California Climate Action Planning

Climate Committee Meeting

January 16, 2020

Purpose

Climate Action Plans (CAPs) are comprehensive roadmaps that outline the specific activities that an agency will undertake to reduce greenhouse gas emissions. Climate action plans build upon the information gathered by greenhouse gas inventories and generally focus on those activities that can achieve the relatively greatest emission reductions in the most cost effective manner.

-Institute for Local Government

Background

- Executive Orders
  - S-03-05
  - B-30-15
- Assembly/Senate Bills
  - AB 32 (2006)
  - SB 32 (2016)

Process

#1

Baseline Inventory

#2

Adopt Target

#3

Forecast Emissions

#4

Strategy Selection

#5

Funding & Implementation

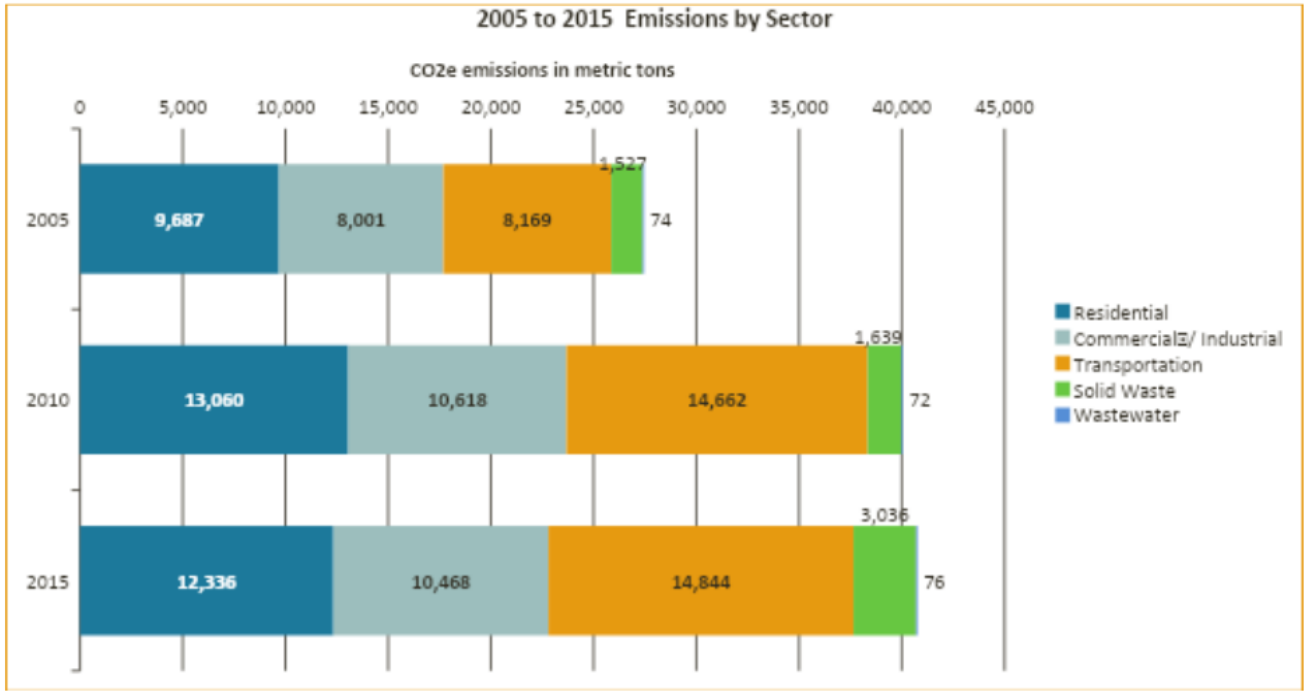
#6

Monitor & Track Progress

#1 – GHG Emission Inventory

AMBAG energy watch

2005-2015 Greenhouse Gas inventories



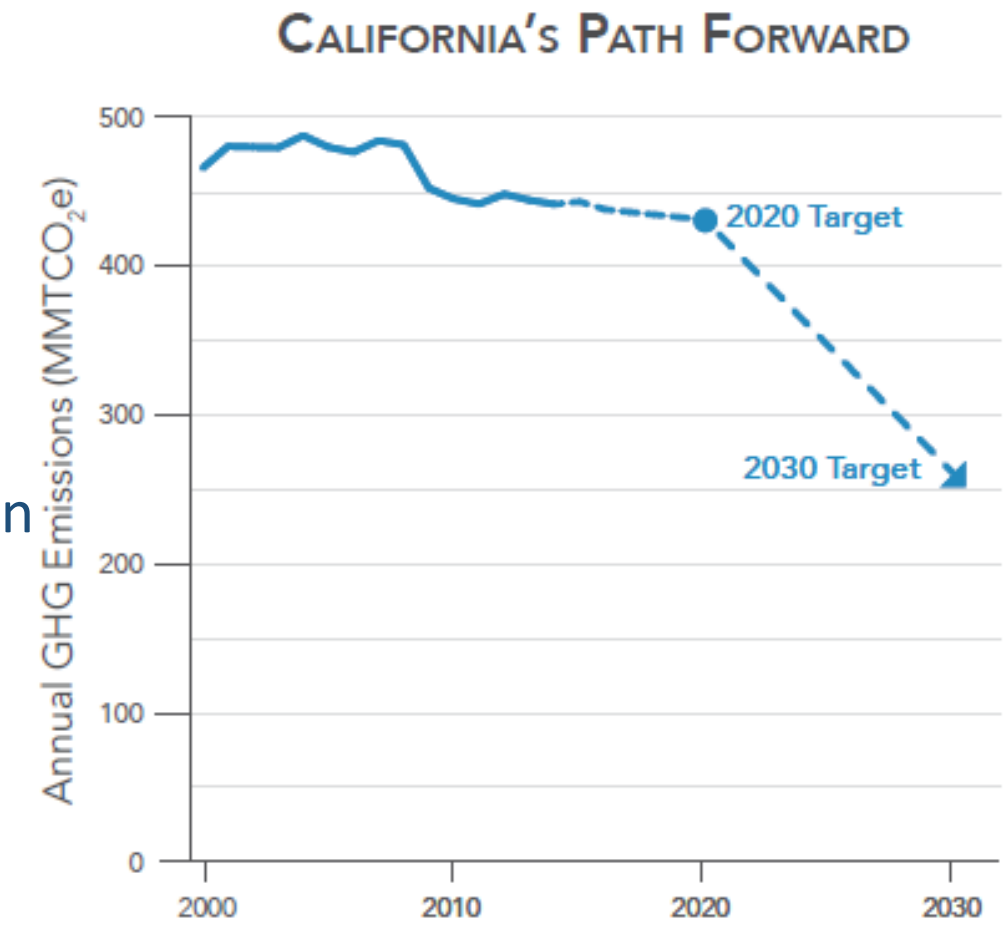
Community Emissions by Sector	Residential	Commercial / Industrial	Transportation	Solid Waste	Wastewater	Total
2005	12,336	10,468	14,844	3,036	76	40,760
2010	13,060	10,618	14,662	1,639	72	40,051
2015	9,687	8,001	8,169	1,527	74	27,458
% change 2005- 2015	-21%	-24%	-45%	-50%	-3%	-33%

#2 – Target Adoptions

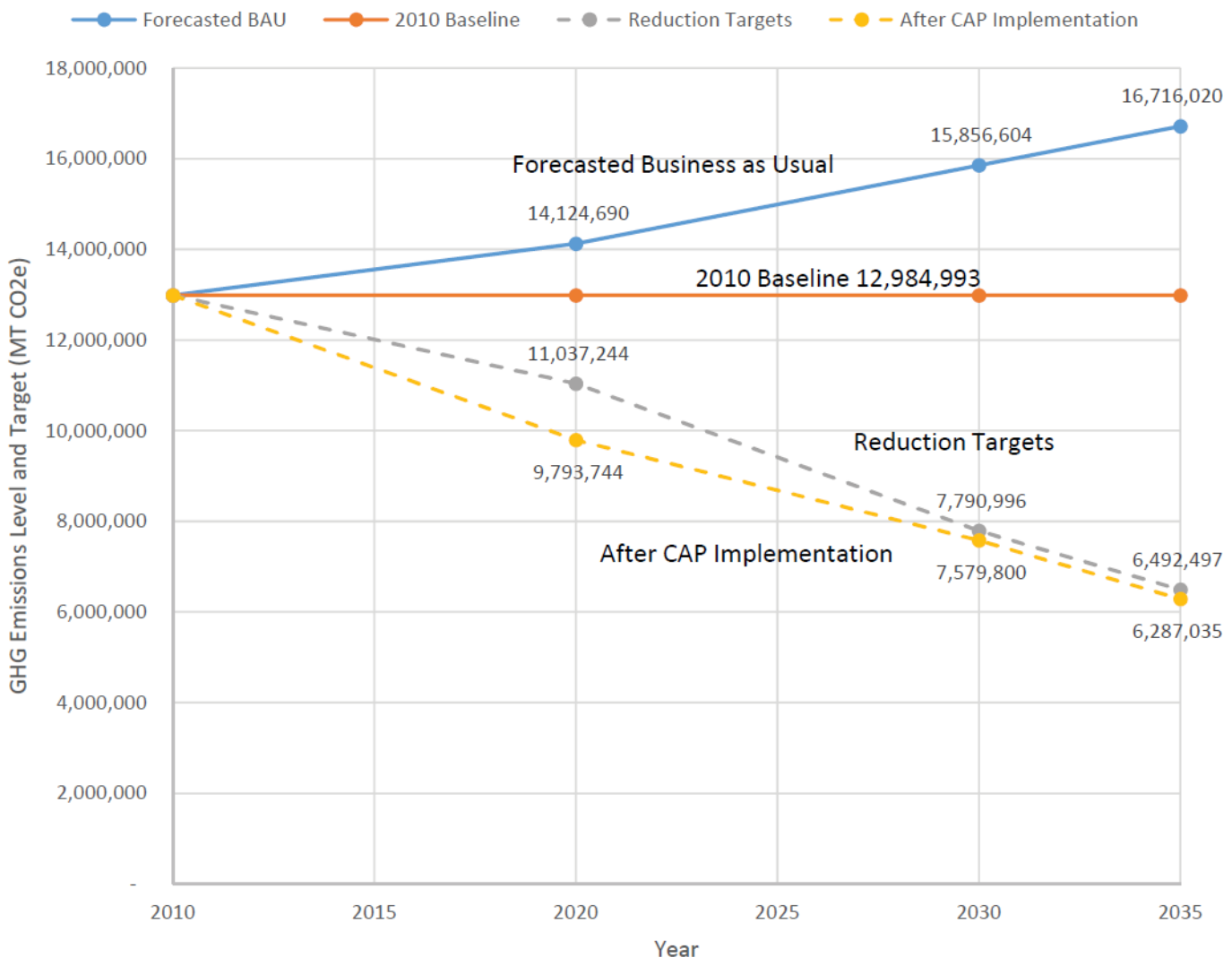
2030 & 2050 Targets

ARB recommendations:

- 6 $MTCO_2e$ per capita by 2030, and;
- 2 $MTCO_2e$ per capita by 2050, or;
- Setting a mass reduction target for local government's service population



#3 – Emission Forecasting



#4 – Strategy Selection

GREEN
CALIFORNIA GREEN BUSINESS NETWORK
MONTEREY BAY AREA

Sample Strategies

- Complete Streets & Bike/Ped infrastructure
- Electric Vehicles
- Green Building Design
- Green Business Promotion
- Open Space preservation
- Renewable energy
- Transportation Demand Management

#5 – Funding & Implementation

- Identify funding opportunities to cover or supplement proposed strategies (from #4)
  - Grants
  - Loans
  - Rebates
  - Tax incentives

City of San Diego

STRATEGY 2: CLEAN & RENEWABLE ENERGY

GOAL:

Increase municipal zero emissions vehicles.

ACTION 2.2: **PHASE 1**

Present to City Council for consideration an update to City Administrative Regulation 90.73 to increase the number of municipal zero emissions vehicles.

TARGET:

Increase the number of zero emissions vehicles in the municipal fleet to 50% by 2020 and 90% by 2035.

GHG REDUCTIONS:

2020	2035
12,144 MT/CO_2e	21,859 MT/CO_2e

#6 – Monitor & Track Progress

City of San Diego

TABLE 3 2017 AND 2018 PER CAPITA GHG EMISSIONS (MT CO_2E PER CAPITA)

Year	2010 Baseline* (reported in the CAP)	2017 (reported in 2018 Annual Report)	2017 Revised**	2018	2017 Revised – 2018 % Changes
Total emissions (Million MT CO_2e)	13.0	10.2	10.2	9.8	-3.0%
Total Population	1,301,617	1,399,924	1,399,924	1,419,845	1.4%
Per capita GHG emissions (MT CO_2e per capita)	10.0	7.3	7.3	6.9	-4.4%

*The methods, data availability, and sources used to calculate GHG emissions have been updated since the development of 2010 emissions inventory **Revised values reflect updated information from sources.

MT CO_2e = metric tons of carbon dioxide equivalent

Per capita emissions based on five emission categories only and cannot be compared with California statewide per capita emissions or per capita emissions targets.

2017 revised and 2018 population are based on SANDAG's Demographic & Socio-Economic Estimates (May 25, 2019 version).

Energy Policy Initiatives Center 2019