Sacramento Climate Action Plan Update

Planning & Design Commission

Review & Comment

August 13, 2020

Climate Commission Integration

- Integrated MCC key reduction strategies
- Developed implementable actions with “levers” for the City/SMUD/Partners
- Strategies must have “substantial evidence” for CEQA
- Will be refined through continued community outreach

Electrification of New Construction

Mandate all-electric construction to eliminate fossil-fuel use in new low-rise* buildings by 2023 and all buildings by 2026**

*Low-rise defined as under 4 stories.
**Provided that the costs to go all-electric are cost-effective including the incremental costs of electrical infrastructure upgrades and the technology has shown to be feasible.

Electrification of Existing Buildings

Transition 25% of existing residential and small commercial buildings to all electric by 2030.

Active Transportation

Expand and enhance accessibility to low-stress, connected infrastructure for walking and rolling, prioritizing improvements that address specific community and neighborhood needs so that:

- 30% of all trips are by active transportation by 2030.
- 40% by active transportation by 2045.

Transit & Shared Mobility

Expand and improve transit and shared mobility services to be more accessible, affordable, timely and attractive than single-occupancy-vehicle use so that:

- 30% of all trips are by transit and pooled shared mobility by 2030.
- 50% by transit and pooled shared mobility by 2045.

Zero-Emission Vehicles

Develop a comprehensive package of incentives, disincentives and policies to encourage the adoption of zero-emission vehicles (ZEVs) so that:

- 70% of new vehicle registrations will be for ZEVs by 2030.
- All public, private and shared fleets fully electrified by 2045.

CAP Progress Update

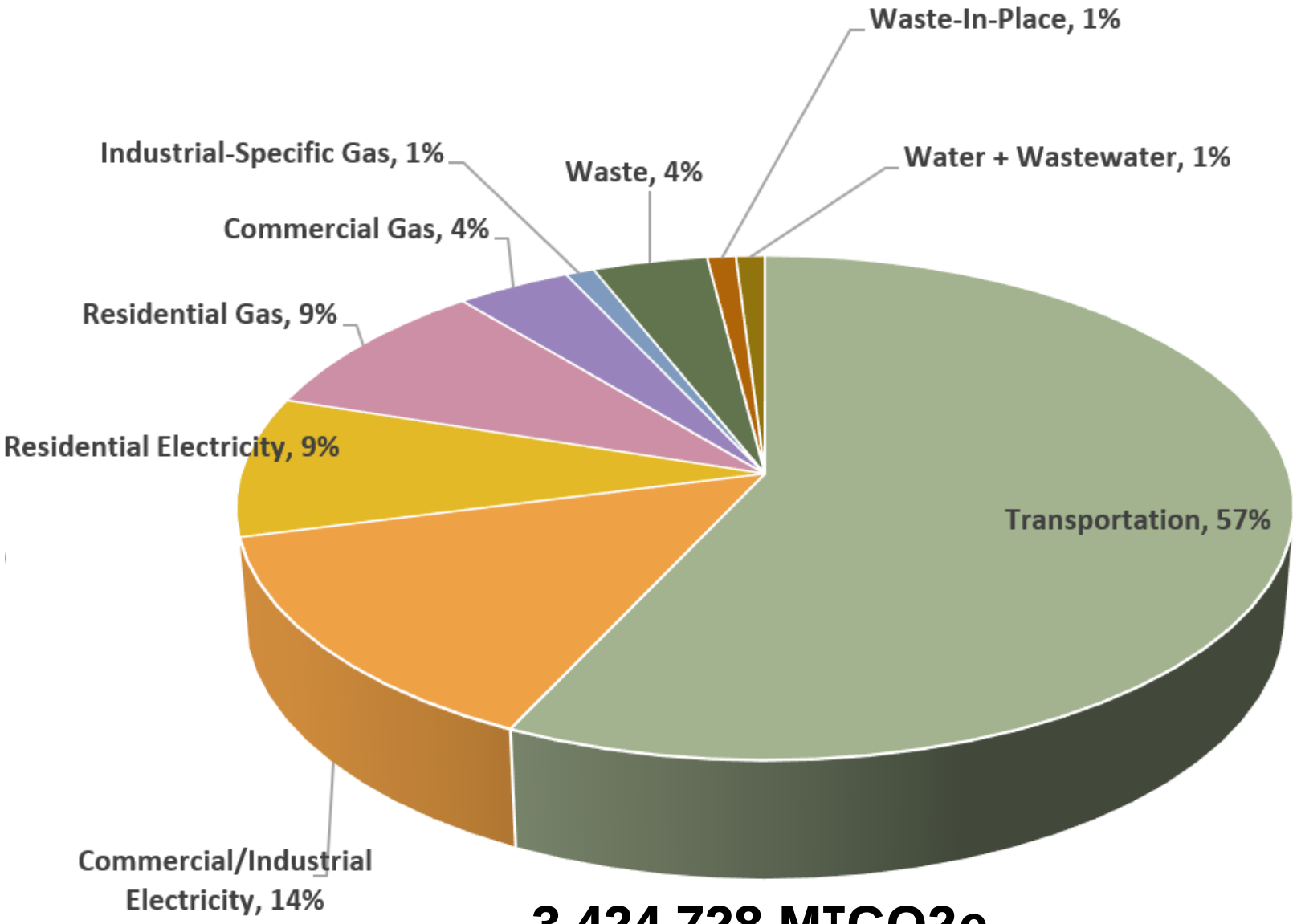
Analysis has been completed for:

- ✓ GHG Inventory
- ✓ Emissions Forecast
- ✓ Preliminary Targets
- ✓ Draft Measure List
- ✓ Preliminary Gap Analysis

Next Steps:

- Adjust measures based on community feedback from results of community questionnaire, EJ Working Group, and scientific survey
- Finalize GHG reduction measure quantification and language
- Develop adaptation & resiliency strategies
- Develop CAP document

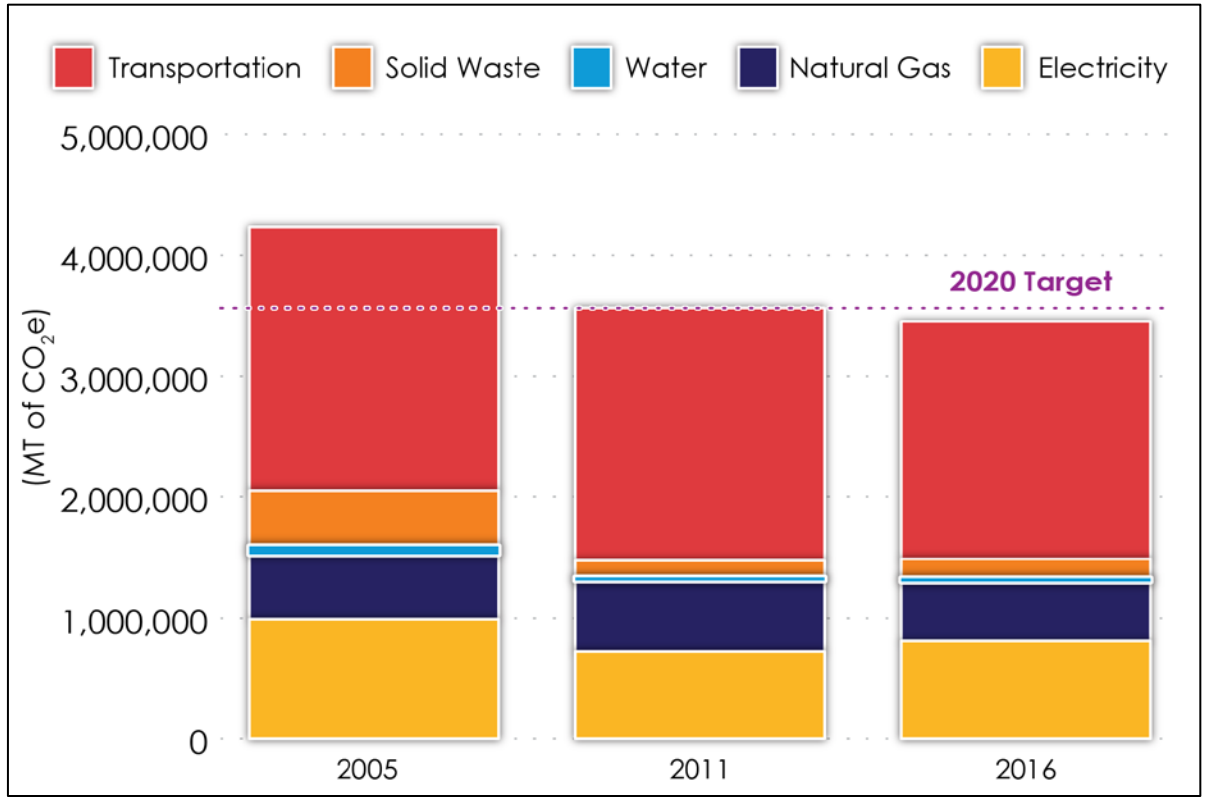
2016 Community GHG Emissions



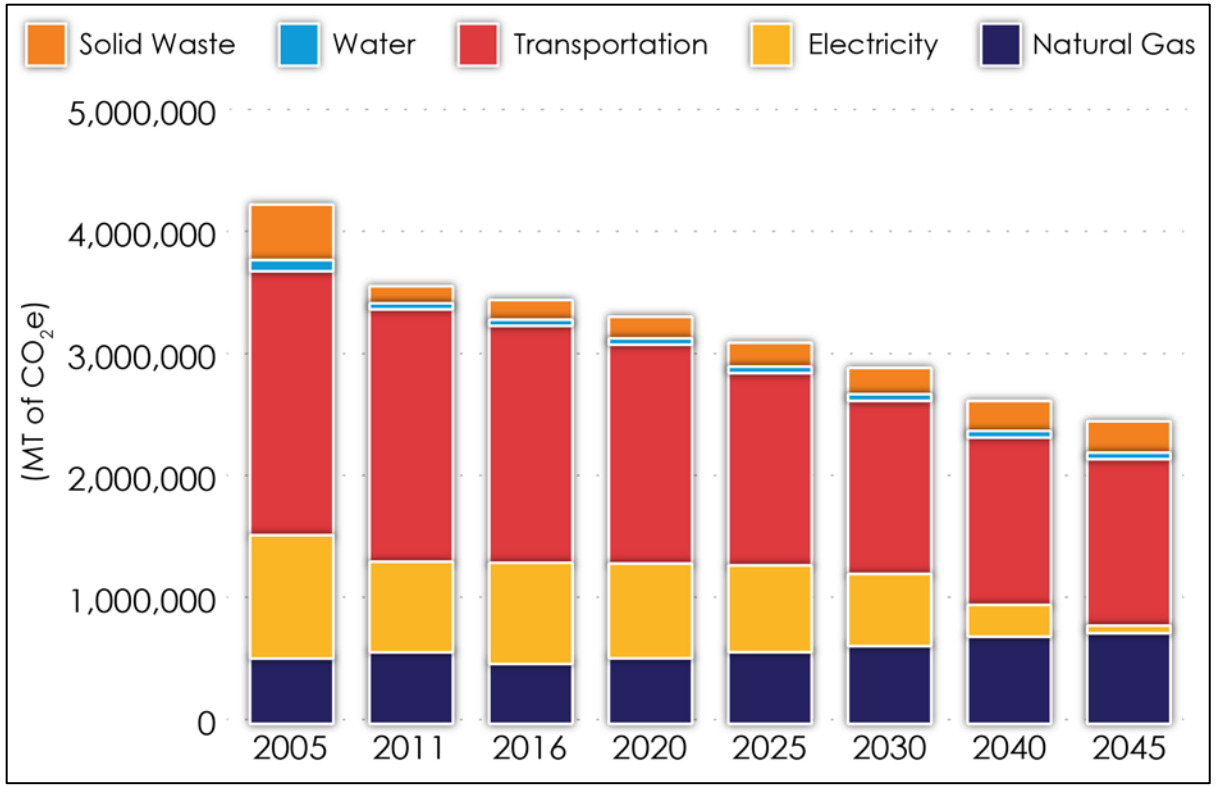
3,424,728 MTCO2e

GHG Inventory and Forecast Results

Past Emissions



Forecast with Legislative Reductions



State Targets

SB 32

Codified 40% reduction below 1990 levels by 2030.

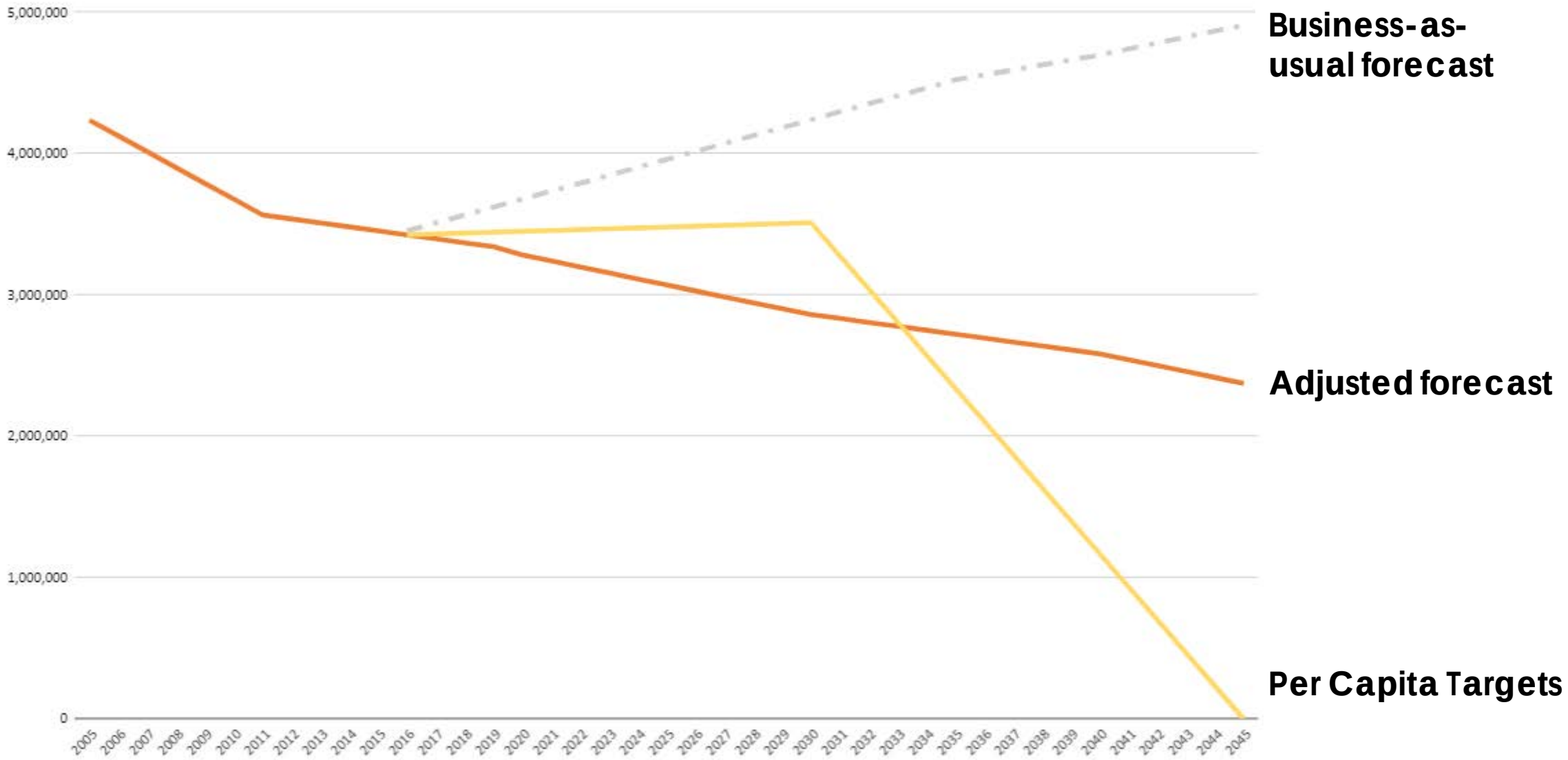
SB 32 Scoping Plan

Calls for the use of per capita emissions targets to control for changes to population.

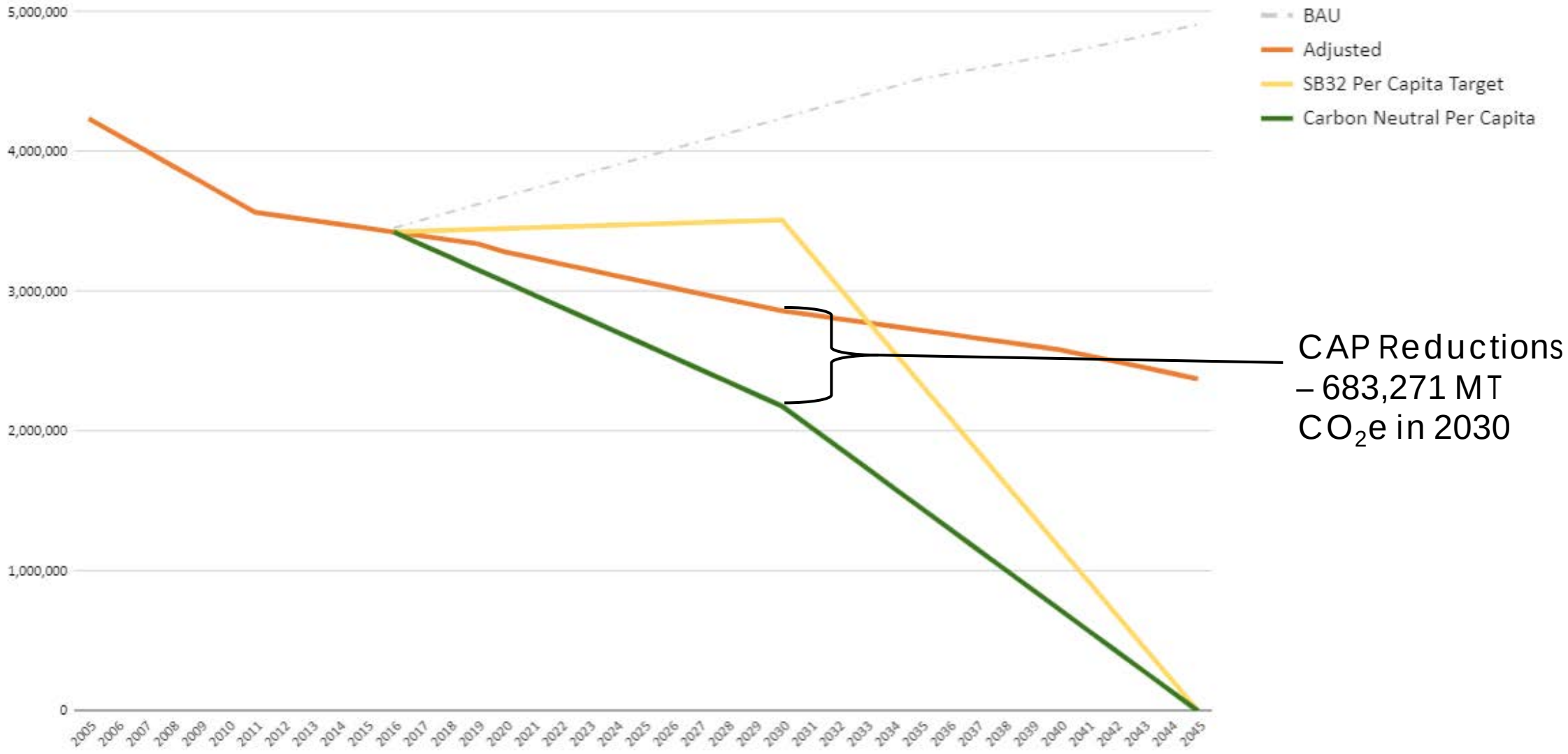
Executive Order B-55-18 + MCC

Sets long term target of carbon neutrality by 2045.

SB 32 & B-55-18 Consistent Target Pathway



Linear Per Capita Reduction to Carbon Neutral



Measure Discussion

Primary Measures from the Draft Measure List

Outreach and Equity Considerations

- Staff fully engaged in Mayor's Climate Commission meetings and TAC meetings.
- Interest-based focus group focused specifically on the **CAP**
- **2** meetings with EJWG to review **22 CAP** actions
- Presentation to high school students on the **CAP**
- **3** city-wide workshops, **10** community plan meetings, **3** listening sessions, virtual questionnaire with **920** respondents
- **Plus:** Pop-up events, youth engagement at Luther Burbank High School, youth events at Dyer Kelly elementary school, youth engagement through Summer at City Hall, youth engagement with youth ambassadors from La Familia, Asian Resources, and Greentech, Lift Every Voice
- Majority of feedback was **positive or neutral**
- Focus on **Equity will continue to be prioritized** during implementation phase

Local Government Levers for Climate Action

- **Buildings Permits:** Energy Efficiency/Transition to All Electric

- **Land Use Planning / Entitlements:** Transition to higher density/mixed use

- **Transportation Infrastructure:** Bike/Ped Improvements/Road diets/Street Trees

- **City Services**:
  - Solid Waste
  - Parking

Illustration by Glen Lowry, Ensia.com

TR-3: Transportation

Support transition to 28% passenger and 22% commercial EV's by 2030

Increase electric vehicle adoption

- Amend City Building Code to require 20% EV capable charging spaces and at least one installed, operational Level II EV charger in new multifamily and nonresidential development.

- Deploy public EV chargers to support 28% EV's in Sacramento by 2030

Energy and Built Environment

Minimal natural gas expansion and a 28% reduction in natural gas use from existing buildings

Pass ordinance to eliminate natural gas in new residential and commercial construction under 4 stories by 2023 and all buildings by 2026

Eliminate natural gas in existing buildings by 2045

- Phase I: No new expansion of gas appliances or gas lines at existing buildings
- Phase II: No natural gas appliance replacements
- Phase III: Provide enforcement with a permit compliance program
- To be supported by expansion of SMUD's retrofit and electrification programs
- Expanded SMUD low-income retrofit programs
- Focus on infill growth

Transportation

Decrease VMT by 15% by 2030

Shift transportation mode share away from cars

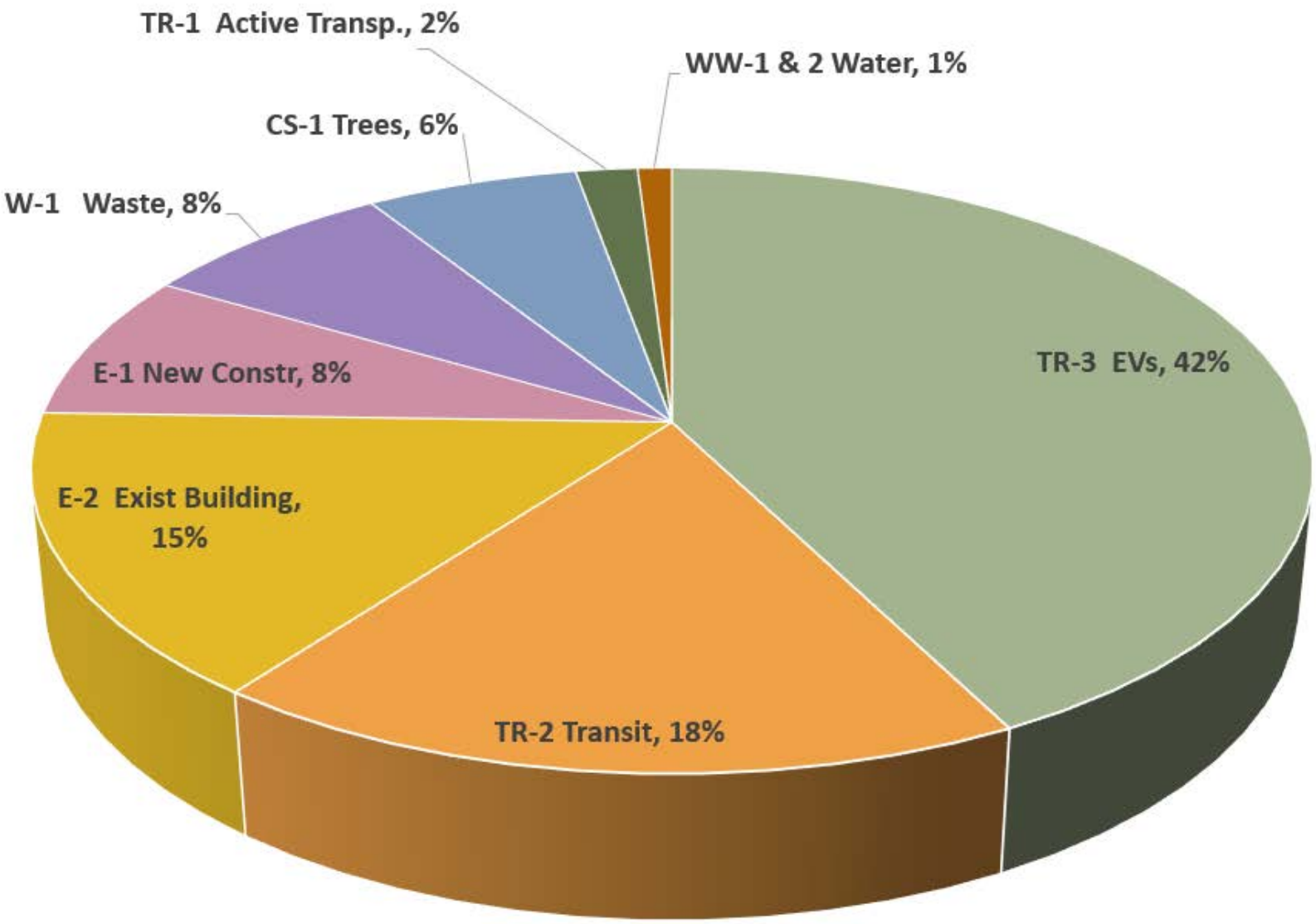
- Work with SacRT to increase frequency and convenience and expand geographical reach
- Additional service and shorter headways
  - Green-line to the airport
- Road diets to support transit priority corridors Transportation most challenging sector and significant funding identified and allocated to pay for infrastructure.
- Implement Bicycle Master Plan Implement Pedestrian Master Plan
- Eliminate parking minimums City-wide and develop parking maximums

Remaining Measures: How City Provides Services

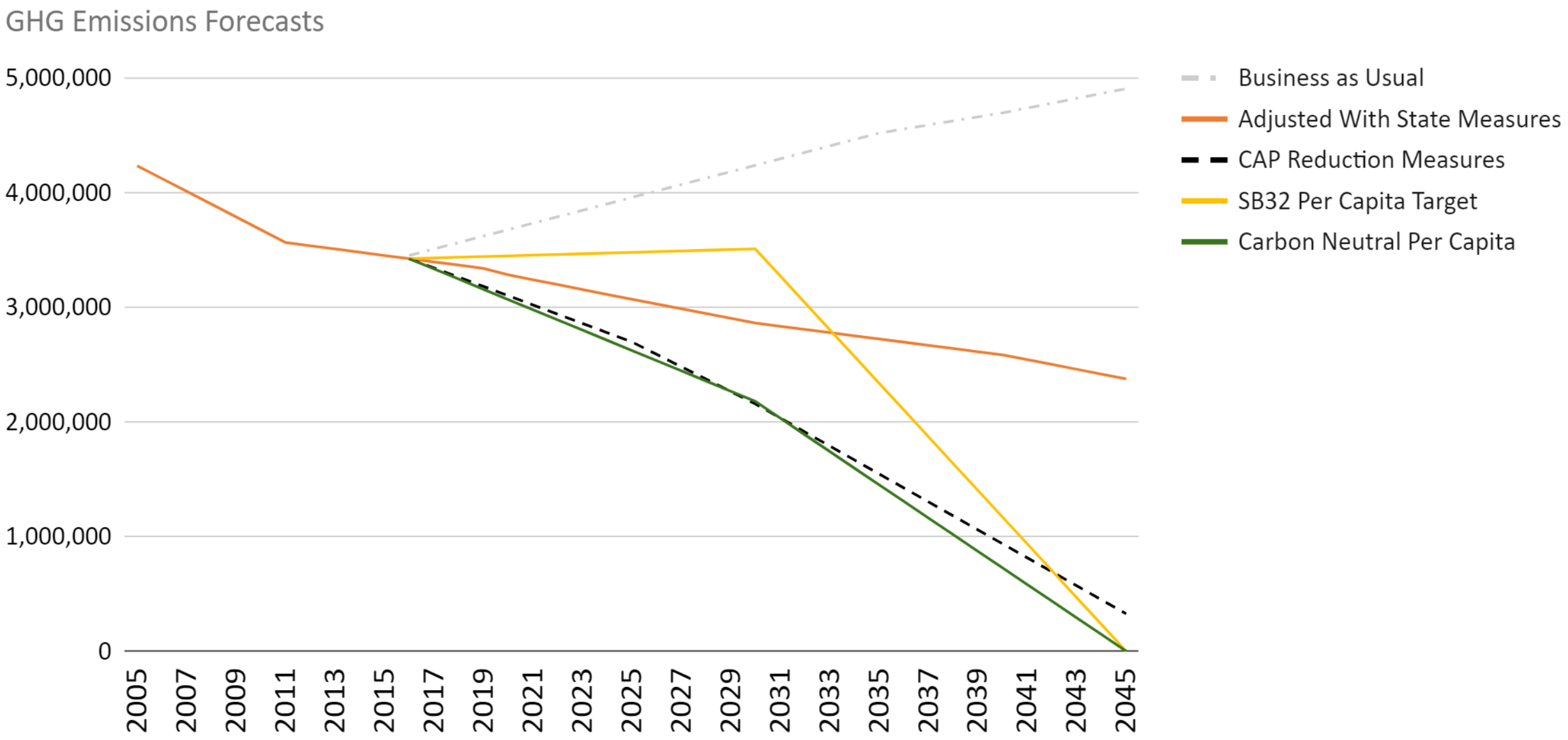
Food waste composting, water conveyance, and increased carbon sequestration

- Provide curbside pickup of food waste city-wide and achieve a 75% diversion of green waste
- Purchase green energy for water conveyance to reduce water emissions 100%
- Increase the urban tree canopy from 19% to 30% for increased carbon sequestration, provide shading, and improve air quality.

GHG Reductions in 2030 by Measure



Gap Analysis



Next Steps

Upcoming milestones as a part of the General Plan Outreach

- Citywide scientific survey (August 2020)
- Ten virtual GP Community Plan area meetings (September 2020 – October 2020)
- Adaptation and resiliency policies and actions
- Presentation to City Council the CAAP framework (December 2020)
- Release of the Draft CAAP (Spring of 2021)
- Adoption of the Final CAAP (Late 2021)

THANK YOU