



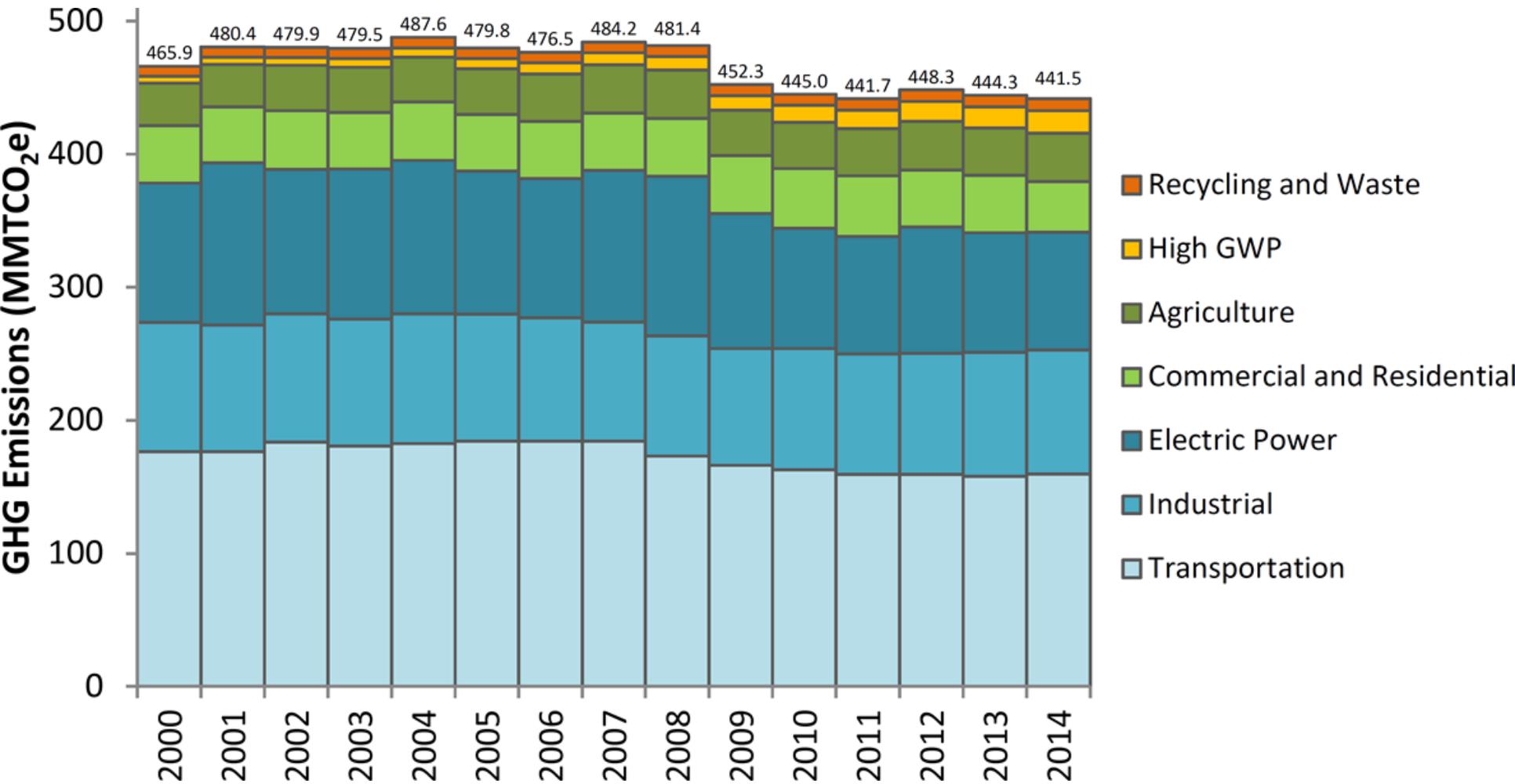
San Gabriel Valley and Gateway Community Cap and Trade Workshop

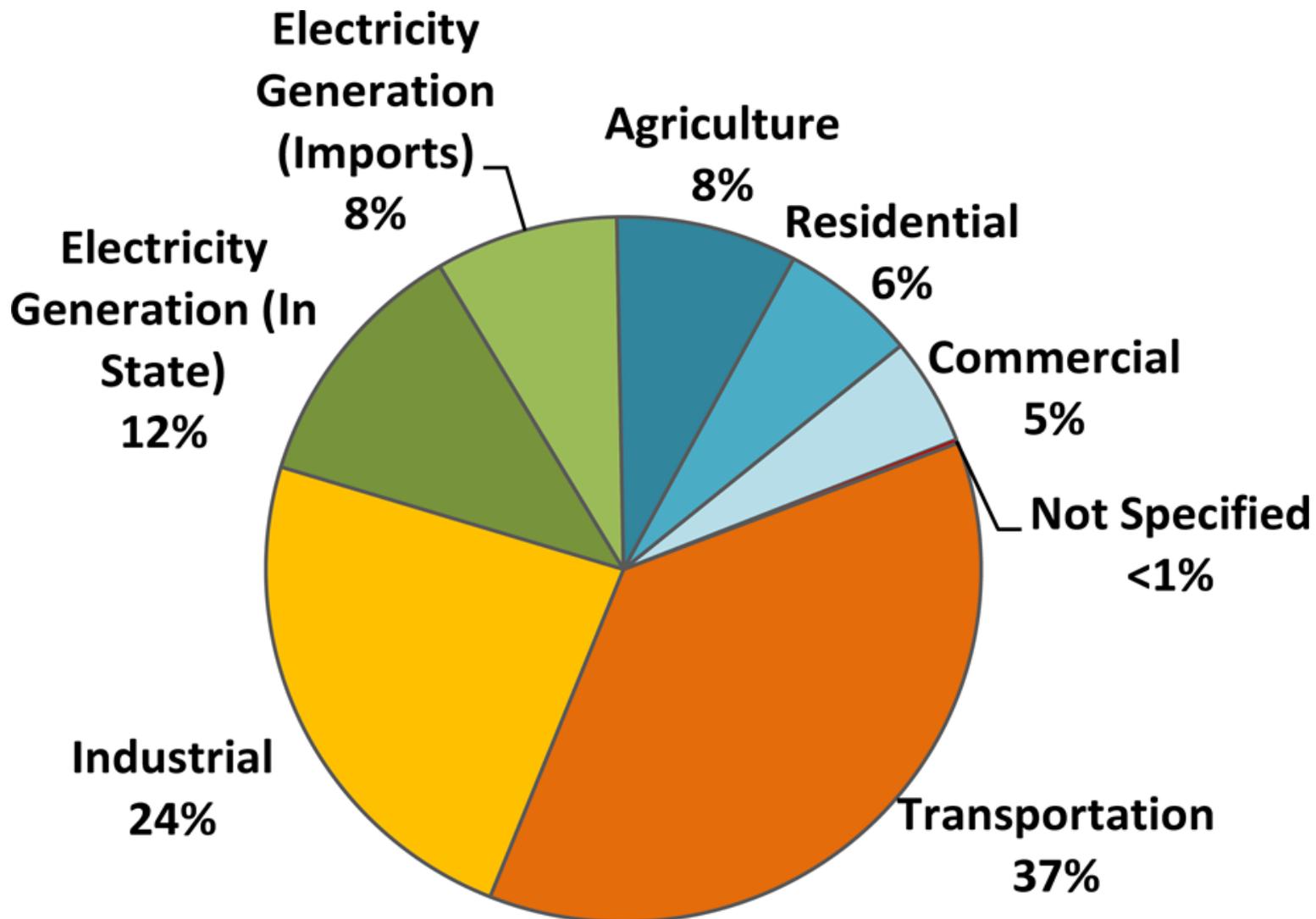
*Ashley Conrad-Saydah
Deputy Secretary for Climate Policy
California Environmental Protection Agency
October 7, 2016*

Objectives

- ▣ Setting California's climate path
- ▣ Considering California's climate future
- ▣ Investing in communities to reduce emissions
- ▣ Opportunities for engagement

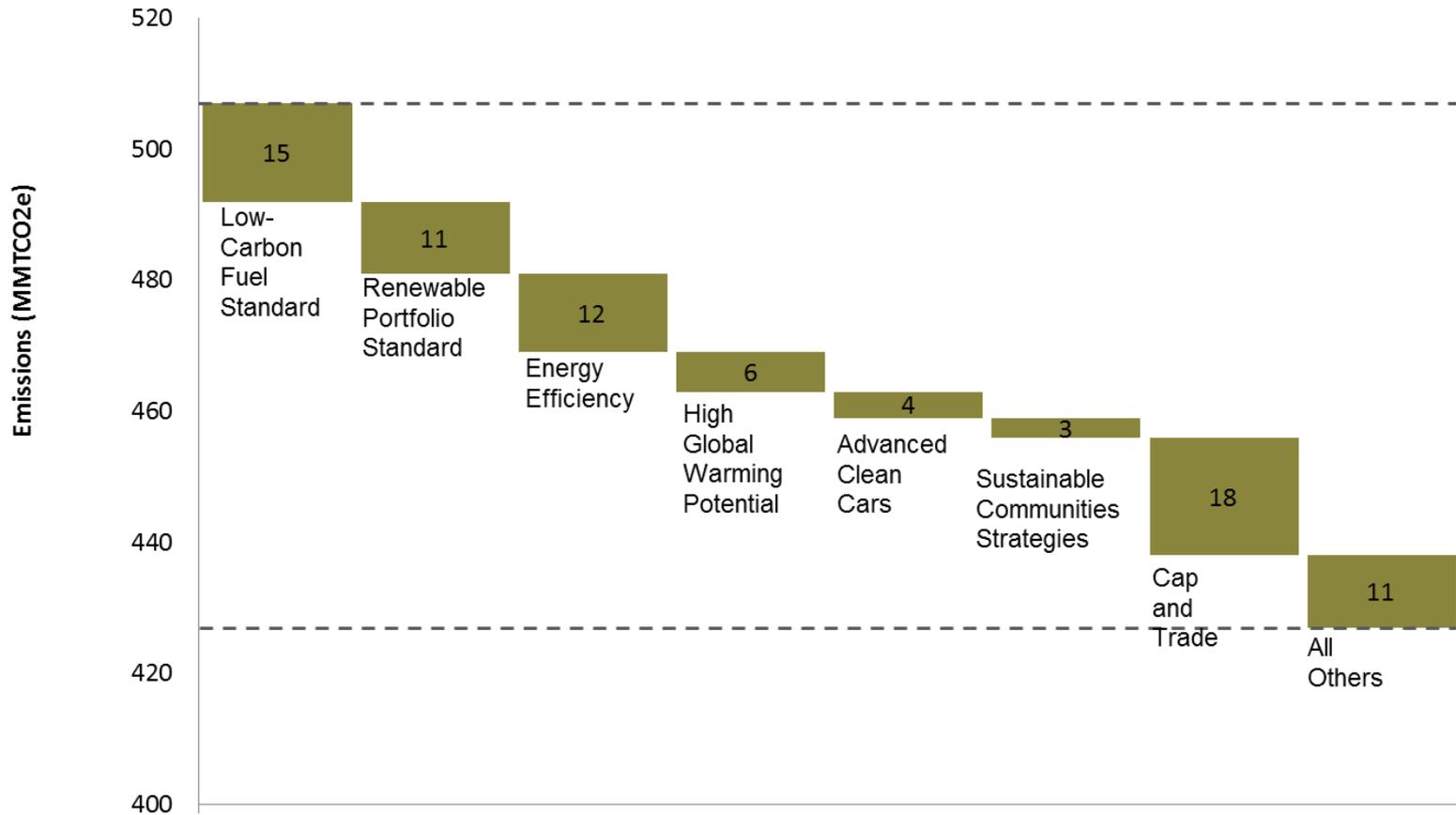
Emissions Change Over Time





2014 Total CA Emissions: 441.5 MMTCO₂e

Emissions Reductions from Complementary Programs

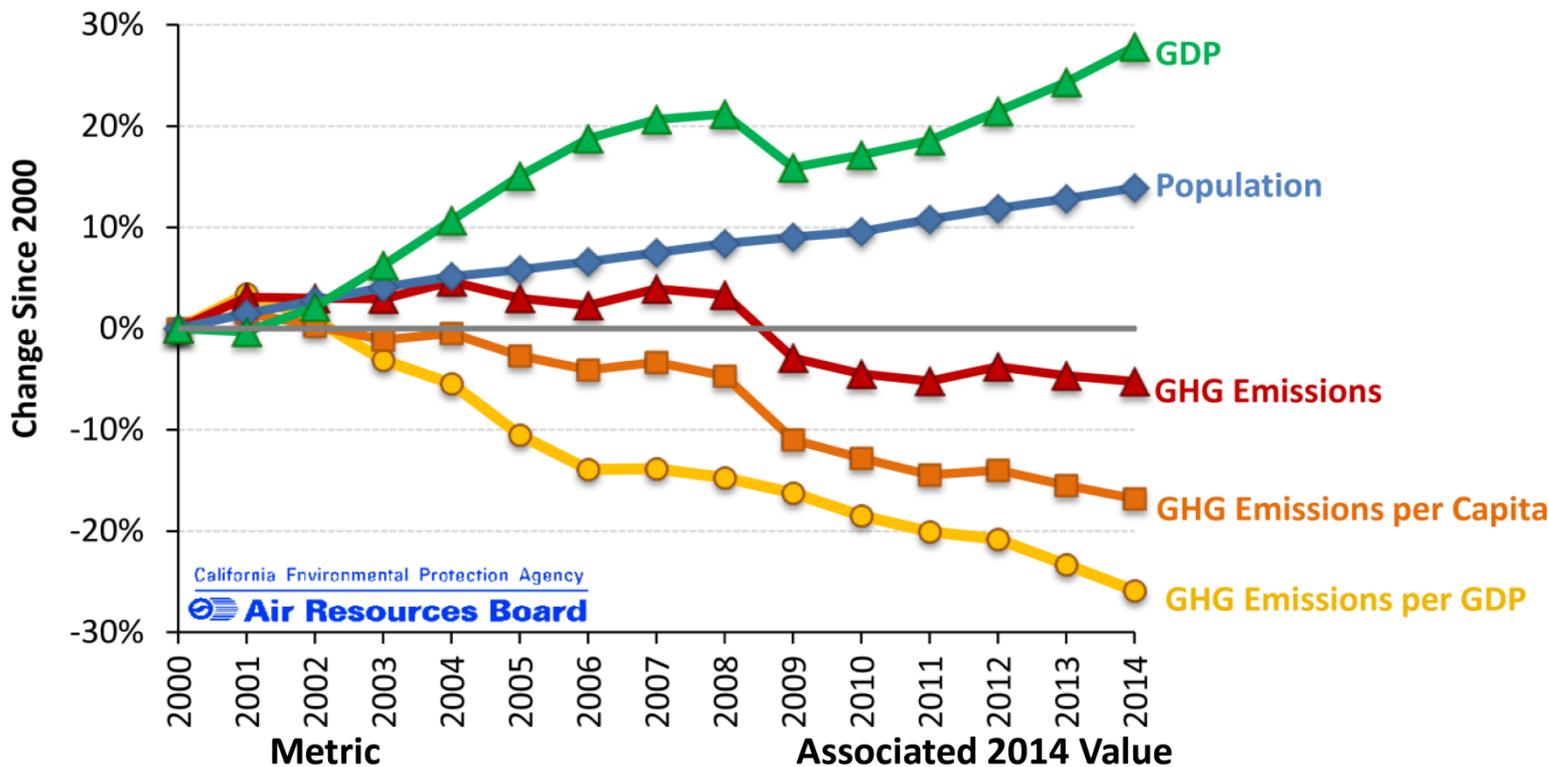


AB 32 Objectives

- ❑ Global Warming Solutions Act of 2006
 - ❑ Develop a balanced approach to address climate change
 - ❑ Improve air quality and public health
 - ❑ Provide a consistent policy approach to drive investment in clean technology
 - ❑ Provide a model for future national and international climate change efforts
 - ❑ Achieve 1990 emissions by 2020; maintain and continue reductions past 2020 to achieve 2030 and 2050 goals
 - ❑ Coordinate efforts across government agencies
 - ❑ Maintain or improvement California's economic standing

Emissions and the Economy

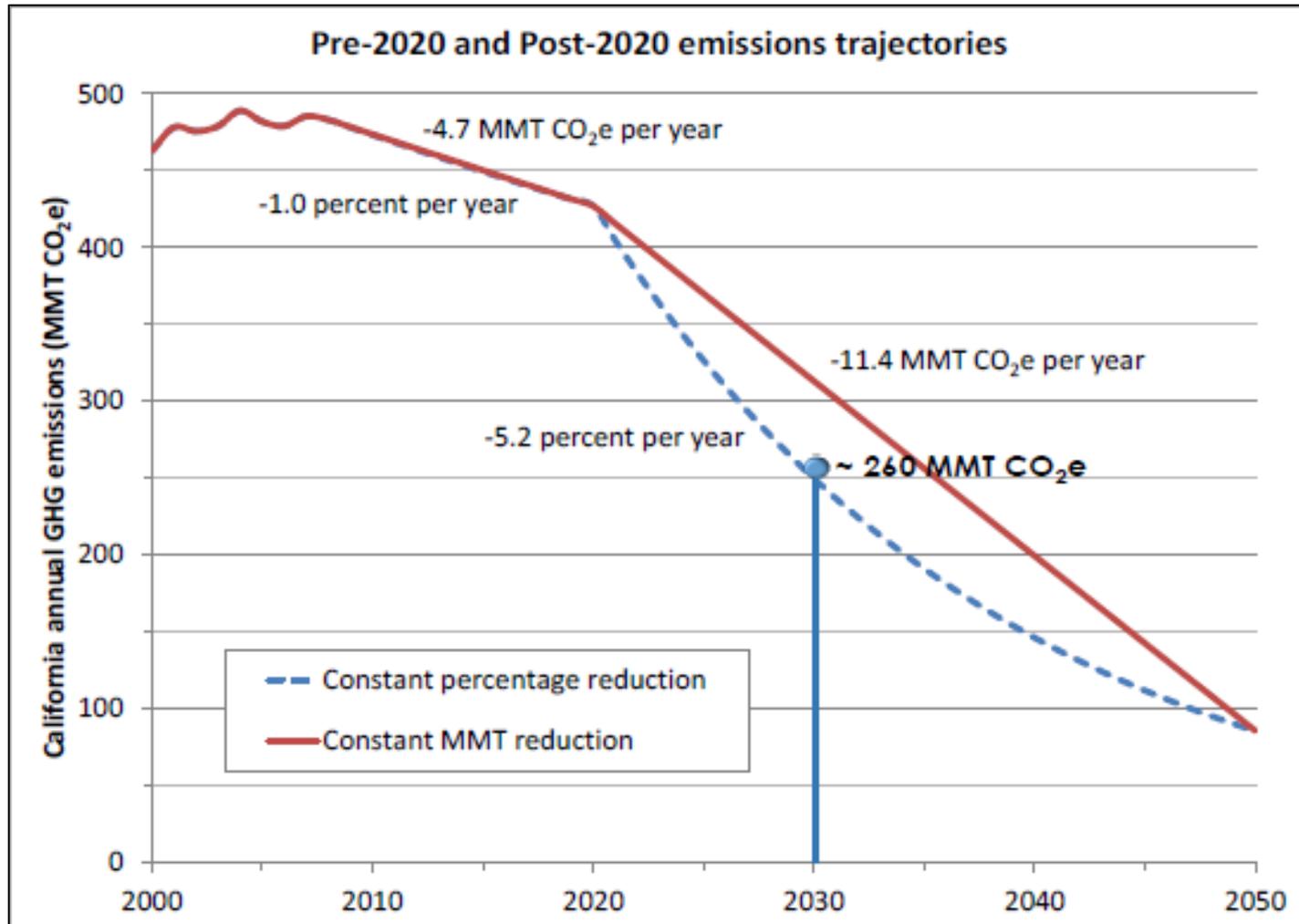
Change in California GDP, Population and GHG Emissions since 2000



California Environmental Protection Agency
Air Resources Board

GDP	2.1 trillion (2009 \$)
Population	38.7 million
GHG Emissions	441.5 MMTCO₂e
GHG Emissions per Capita	11.4 metric tons CO₂e per person
GHG Emissions per GDP	209 metric tons CO₂e per million dollars

Path to 2050 Greenhouse Gas Target



Achieving the 2030 Target:

Cross-Sectoral Strategies

- ❑ Continuation of programs established to reach the 2020 GHG emission reduction target
 - ❑ Cap-and-Trade Program
 - ❑ Low Carbon Fuel Standard
 - ❑ Renewable Portfolio Standard
 - ❑ Advanced Clean Cars Program
 - ❑ Zero Emissions Vehicle Program
 - ❑ Sustainable Freight Strategy
 - ❑ Short-Lived Climate Pollutant Strategy
 - ❑ SB 375 Sustainable Communities Strategy
 - ❑ Incentive programs and investments of GGRF
 - ❑ Innovation in multiple sectors

Cap and Trade Auction Proceeds: Totals

Total California Auction Proceeds To Date

The total amount of auction proceeds to date that have been deposited into the California Greenhouse Gas Reduction Fund (GGRF) pursuant to California Government Code section 16428.8 are shown in the table below. Proceeds are shown by quarter for the most recent auction, and by fiscal year for previous fiscal years.³

<u>Auction Quarter or Fiscal Year</u>	<u>Total Proceeds for Current and Advance Auctions in GGRF (USD)</u>
Q3 2016 (August)	\$8,387,909.54
FY 2015-2016	\$1,829,134,502.71
FY 2014-2015	\$1,490,776,416.79
FY 2013-2014	\$477,140,441.20
FY 2012-2013	\$257,264,031.64
TOTAL	\$4,062,703,301.88

Goals for Cap and Trade Auction Proceeds: Greenhouse Gas Reduction Fund

Reducing greenhouse gas emissions

Benefiting California's most disadvantaged communities

Increasing rural community participation

Maximizing co-benefits to health, environment, and economy

Greenhouse Gas Reduction Fund Appropriations (\$M)	13-14	14-15	15-16	16-17
HSRA - High Speed Rail	\$ 0	\$ 250	\$ 457	-
Caltrans - Low Carbon Transit Operations	\$ 0	\$ 25	\$ 182	-
CalSTA - Transit and Intercity Rail Capital	\$ 0	\$ 25	\$ 91	\$135+
SGC – Afford. Housing Sustainable Comm.s, Sust. Ag. Land Conservation	\$ 0	\$ 130	\$ 366	-
ARB - Low Carbon Transportation	\$ 30	\$ 200	\$ 95	\$363
CSD – Residential Weatherization	\$ 0	\$ 75	\$ 79	\$20
CEC - Energy Efficiency for Public Buildings	\$ 0	\$ 20	\$ 0	\$0
DWR – Water Energy Efficiency	\$ 30	\$ 20	\$ 20	\$0
CDFA – Climate Smart Agriculture	\$ 10	\$ 25	\$ 40	\$65
CDFW - Wetlands and Watershed Restoration	\$ 0	\$ 25	\$ 2	\$0
CALFIRE - Fire Prevention/Urban Forestry	\$ 0	\$ 42	\$ 0	\$40
Cal Recycle - Waste Diversion	\$ 0	\$ 25	\$ 6	\$40
Total	\$ 70	\$ 862	\$ 1,338	\$663 (cont.)

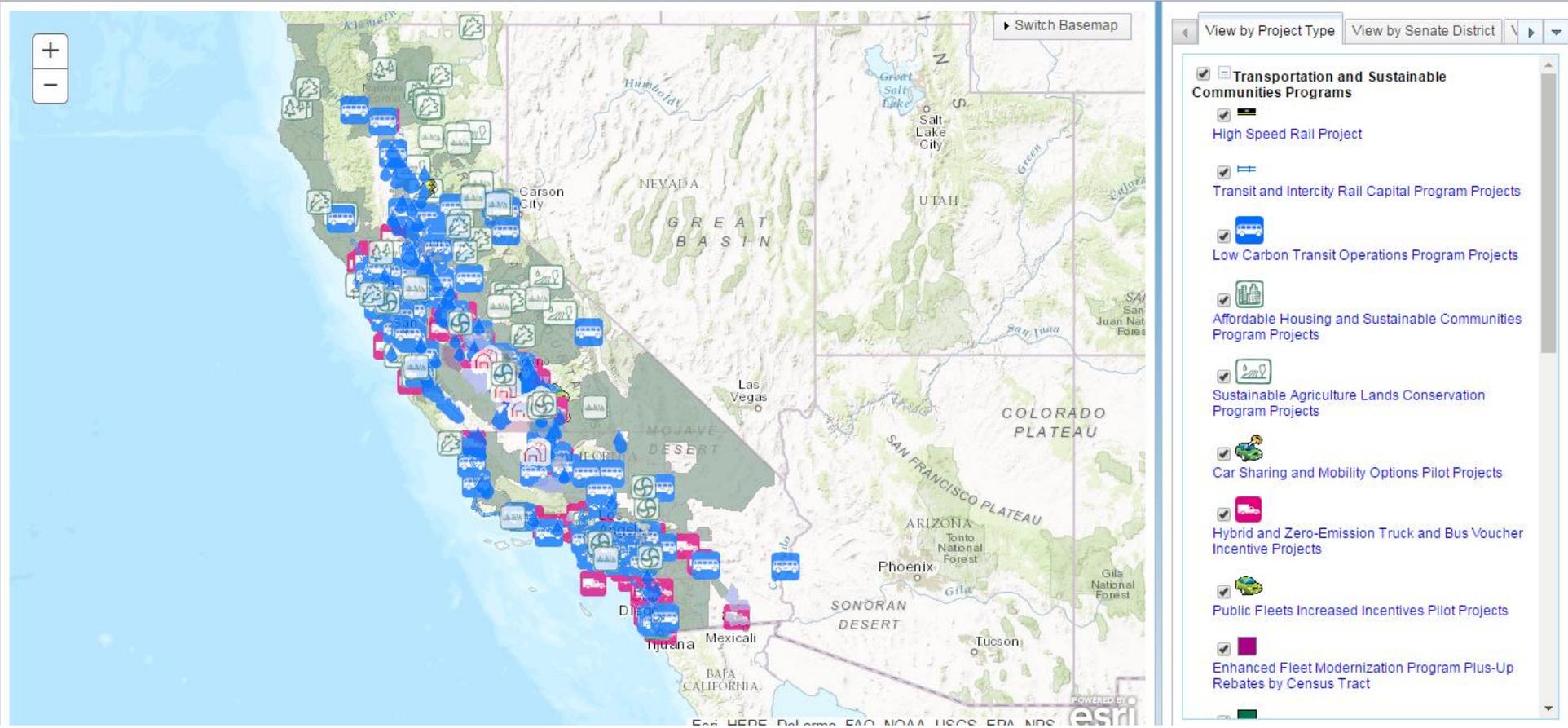
New programs 2016-17

GGRF Appropriations (\$M)	16-17
SGC - Transformative Climate Communities	\$140
ARB – Black Carbon Woodsmoke	\$5
Caltrans – Active Transportation Program	\$10
CNRA - Urban Greening	\$80
Total (new)	\$235
Grand Total 2016-17	\$898

Where were some investments made?



Find address or place **WELCOME** **CONTACT US** **DOWNLOAD DATA** **MORE INFO** **USING THE MAP** **BACK TO AUCTION PROCEEDS**



Where Will Investments Go?

- ▣ Collaborative investments
- ▣ Public-private partnerships
- ▣ One-stop shops for applications
- ▣ Accessible technical assistance
- ▣ California's communities transformed in the face of climate change
- ▣ What do you see?

Questions? Thank you!
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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**



CALIFORNIA CLIMATE STRATEGY

IMPLEMENTATION

SCOPING PLAN

Climate
Action Plans

SLCP Plan

Forest
Carbon Plan

Cap and Trade
Regulation

2040 CA
Transportation Plan

LEGISLATION

AB758 Energy
Efficiency Plan

GGRF
Investment Plan

Healthy Soils
Action Plan

Other plans/regulations for renewables, efficiency, transportation, fuels

BUILDING BLOCKS

Partnerships



Incentives



Voluntary Action



Local Action



Research

Grants

Regulations