

California Environmental Protection Agency

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# 2017 Program Priorities

January 27, 2017

# Outline

- 50<sup>th</sup> Anniversary of Air Resources Board
- Reflect on 2016 Achievements
- Priorities and Objectives for 2017
- Key Actions

# Five Decades of Environmental Stewardship

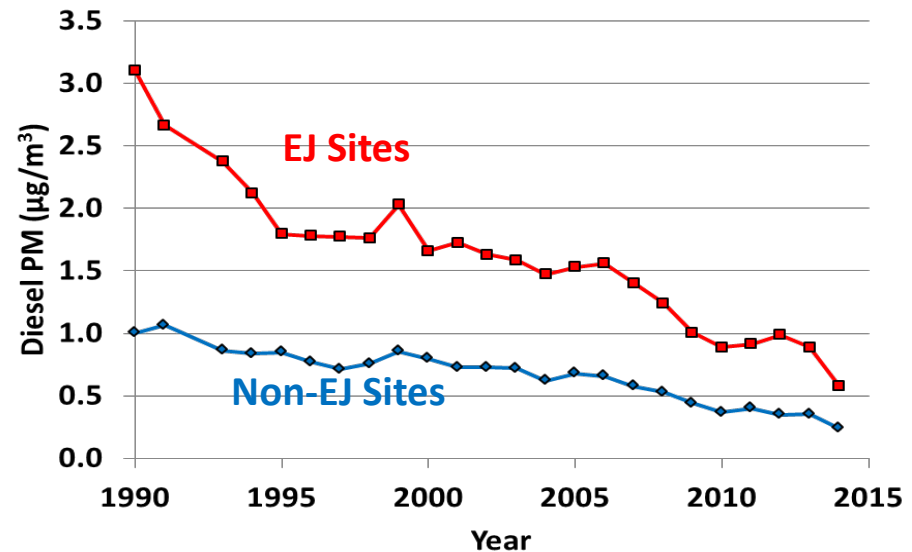
- 2017 marks CARB's 50<sup>th</sup> anniversary
- Developing events and communication products featuring our success over last 50 years
- Groundbreaking for new laboratory in Riverside
- Enhancing of CARB's website



# Reflect on 2016 Achievements

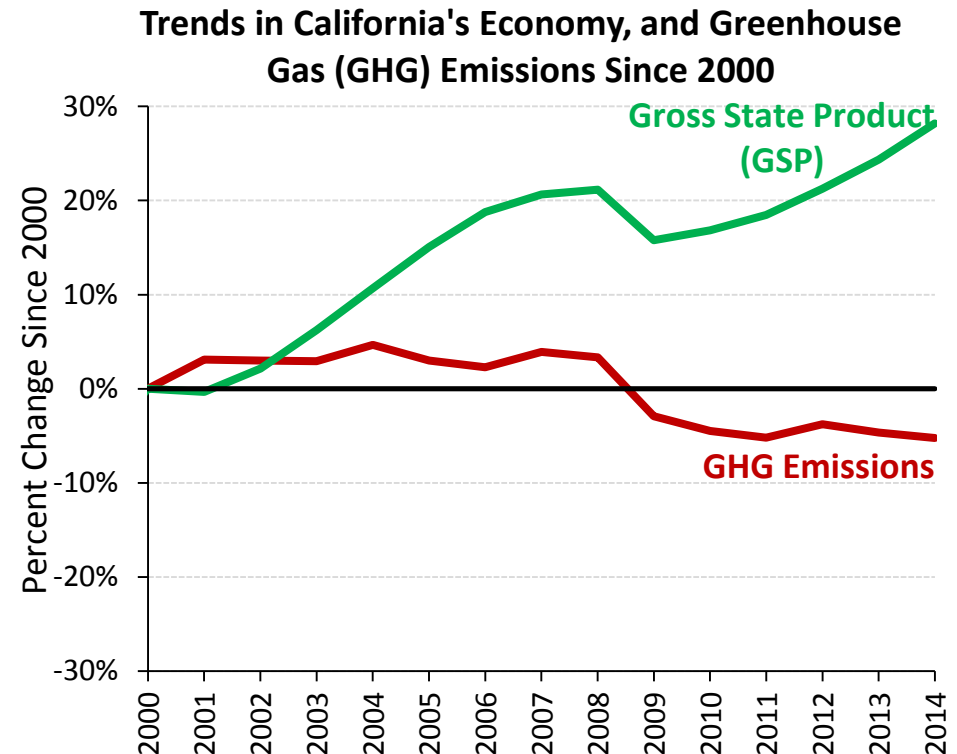
# Progress in Meeting Air Quality and Toxics Goals

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



# 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





# 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



# 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





# Focus on Public Health Protection

- Enhanced outreach and enforcement in disadvantaged communities
- Begin implementation of the California Sustainable Freight Action Plan
- U.S. EPA commitment to low NO<sub>x</sub> engine standard in response to CARB efforts and district petitions
- Over \$700 million in incentive funding



# Local Investments

- State incentive programs have supported District investments in cleaner technologies
  - ❑ 30 Tier 4 engines funded statewide
  - ❑ 13 electric transit buses in the South Coast
  - ❑ 86 electric airport ground support units in the Bay Area
  - ❑ 15 transit buses in the San Joaquin Valley
  - ❑ 29 school buses in the Sacramento Metro area



# Ensuring Reductions and Compliance in the Real World

- VW represents landmark enforcement settlement
- Expanded testing programs have recently found violations for other manufacturers
- Highlights need for improved certification and enforcement
- New Southern California facility will ensure we have the necessary tools



# New Laboratory Facility in Southern California

- Funding for new facility included in proposed FY 17-18 budget
- Escrow closed on Riverside site
- Employee transition support ongoing
- Project development activities underway





# Priorities for 2017

A unified vision for transformation



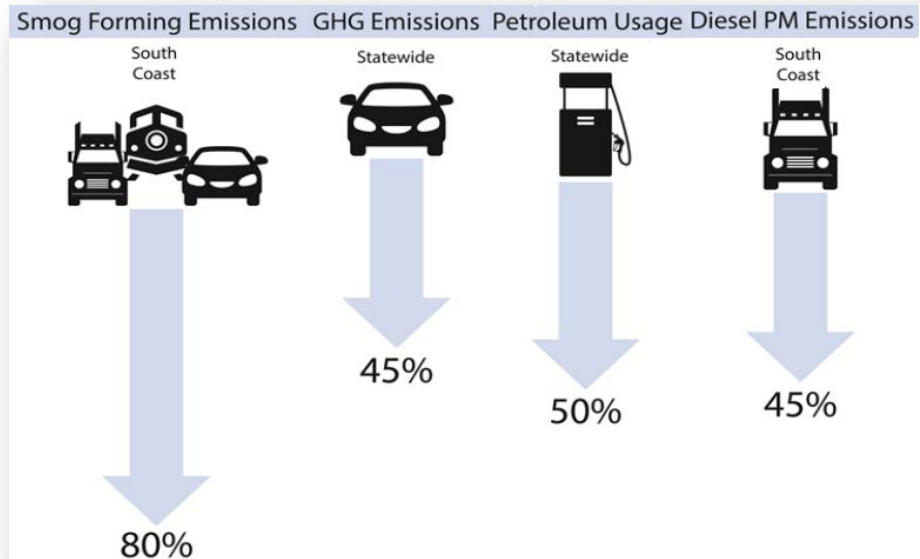
# 2017 – A Key Year for ARB

- 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



# Attaining Air Quality Standards

- Over 12 million Californians still breathing unhealthy air
- Key challenges:
  - ❑ South Coast ozone
  - ❑ San Joaquin Valley PM<sub>2.5</sub>
- Need 80 percent reduction in NO<sub>x</sub> by 2031 to meet ozone standard in South Coast



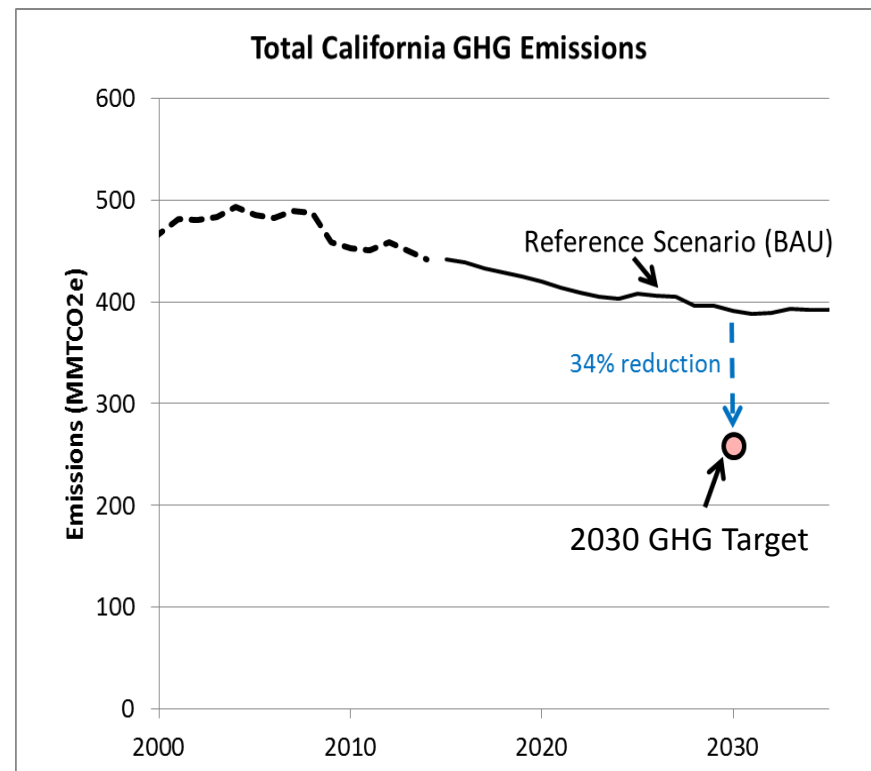
# Reducing Toxics and Health Risk

- 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



# 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



# Investing in the Transformation

- Defining and prioritizing funding needs
- Focused funding in low-income/disadvantaged communities
  - ❑ AB 1550, SB 350 and SB 535
- Encouraging innovative funding sources and approaches





# 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

# Key Actions

Translating goals into actions

# Transforming Priorities into Actions

## Comprehensive Board agenda in 2017

- ❑ Air quality and climate plans
- ❑ Regulatory measures
- ❑ Funding for strategic investments
- ❑ VW mitigation plans

# Integrated Planning Efforts

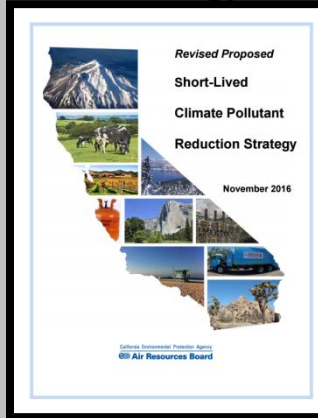
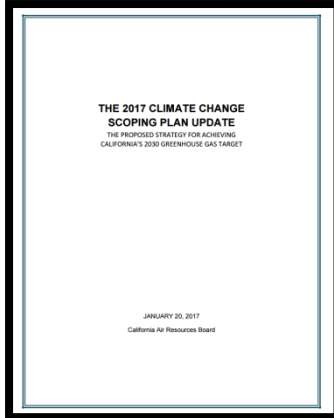
**Climate  
Change 2030  
Target  
Scoping Plan**

**Statewide SIP  
Strategy**

**Short-Lived  
Climate  
Pollutant  
Reduction  
Strategy**

**Federal Clean  
Power Plan  
Rules**

**Update SB 375  
Targets**



**Proposed : Jan 2017  
Final: Spring 2017**

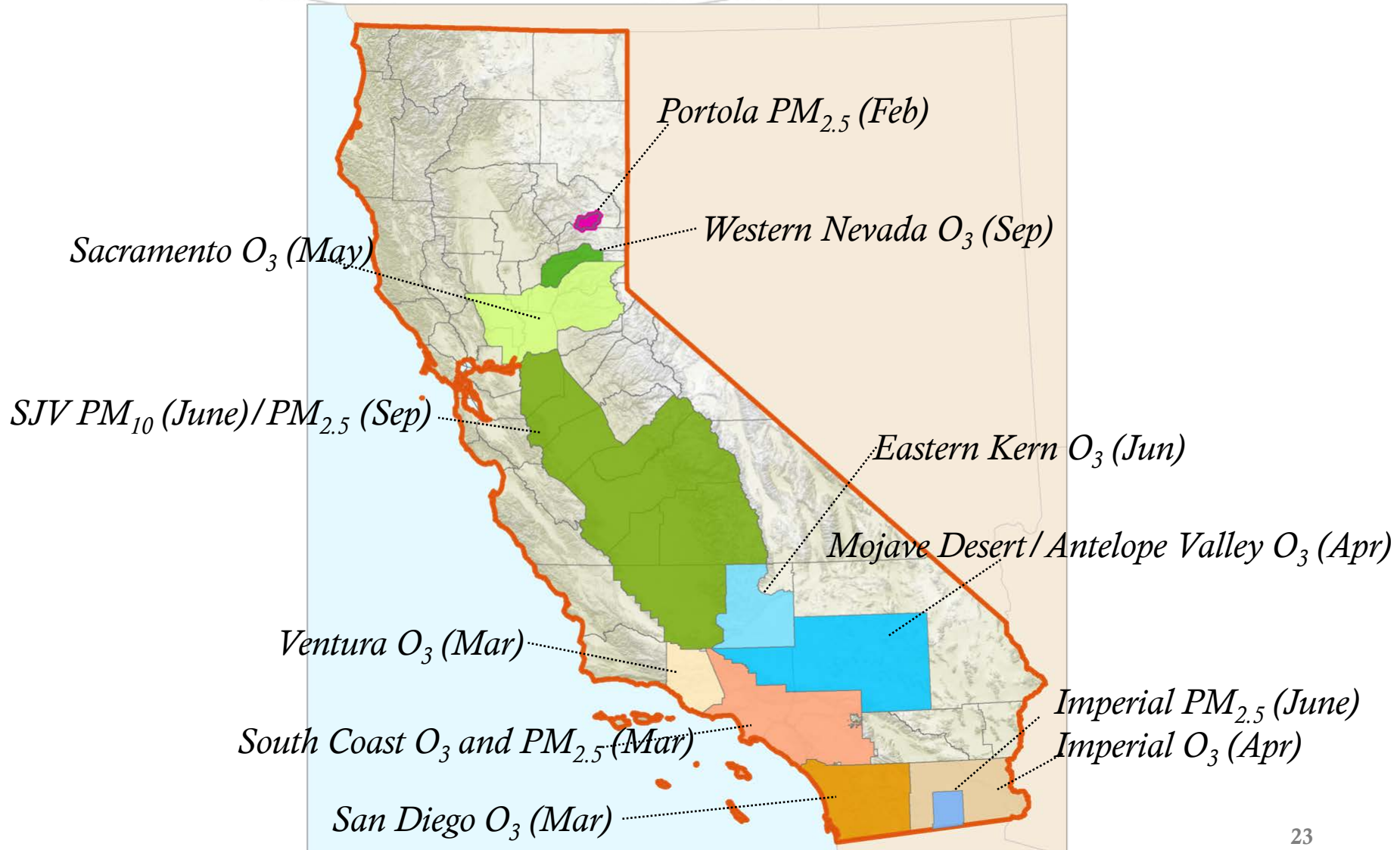
**March 2017**

**Spring 2017**

**Anticipated in  
2017**

**Summer 2017**

# Board Action on State Implementation Plans





# Board Action on Regulatory Measures

- Midterm review of Advanced Clean Cars
- Heavy-Duty Phase 2 GHG Standards
- Cap and Trade Amendments
- Warranty and Opacity Requirements
- Amendments to Portable Equipment ATCM



# Setting the Foundation for Future Regulations

- Post-2025 Clean Car Standards
- Heavy-Duty Low NOx Engine Standards
- HD Inspection/Maintenance Program
- Last Mile Delivery
- Cleaner Transit System



# Focusing 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



# VW Funding Plan Mitigation and Penalties

- 2.0 L Consent Decree: ~\$1.2B in CA
  - ❑ \$800M for ZEV initiatives
    - ❖ Transportation electrification and access to ZEVs for low-income/disadvantaged communities
  - ❑ \$381M for projects to reduce smog-producing pollution
    - ❖ Incentives for clean heavy duty equipment in disadvantaged communities
- 3.0 L Consent Decree:
  - ❑ \$41.4M in CA to address the additional NOx emissions
  - ❑ \$25M to support ZEV availability in low-income communities
- \$153.8M in penalties and reimbursement of costs





# Continued Partnerships

- State and federal government
- Air districts
- Private sector
- Regional and local governments
- State agencies
- Other nations





# 2017 – 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

