



CALIFORNIA
AIR RESOURCES BOARD

Clearing California Skies for 50 Years

2018 PROGRAM PRIORITIES

FEBRUARY 8, 2018

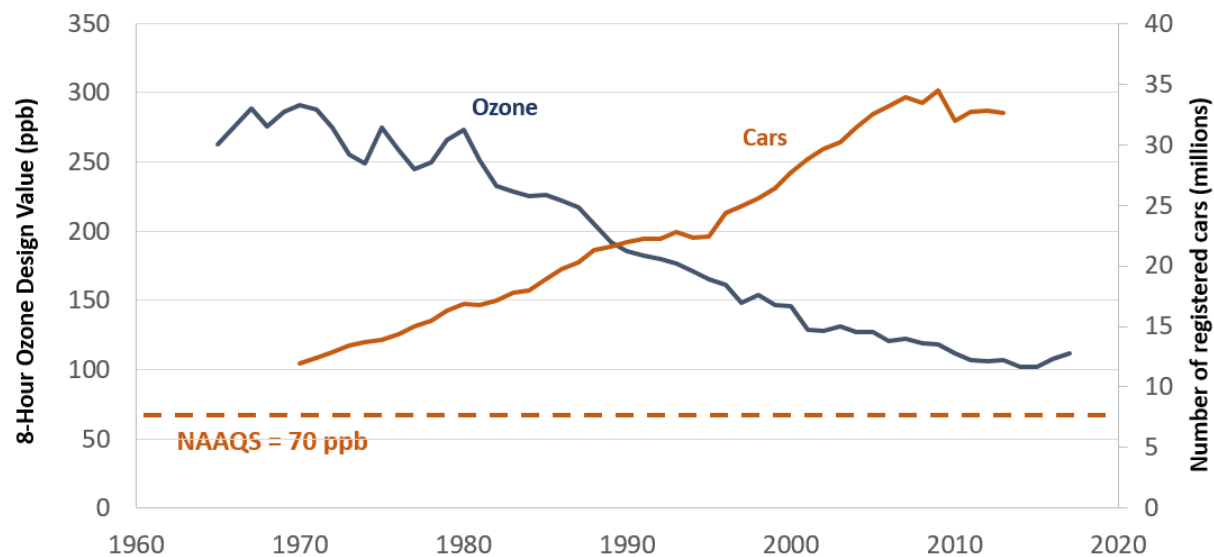


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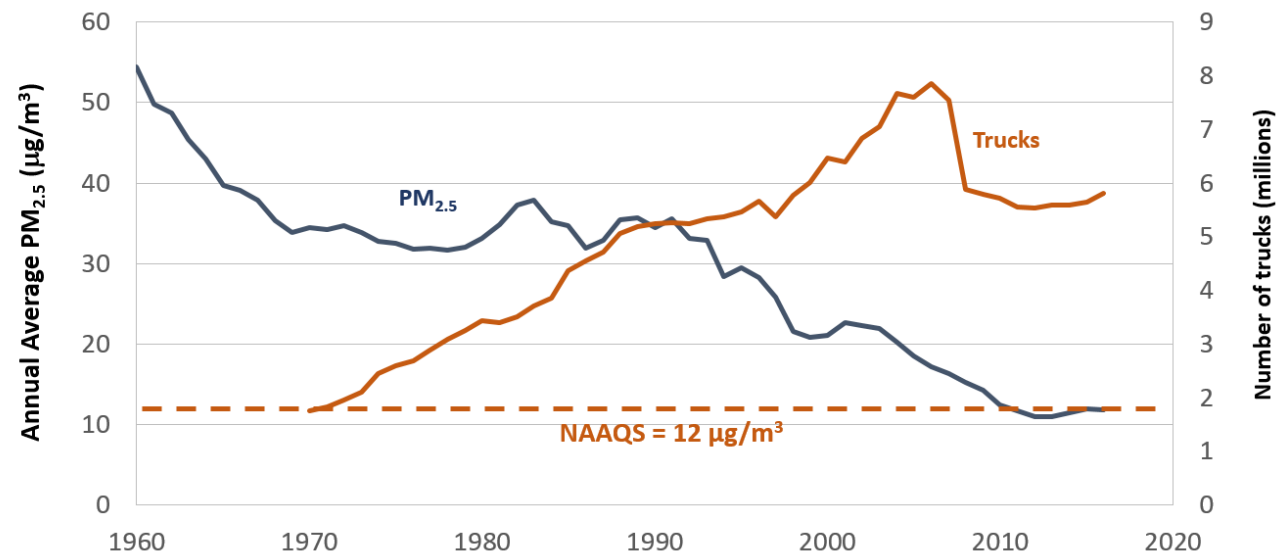
REFLECTIONS ON ACHIEVEMENTS IN 2017

5 DECADES OF AIR QUALITY SUCCESSES

Ozone in Los Angeles

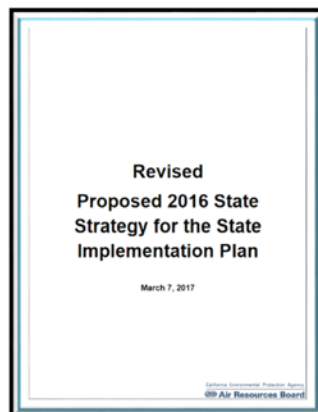


Fine Particles (PM_{2.5}) in Los Angeles



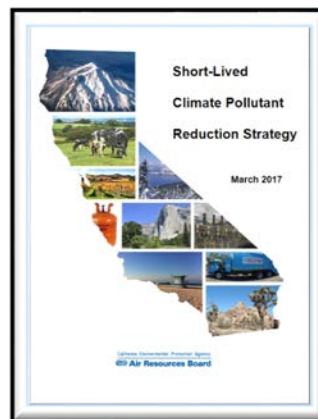
INTEGRATED STRATEGIES TO MEET AIR QUALITY, TOXICS, AND CLIMATE GOALS

March 2017



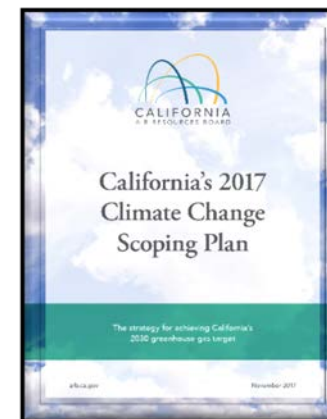
State SIP Strategy

March 2017



Short-Lived Climate Pollutant Reduction Strategy

December 2017



2017 Climate Change Scoping Plan

KEY LEGISLATION

AB 398

- Provides guidance on AB 32 Scoping Plan to achieve 2030 targets
- Specifies direction on post-2020 Cap-and-Trade program
- Adds advisory and legislative oversight roles

AB 617

- Action framework to address cumulative impacts of air pollution at community level
- Emphasizes community participation
- Builds on existing programs



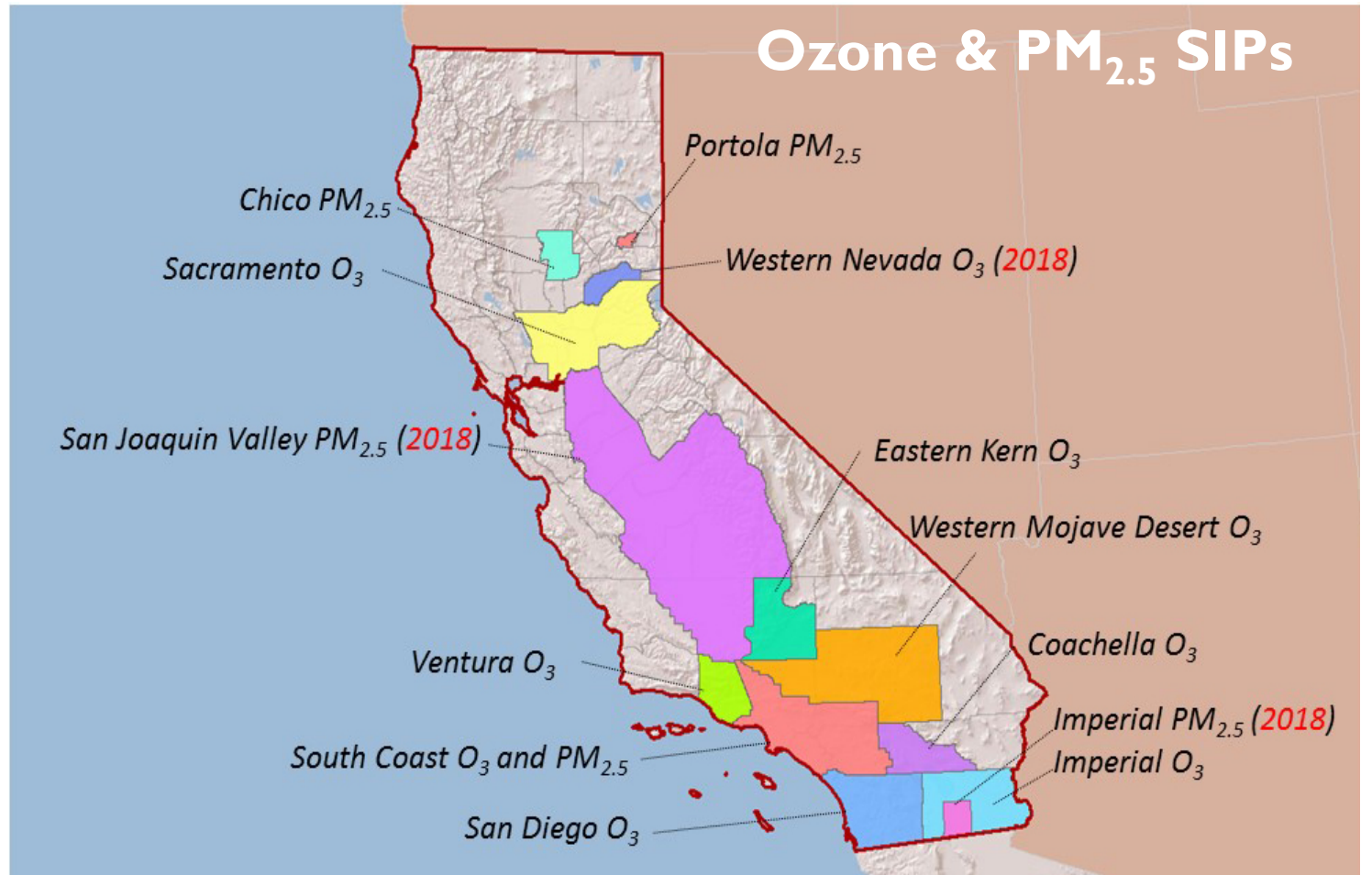
PROGRESS IN MEETING AIR QUALITY STANDARDS

11 Ozone and PM_{2.5} State Implementation Plans (SIPs) adopted

7 SIPs approved by U.S. Environmental Protection Agency (U.S. EPA)

33 District Rules submitted to U.S. EPA

18 District Rules approved by U.S. EPA



EXPANDED CLIMATE ACTIONS

- Scoping Plan Update: Strategy to Achieve the State's 2030 Target
- Short-Lived Climate Pollutant (SLCP) Strategy
- Dairy Working Groups
- Organics Diversion: collaboration with CalRecycle & Air Districts
- Oil & Gas Regulation
- More than \$6.1 Billion California Climate Investments to date



FOCUS ON ENVIRONMENTAL JUSTICE COMMUNITIES

- Established the Office of Community Air Protection
- Expanded community engagement
- Prioritized climate investments
- Improved access to clean transportation
- Enhanced enforcement efforts
- Provided recommendations for air monitoring near refineries



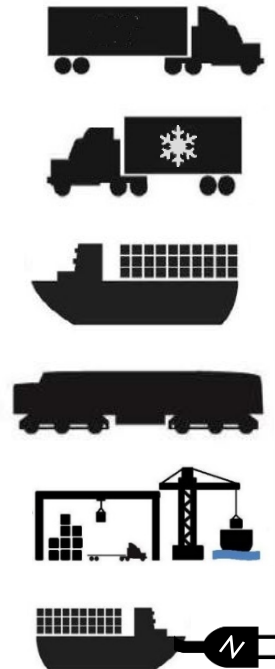
SIGNIFICANT INVESTMENTS IN CLEAN TECHNOLOGIES

- \$663 Million for advanced technology vehicles and freight equipment
- New Moving California website highlights funding opportunities
- Supplemental Environmental Projects
 - Funded 15 projects totaling \$2.5 Million



REDUCED EMISSIONS FROM FREIGHT SYSTEM

- Cut PM and NO_x Emissions through equipment replacement and upgrade
- Ports and diesel enforcement
- Implementation of California Sustainable Freight Action Plan



2008-2017

Replaced or Upgraded:

38,000 Trucks

10,000 Transport Refrigeration Units

300 Marine Vessels

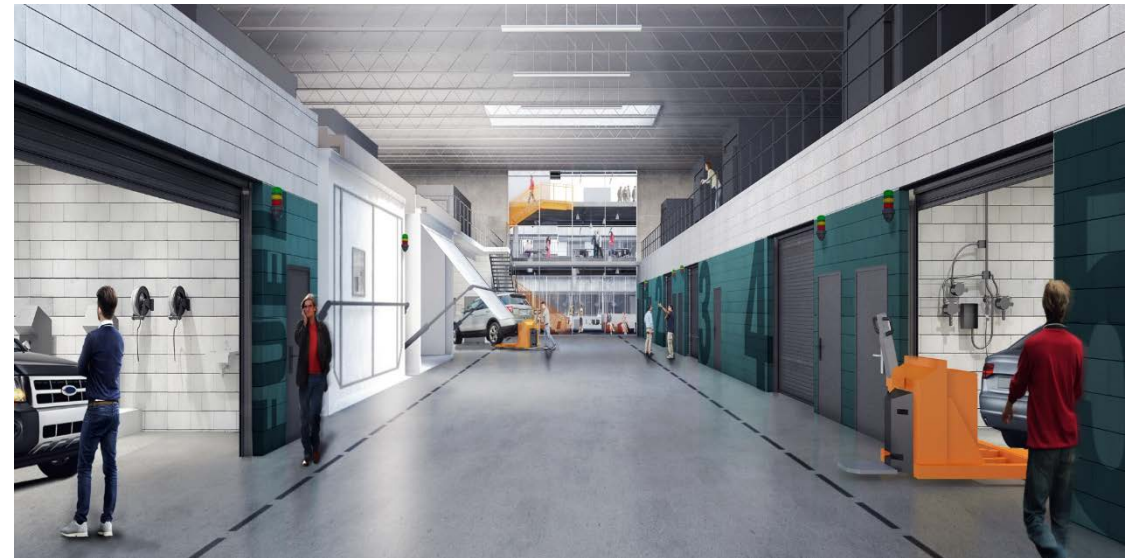
160 Locomotives

128 Cargo Handling Equipment

37 Berths: Shorepower for Ships

NEW LABORATORY FACILITY IN SOUTHERN CALIFORNIA

- Selected design-build contractor
- Groundbreaking in October 2017
- Anticipated move in early 2021



NEW LABORATORY FACILITY IN SOUTHERN CALIFORNIA

California Department
of General Services

AIR 

RESOURCES

BOARD Southern California Consolidation Project

 **HENSEL PHELPS**
Plan. Build. Manage.

| ZGF |

 **AEI** Affiliated
Engineers

▶ 0:00:00   

SAFEGUARDING CLEAN AIR IN AN UNCERTAIN TIME

- Litigation and administrative advocacy to defend major federal initiatives
 - Federal Vehicle Programs
 - Clean Power Plan
 - Federal Ozone Standards
 - Methane Standards for Oil and Gas
- Continued technical collaboration with U.S. EPA





PRIORITIES FOR 2018

ESTABLISHING A COMMUNITY FOCUSED FRAMEWORK FOR AIR PROTECTION

Community Air Protection Program (CAPP) Framework and Planning Documents

- Concept Paper
February
- Draft for public comments
May
- Final Draft
August
- Board consideration
September

Selection of 2018 Communities

- Draft Process & Criteria for 2018 Community Selections document
February
- Air districts recommend communities
July
- CARB community recommendations
August
- Board consideration
September

On-Going Public Engagement

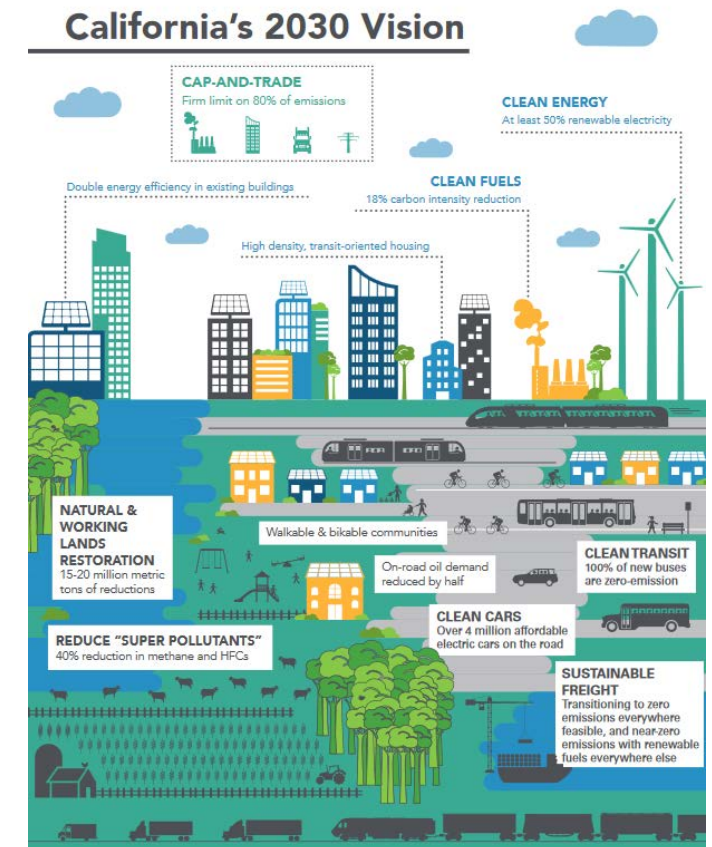
- Establish Consultation Group
January
- Regional Public Summits
February
- Public workshops
June
- Community meetings
Ongoing
- Other Outreach
Ongoing

Additional Implementation Elements

- Create Community Assistance and Innovative Resource (AIR) Grants Program
- Administer incentive funding
- Develop Technology Clearinghouse
- Develop statewide emissions reporting system

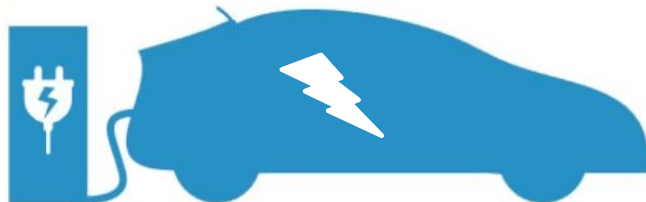
FORGING AHEAD ON MEETING CLIMATE GOALS

- Implement the Scoping Plan
 - Cap-and-Trade Program – amend to conform to AB 398
 - Low Carbon Fuel Standard – increase stringency
 - SB 350 Integrated Resource Plans for the Electricity Sector
 - Natural & Working Lands: implementation plan, inventory, and projections
- Short-Lived Climate Pollutant (SLCP)
- Update SB 375 regional greenhouse gas (GHG) targets



MOVING AHEAD WITH CLEANER CARS AND LOW-CARBON FUELS

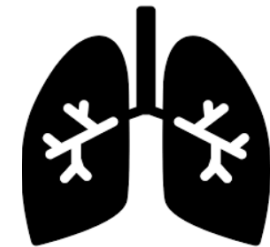
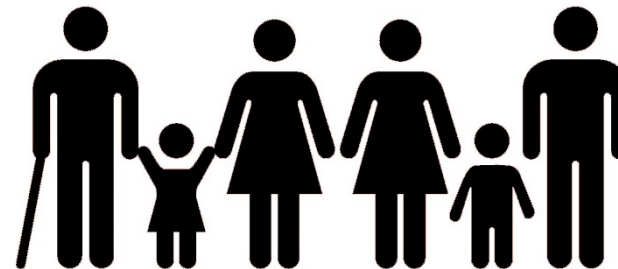
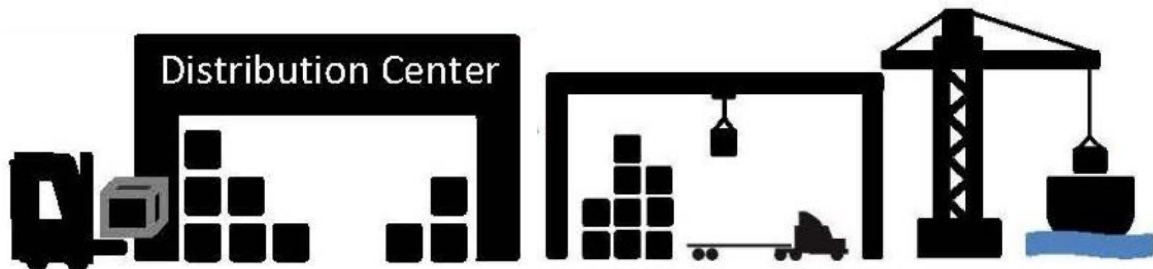
- Advanced Clean Cars II Regulation
- Electric Car (EV) charging infrastructure
- Outreach and education for zero-emission-vehicle (ZEV) buyers
- Continue to investigate and enforce compliance
- Low Carbon Fuel Standard (LCFS)



TRANSFORMING THE FREIGHT SYSTEM AND REDUCING LOCALIZED HEALTH RISKS

- Heavy Duty Vehicles: rulemaking and incentives
- Freight Equipment: regulations and incentives
- Freight Handbook: support community air protection

- Health risk assessment guidance for gas stations
- Reduce hexavalent chromium and other toxic metals





CALENDAR OF KEY BOARD ACTIONS

SPRING & SUMMER 2018 REGULATORY ACTIONS

- Replica Car Regulations
- Clean Cars 4 All / Enhanced Fleet Modernization Program
- On-Road Heavy-Duty (HD) Emission Control System Warranty
- HD Vehicle Inspection Program
- Periodic Smoke Inspection Program
- Innovative Clean Transit
- Zero-Emission Airport Shuttle Buses
- Zero-Emission Powertrain Certification Procedures
- HFC Prohibitions in Stationary Refrigeration and Foam End-Uses
- Consumer Products
- Fuel Cell Net Energy Metering GHG Standards
- Low Carbon Fuel Standard
- Phase II Enhanced Vapor Recovery for Gas Stations

FALL & WINTER 2018 REGULATORY ACTIONS

- EV Charging
- Specifications for Motor Vehicle Fuel Tanks
- Red Sticker Program
- HD On-Board Diagnostics
- Advanced Clean Local Truck Regulation
- Zero-Emission Airport Ground Support Equipment
- Gas Station Overpressure
- Mandatory GHG Reporting
- Cap-and-Trade
- SF6 from Gas Insulated Switchgear Regulation
- Air Cleaner Regulation



OTHER BOARD ITEMS

- Community Air Protection: community selection, statewide strategy, air monitoring plan
- SB 375 GHG Reduction Targets
- San Joaquin Valley PM_{2.5} SIP
- Incentives and investments for clean technologies and disadvantaged communities
- Triennial Research Plan

CONTINUING 50 YEARS OF NATIONAL AND GLOBAL LEADERSHIP

- Under2MOU, Climate & Forests Task Force, Pacific Coast Collaborative, US Climate Alliance, Western Climate Initiative
- Local Air Districts
- Governor's Global Climate Action Summit

Collaborative Research

NASA & Google	Satellite data
Google, Environmental Defense Fund, Bay Area AQMD, UC Berkeley	Community-scale air quality study with mobile sensors
Jet Propulsion Lab, Lawrence-Berkeley National Lab	Remote sensing technologies for facility emissions

BOARD MEMBER LEADERSHIP

Board member guidance, direction, and engagement is integral to the success of our programs

