

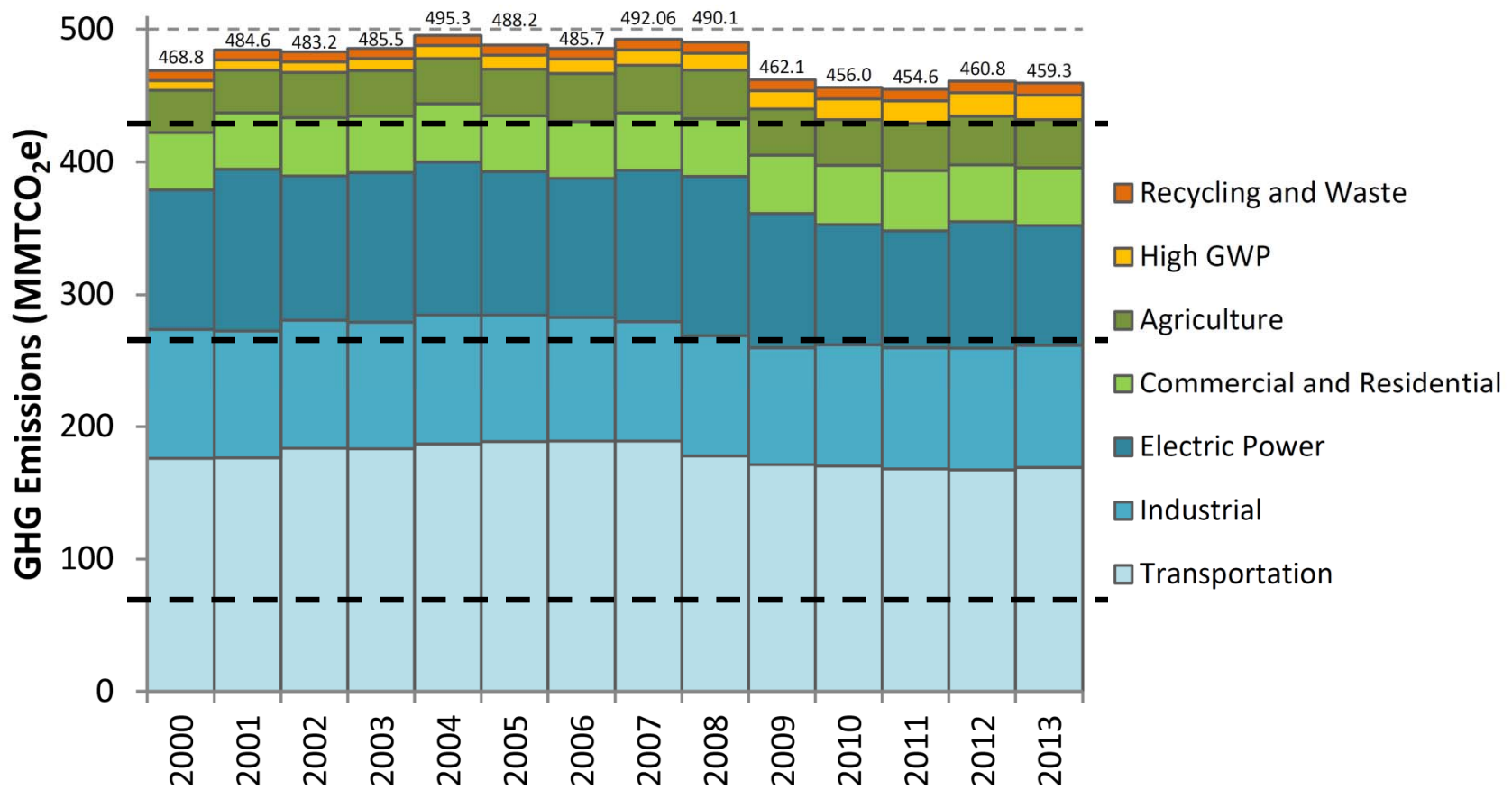


Deep Decarbonization Pathways California Experience

June 2, 2016



The Challenge



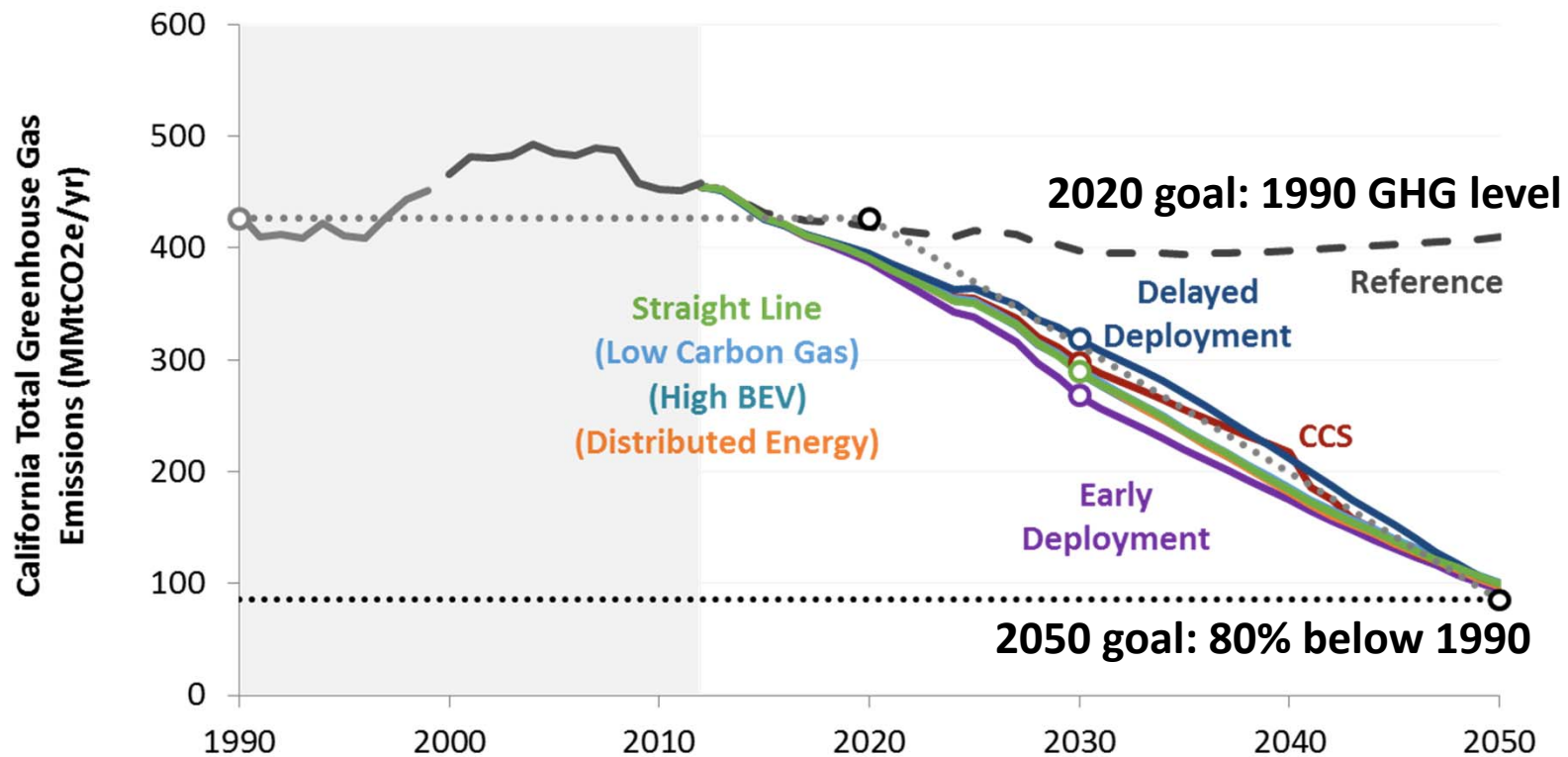
Considerations

- ▣ Authority
- ▣ Technical Feasibility
- ▣ Affordability – Benefits and Costs
- ▣ Programmatic Capacity
- ▣ Quality of Life - Sustainability

PATHWAYS Analysis

- ▣ Physical Reality
- ▣ Assess Plausible Programmatic Outcomes
 - ▣ Emissions
 - ▣ Benefits and Costs
 - ▣ Leakage
- ▣ Focus on Things that Matter

PATHWAYS Analysis



Study documentation available at:

https://ethree.com/public_projects/energy_principals_study.php

CALIFORNIA CLIMATE STRATEGY

An Integrated Plan for Addressing Climate Change



VISION

**Reducing Greenhouse Gas Emissions
to 40% Below 1990 Levels by 2030**

GOALS

**50%
reduction
in petroleum
use in vehicles**



**50%
renewable
electricity**

**Double energy
efficiency savings
at existing buildings**



**Carbon
sequestration
in the land base**



**Reduce
short-lived
climate pollutants**



**Safeguard
California**



More Information

Governor Brown's Executive Order Establishing 40% Reduction Greenhouse Gas Reduction Target:

<https://www.gov.ca.gov/news.php?id=18938>

California Climate Change Portal:

<http://climatechange.ca.gov/>

California Air Resources Board Climate Program:

<http://www.arb.ca.gov/cc/cc.htm>