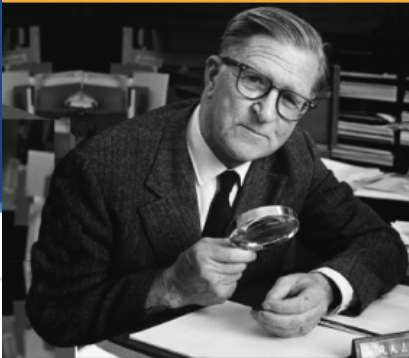


Protecting and Advancing California's Climate and Air Quality Leadership

March 17, 2017

LEADERSHIP



PROGRESS



INNOVATION

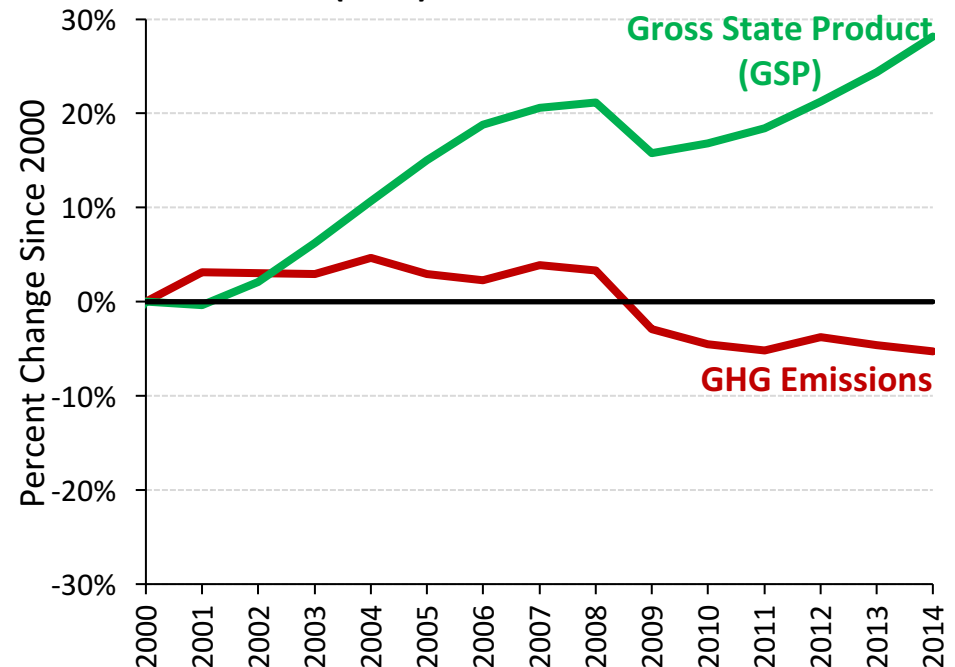


50 YEARS • CALIFORNIA AIR RESOURCES BOARD

On-Track to Meet 2020 Climate Commitments

- On-track to meet 2020 commitments
- **100%** of covered entities complied with cap-and-trade requirements
- Over **\$3 billion** appropriated for climate investments

Trends in California's Economy, and Greenhouse Gas (GHG) Emissions Since 2000



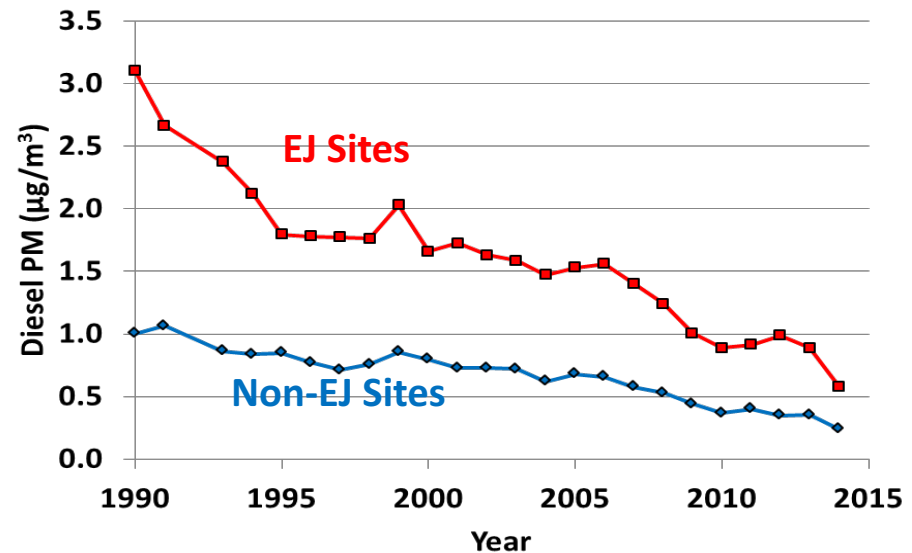
Expanded Climate Actions

- California legislation
 - ❑ SB 32 – Establishes 2030 midterm GHG target
 - ❑ AB 197 – Focus on multi-pollutant strategies/increased transparency
 - ❑ SB 1383 – Sets Short Lived Climate Pollutant strategy targets
 - ❑ AB 1550 – GHG investment plan for disadvantaged communities
- U.S. EPA adopts Phase 2 GHG standards for heavy-duty trucks
- International actions
 - ❑ Kigali agreements
 - ❑ International ZEV Alliance
 - ❑ Under 2 MOU



Progress in Meeting Air Quality and Toxics Goals

- EPA attainment determinations
 - ❑ San Joaquin Valley 1-hour ozone
 - ❑ San Luis Obispo and Mariposa 8-hour ozone
 - ❑ Imperial 24-hour PM_{2.5}
- Diesel cancer risk decreased nearly 70% since 1990
- Greatest diesel PM reduction at monitors in EJ communities



Deployment of Cleaner Technologies

- Over 265,000 ZEVs and PHEVs on the road
- 30 EV models now available – 6 with over 200 mile range
- Over 13,000 EV charging stations, 25 retail hydrogen stations
- Demo projects of cleaner technology trucks/equipment at ports
- Solar generation has more than doubled since 2013



Looking Forward

A unified vision for transformation



2017 – A Key Year for ARB

- Integration of strategies to meet air quality, toxics, and climate goals
- Identification of strategic investments to facilitate transformation
- Ensuring benefits in disadvantaged communities
- Interfacing with new federal administration



Integrated Planning Efforts

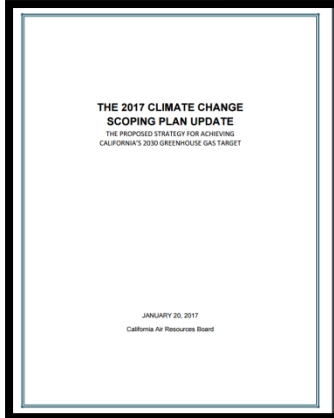
**Climate
Change 2030
Target
Scoping Plan**

**Statewide SIP
Strategy**

**Short-Lived
Climate
Pollutant
Reduction
Strategy**

**Federal Clean
Power Plan
Rules**

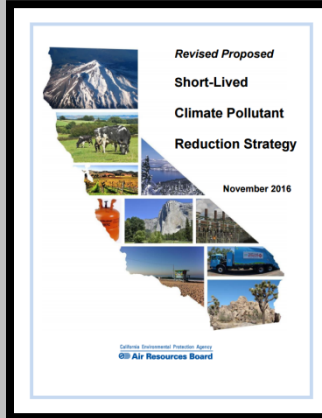
**Update SB 375
Targets**



June 2017



March 2017



Spring 2017



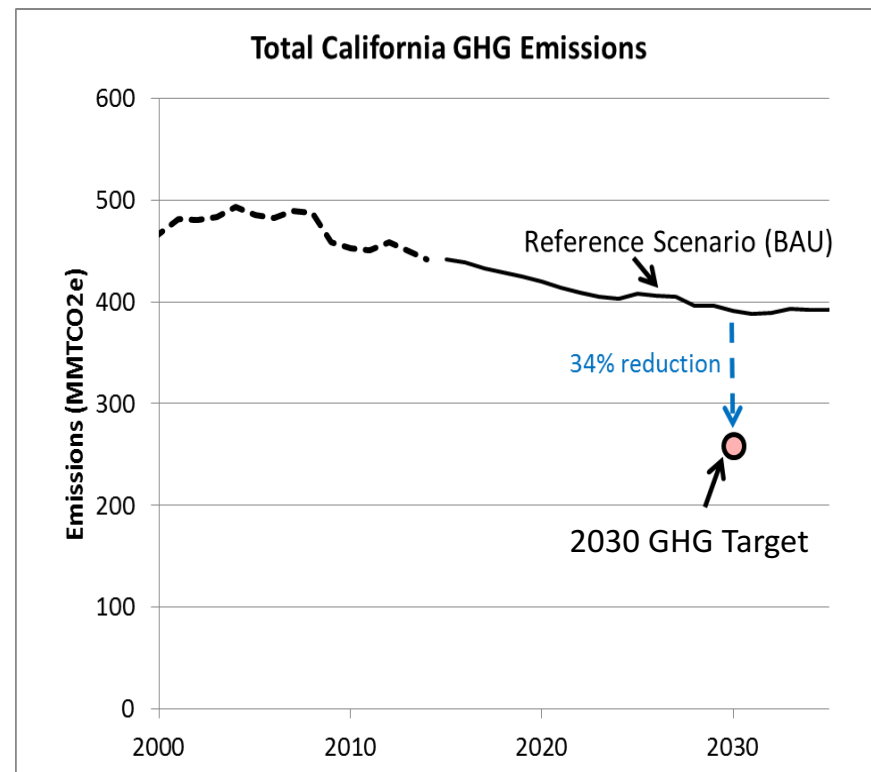
**Anticipated in
2017**



Summer 2017

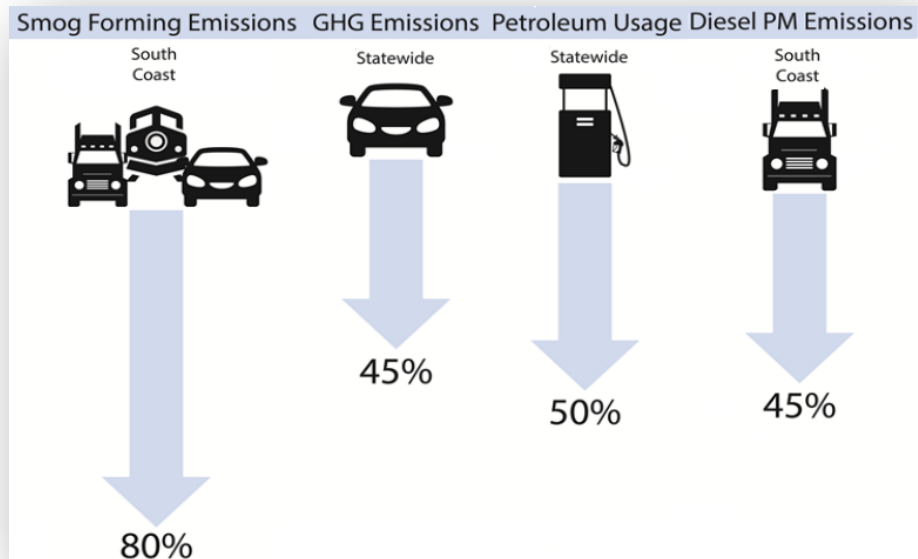
Meeting Post 2020 Climate Goals

- Finalize 2017 Scoping Plan Update to reflect SB 32 2030 target
- Implement actions identified in Short Lived Climate Pollutant Strategy
- Initiate and enhance existing programs such as Cap & Trade and LCFS
- Partner with districts to reduce GHG's and criteria/TAC's
- Integrate EJAC recommendations into programs



Attaining Air Quality Standards

- Over 12 million Californians still breathing unhealthy air
- Key challenges:
 - ❑ South Coast ozone
 - ❑ San Joaquin Valley PM_{2.5}
- Need 80 percent reduction in NO_x by 2031 to meet ozone standard in South Coast



Reducing Toxics and Health Risk

- Enhance ARB's air toxics program in light of new evidence on health impacts of exposure to air toxics
- Implementation of actions in Sustainable Freight Action Plan
- Identify opportunities for direct emission reductions under AB 197

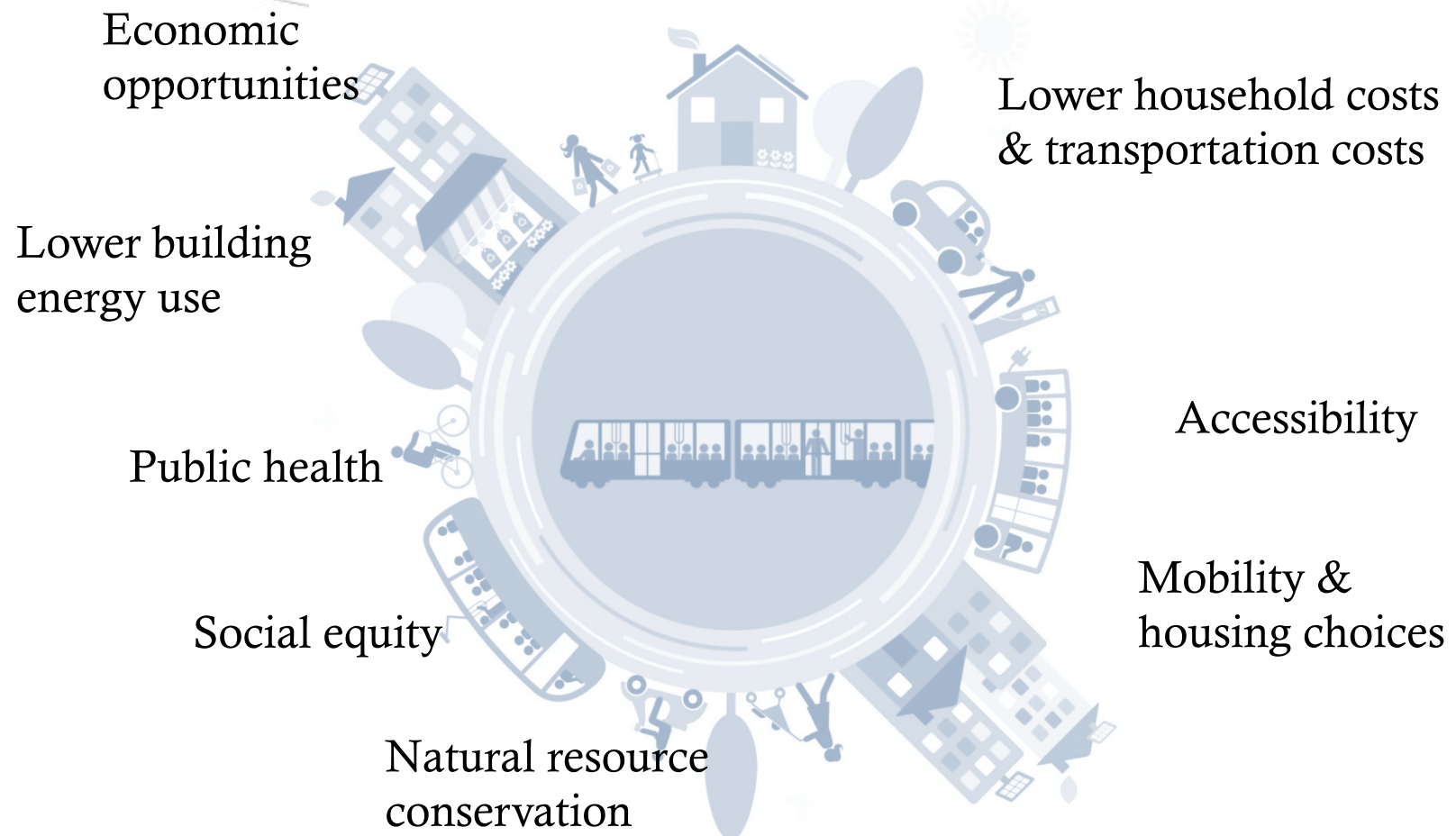


Investing in the Transformation

- Defining and prioritizing funding needs
- Focused funding in low-income/disadvantaged communities
- Encouraging innovative funding sources and approaches
- Rulemakings to advance cleaner, advanced technologies.



Investing in Our Communities



Climate Action through Local and Regional Planning


- Local land use decisions play a critical role in reducing GHGs
- Many cities and counties have already developed Climate Action Plans
- Local government community-wide GHG reduction goals
 - 6 MMT CO₂e by 2030, and 2 MMT CO₂e by 2050 - consistent with Under 2 MOU
- SB 375 regional per capita GHG reduction targets

Supporting Local Action

CoolCalifornia.org

Reduce Carbon Footprint For... Progress & Success Find Funding & Resources Info

CARBON CALCULATOR




Choose Your Calculator

Calculate your carbon footprint to see how you compare to similar Households or Businesses and find out how to make reductions.


For Schools and Government Agencies, we compiled a list of options as well.

Our goal is to provide resources to help all Californians reduce their environmental impact and be part of the climate change solution.




Household

Tip, stories, a calculator and more especially for you.




Local Government

Climate action planning, financial resources, and success stories for local governments.



Schools

Climate change curriculum, actions, and more to help schools!



Small Business

Award program, case studies, a calculator and more!

Climate Tools

cal-adapt

Exploring California's Climate Change Research

Cal-Adapt provides a view of how climate change might affect California.

Here you will find tools, climate data, and resources to conduct research, develop adaptation plans and build applications.

Subscribe to the Cal-Adapt newsletter for updates on Cal-Adapt and California climate news and events. [Subscribe](#)



Supporting California Local Governments

SEEC provides no-cost resources to support the energy and climate initiatives of California Local Governments

[Learn More](#)

[Sign Up](#)

Forging Ahead with Our Commitments

- Commitment to the highest technical standards to ensure all Californians have healthy air
- Build on efforts that enforce strong emissions standards, promote advanced technology vehicles, and support transition to clean, renewable energy
- Continue to provide national and international leadership and look for opportunities to partner with US EPA
- Maintain ARB's authority to set vehicle emission standards that lead the nation

Focus on Environmental Justice

- Continue expanding outreach and enforcement
- Recommendations on eliminating barriers to zero emission transportation
- Incorporate disadvantaged communities and low-income investment requirements into funding programs
- Integrate environmental justice considerations throughout agency/programs
- Appointment of Assistant Executive Officer for Environmental Justice



Expanded Partnerships



California Strategic Growth Council



Public Private Partnerships



International Efforts



California Agreements with States and Regions throughout the World



Reinforcing California's Leadership

- Build on success to date as we move forward over next 50 years
- Continue to lead at state, national, and international levels
- Demonstrate clean air and a thriving economy go hand in hand

