTORY & BAU FORECAST



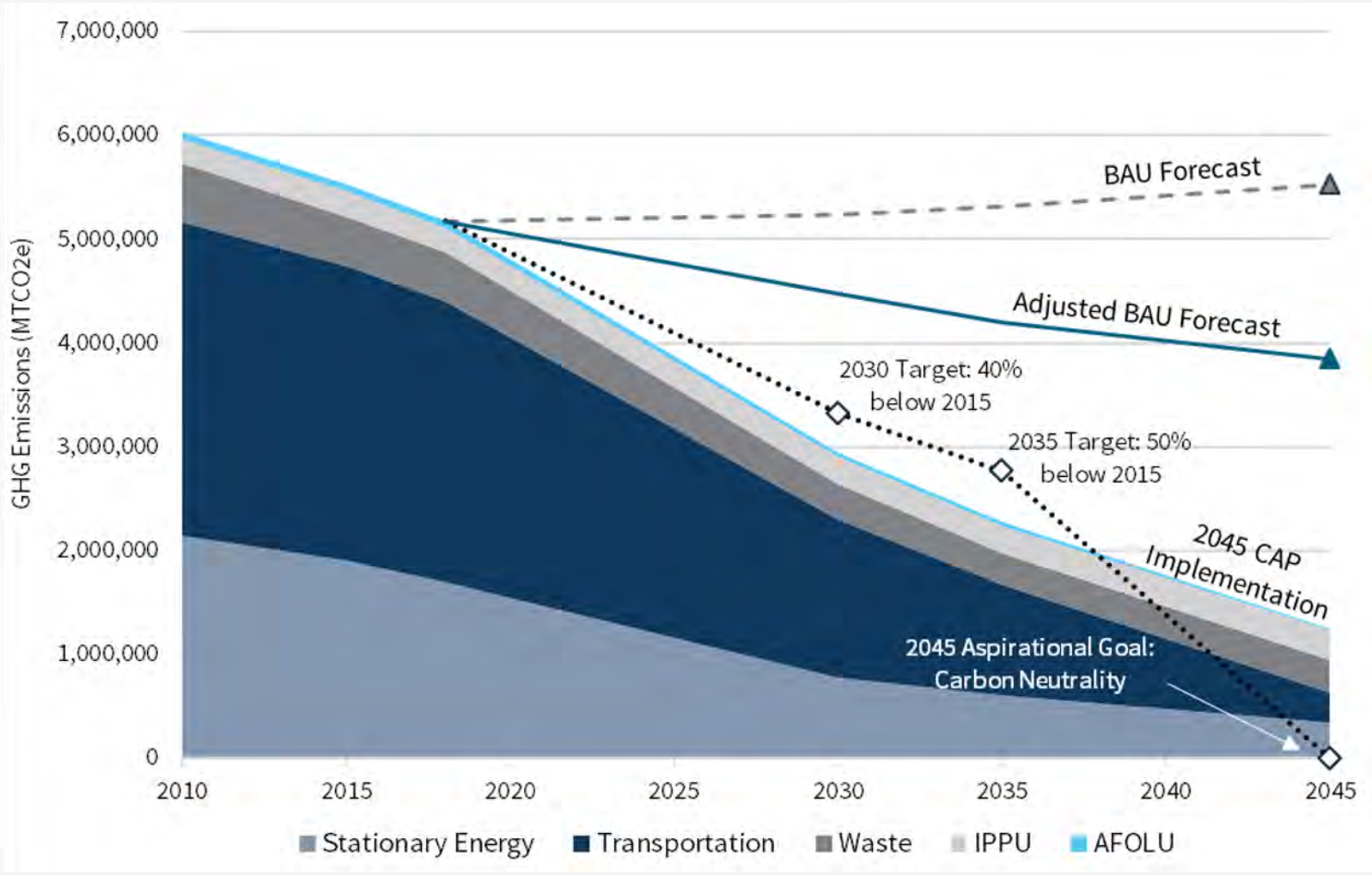
INVENTORY, BAU FORECAST, ADJUSTED BAU FORECAST



INVENTORY, FORECAST, 2030/2035 TARGETS & 2045 GOAL



INVENTORY, FORECASTS, TARGETS / GOAL, REDUCTIONS





STRATEGIES
MEASURES
ACTIONS

DRAFT 2045 CAP REDUCTIONS

Strategies	Sector Specific Goals	<i>Decarbonize Buildings</i>
Measures	Programs with quantified GHG emission reductions	Transition Existing Buildings to All-Electric
Actions	Specific policies, programs, and tools that support long-range planning	<i>Increase alternatives to natural gas; establish carbon intensity limits for buildings; requirements of retrofits at time of sale</i>

DRAFT 2045 STRATEGIES



Energy Supply

- Decarbonize the Energy Supply



Transportation

- Increase densities and diversity of land uses near transit
- Reduce single-occupancy vehicle trips
- Institutionalize low-carbon transportation



Building Energy and Water

- Decarbonize buildings
- Improve efficiency of existing building energy use
- Conserve water



Waste

- Minimize waste and recover energy and materials from the waste stream



Agriculture, Forestry, and Other Land Use

- Conserve forests and working lands.
- Sequester carbon and implement sustainable agriculture

DRAFT 2045 CAP STRATEGIES & MEASURES



- **Strategy 1: Decarbonize the Energy Supply**

- ES1: Develop a Sunset Strategy for All Oil and Gas Operations
- ES2: Procure Zero-Carbon Electricity
- ES3: Increase Renewable Energy Production
- ES4: Increase Energy Resilience
- ES5: Establish GHG Requirements for New Development



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

- T1: Increase Density Near High-Quality Transit Areas
- T2: Develop Land Use Plans Addressing Jobs/Housing Balance and Increase Mixed Use



- **Strategy 3: Reduce Single-Occupancy Vehicle Trips**

- T3: Expand Bicycle and Pedestrian Network to Serve Residential, Employment, and Recreational Trips
- T4: Broaden Options for Transit, Active Transportation, and Alternative Modes of Transportation
- T5: Limit and Remove Parking Minimums

DRAFT 2045 CAP STRATEGIES & MEASURES



- **Strategy 4: Institutionalize Low-carbon Transportation**

- T6: Increase ZEV Market Share and Reduce Gasoline and Diesel Fuel Sales
- T7: Electrify County Fleet Vehicles
- T8: Accelerate Freight Decarbonization
- T9: Expand Use of Zero-Emission Technologies for Off-Road Vehicles and Equipment



- **Strategy 5: Decarbonize Buildings**

- E1: Transition Existing Buildings to All-Electric
- E2: Standardize All-Electric New Development
- E3: Other Decarbonization Actions



- **Strategy 6: Improve Efficiency of Building Energy Use**

- E4: Improve Energy Efficiency of Existing Buildings



- **Strategy 7: Conserve Water**

- E5: Increase Use of Recycled Water and Gray Water Systems
- E6: Reduce Indoor and Outdoor Water Consumption

DRAFT 2045 CAP STRATEGIES & MEASURES



- **Strategy 8: Minimize Waste and Recover Energy and Materials from the Waste Stream**

- W1: Institutionalize Sustainable Waste Systems and Practices
- W2: Increase Organic Waste Diversion



- **Strategy 9: Conserve Forests and Working Lands**

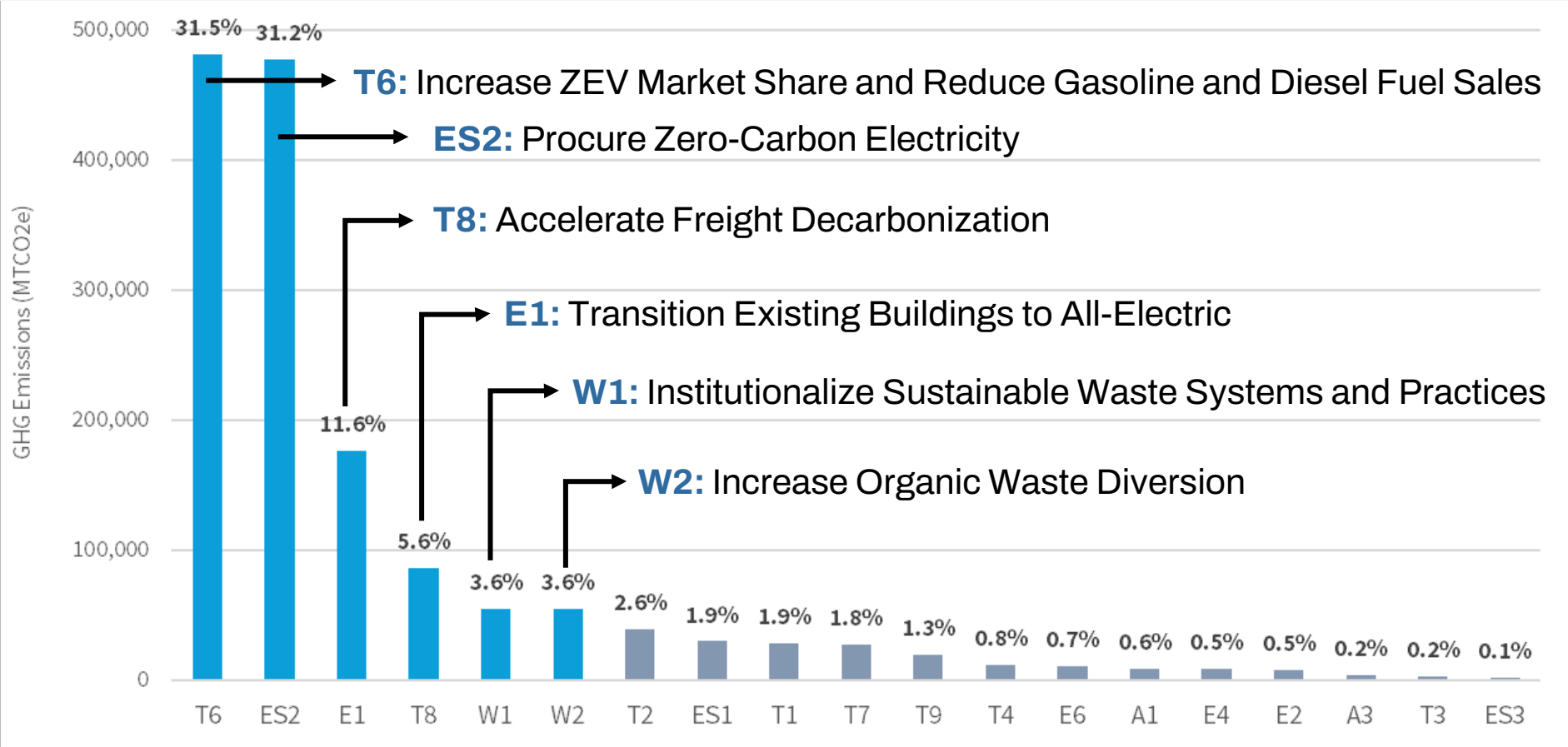
- A1: Conserve Agricultural and Working Lands, Forest Lands, and Wildlands



- **Strategy 10: Sequester Carbon and Implement Sustainable Agriculture**

- A2: Support Regenerative Agriculture
- A3: Expand the County's Tree Canopy and Green Spaces

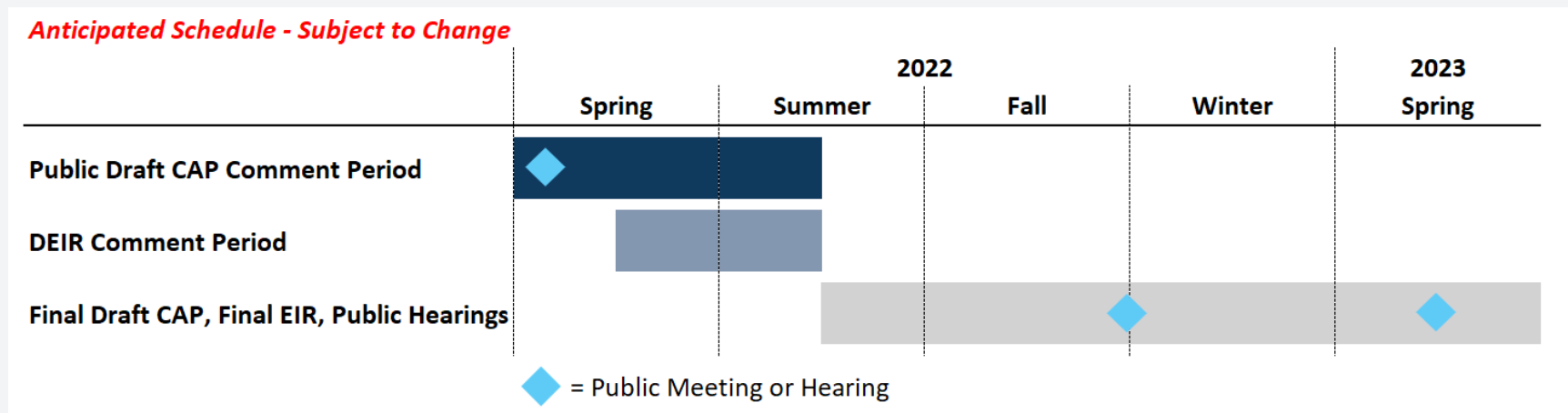
CORE MEASURES: 87% OF TOTAL EMISSION REDUCTIONS



NEXT STEPS

NEXT STEPS

- **Outreach** – In progress.
- **Draft 2045 CAP** – Written comments accepted through July 8, 2022.
- **Forecast** – Written comments accepted through July 8, 2022.
- **Final Draft 2045 CAP** – To be published in Fall 2022.
- **Final EIR** – Regional Planning Commission and Board of Supervisors public hearings to start late 2022 to 2023.

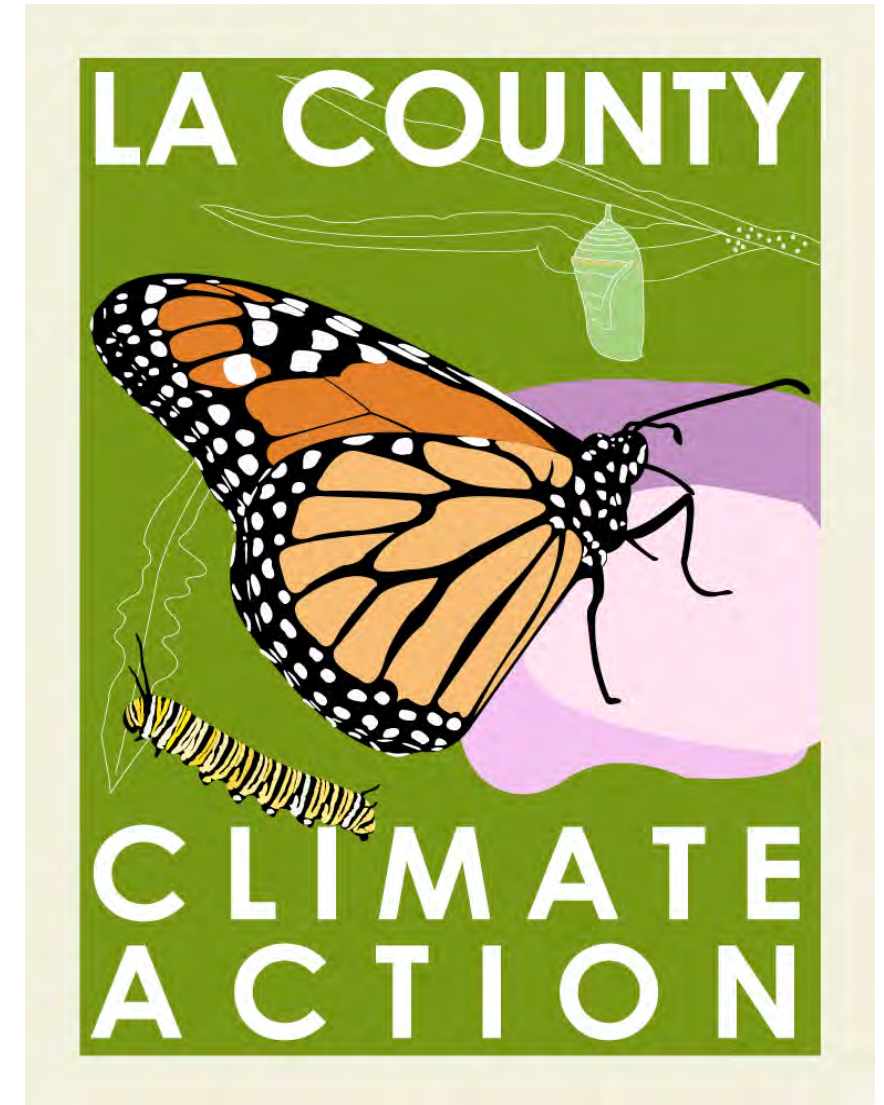


- Climate Action Plan Project Webpage

<https://planning.lacounty.gov/climate/>

- Project Email

climate@planning.lacounty.gov



IT & Library Services

Binh Le, Chief Information Officer



CENIC & E-RATE

- July 2018 – December 2020
- 20 Million Users
- 100GB Per Second Network
- 85 Libraries (including Avalon Island)
- 5 Regional Offices
- Library Headquarters
- \$5 Million Cost
- Zero Out-Of-Pocket



Park & Connect

Phase 1

- 34 Library Locations, Sep 2020 – Dec 2020
- \$708K CARES Funding



Phase 2

- 198,677 Internet Sessions (2021)
- 49 Library Locations, Sep 2022 – Dec 2023
- \$1.5 Million ARPA Funding

Laptop Lending Program

60 Take Home Kits at 10 Libraries, Sep 2020

700 Take Home Kits Added with CARES Funding



Project Timeline, Scope & Cost

Date	Equipment	Quantity	Funding Source	Grant/Funding/Cost
9.30.20	Chromebooks	60	Library	\$24,000
11.2.20	Chromebooks	700	CARES	\$439,563
1.12.21	Chromebooks	400	Library	\$103,560
7.29.21	Chromebooks	175	CARES/SCLC #1	\$91,427
10.12.21	Chromebooks	362	CARES/SCLC #2	\$250,000
5.3.22	Chromebooks	102	CARES/SCLC #3	\$76,000
		1,799		\$984,552

ARPA & ECF Funding

Date	Equipment	Quantity	Funding Source	Grant/Funding/Cost
4 th Quarter 2022	Chromebooks	1,400	ARPA	\$1,851,000
3 rd Quarter 2022	Chromebooks	475	ECF	\$552,150
		1,875		\$2,403,150



Additional Opportunities

Laptop Express

- Oct 2022 – Dec 2022
- 10 Chromebooks per Location, 10 Libraries

Partnership with DPSS

- Sep 2022 – Dec 2022
- 700 Laptop Kits, 14 Libraries
- CalFresh Employment & Training
- GROW Participants & Transition Age Youth



Wi-Fi Expansion to Outreach Vehicles

- 4 Bookmobiles
- 3 MākMō (Maker Mobiles)
- 3 Early Literacy Vehicles
- 2 Mobile Outreach Vehicles



County Digital Divide Strategic Plan



