

California Environmental Protection Agency

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# Report to the Board on 2015 Program Priorities

January 29, 2015

# Outline

- Building on 2014 Accomplishments
- Planning for the Future
- Key 2015 Activities



# Building on 2014 Accomplishments



# Continued Progress Toward Clean Air Goals

- Statewide Ozone Precursor Emissions Reduced by 50% Over the Past 20 Years
- Diesel Particulate Matter Emissions Reduced by Over 50% Since 2000
- On Path to 2020 Climate Goals

# Air Quality Accomplishments

- South Coast Attained Annual  $15 \mu\text{g}/\text{m}^3$  PM<sub>2.5</sub> Standard
- 100,000th ZEV Sold in California
- Growing Numbers of ZEV Models, Including First Mass-Produced Fuel Cell Vehicle
- Over \$400M in Incentive Funding



# Climate Accomplishments

- Updated Scoping Plan
- Cap and Trade Linkage with Quebec
- First Cap and Trade Compliance Event
- Fuels Brought Under Cap and Trade Program



# Planning for the Future

# 2015 Planning Efforts Focus on Long-term Goals

- Governor's State of the State Initiatives
- State Implementation Plans
- Scoping Plan
- Short Lived Climate Pollutant Plan
- Sustainable Freight Strategy
- Investment Plan

# Internal Changes to Prepare Organization

- Organizational Changes to Align with Priorities
- Leadership Team in Place
- Strengthen Economics Team/Analysis
- Southern California Facility Modernization

# Organizational Changes

- Realigned Mobile Source and Laboratory Programs
- Created Two New Divisions:
  - Industrial Strategies Division
  - Transportation and Toxics Division
- Reorganized the Enforcement Division
- Established a Chief of the Fuel Cell Program
- Establishing an Economics Advisor to the Executive Office

# Executive Office Leadership

Alberto Ayala  
Deputy Exec. Officer



Edie Chang  
Deputy Exec. Officer



Kurt Karperos  
Deputy Exec. Officer



Ellen Peter  
Chief Counsel



Michael Gibbs  
Assistant. Executive  
Officer



Catherine Dunwoody  
Chief, Fuel Cell  
Program

# Division Management

Erik White  
Mobile Source Control  
Division



Annette Hebert  
Emission Compliance,  
Automotive Regulations  
and Science Division



Michael Benjamin  
Monitoring and  
Laboratory Division



Floyd Vergara  
Industrial Strategies  
Division



Bart Croes  
Research Division



# Division Management

Jim Ryden  
Enforcement Division



Karen Magliano  
Air Quality Planning  
and Science Division



Cynthia Marvin  
Transportation and  
Toxics Division



Steve Grogan  
Office of Information  
Services



Alice Stebbins  
Administrative Support  
Division



# New Southern California Facility

- Critical to Supporting ARB's mission to develop/implement additional motor vehicle strategies
- Funding Included in Governor's Proposed FY 15-16 Budget
- Negotiations on Potential Site Ongoing
- Projected Occupancy: January 1, 2020



# Key 2015 Activities

# Major Plans



# State Implementation Plans

Defines Efforts to Meet Air Quality Standards Over Next 15 Years

- Update Existing Plans
- Develop New 2016 Ozone and PM2.5 Plans
  - Scientific technical foundation
  - Strategy development
  - Update to Board in September

# Climate Planning

## Maps Strategy for Meeting Mid-Term Target on Path to 2050

- Developing Short-lived Climate Pollutant Plan (SB 605)
- Updating Scoping Plan
- Investment Plan



# Sustainable Freight Strategy

## Identifies Strategies to Move California Towards a Zero-Emission Freight System

- Near-Term Actions to Reduce Health-related Freight Impacts
- Coordination Across State Agencies on System Transformation
- Report to the Board in Spring and Fall



# Program Implementation



# Light Duty Vehicles

- ZEV Regulation
- Mid-Term Review
- Hydrogen Infrastructure Network Assessment
- On Board Diagnostics II Regulation



# Heavy Duty Vehicles

- Advancing Heavy-Duty Mobile Technology
- Support Phase 2 GHG regulations
- Certification procedures for innovative technologies
- Strategies for additional NOx reductions
- Continuing Truck and Bus Implementation



# Off-Road Mobile

- Recreational Boats  
Evaporative Emissions  
Regulation
- Off-highway Recreational  
Vehicles Regulation
- Forklifts and Industrial  
Equipment Regulation



# Fuels & Energy

- Low Carbon Fuel Standard
- Alternative Diesel Fuels Regulation
- EPA Clean Power Rule
- Oil and Gas Production, Processing and Storage Regulation
- Natural Gas Pipeline Emissions in Collaboration with PUC



# Sustainable Communities

- Consider MPO Sustainable Communities Strategies (SCS)
- SB 375 Target Updates
  - Emphasize SCS implementation
  - Collaborate with MPOs on target recommendations
  - Ensure sustained emission reductions



# Cap and Trade Implementation

- Offset Protocols
  - Rice cultivation
  - Forest projects
  - Plans to develop additional protocols
- Amendments to Cement Border Adjustment Method
- Compliance Event for Covered Entities



# Incentive Programs

- Cap and Trade Auction Proceeds
  - Finalize funding guidelines
  - Work with partners on development and implementation
- Air Quality Improvement Program and Low Carbon Transportation Funding Plan
- Update Proposition 1B Guidelines and Award Funds

# Environmental Justice Activities

- **Truck & Bus Rule Implementation**
  - Reduce exposure to diesel PM and enhance enforcement in EJ communities
- **Adaptive Management Plan**
  - Assess localized impacts of cap and trade regulation including impacts in EJ communities
- **SB 535 Implementation**
  - Ensure a portion auction proceeds provides benefits to disadvantaged communities
- **Risk Management Guidelines**
  - Provides for health protection of for all including sensitive receptors in disadvantaged communities
- **Freight Strategy**
  - Include near-term actions to reduce health risk in communities near freight hubs

\*Slide added subsequent to the meeting based on the Board's direction

# Partnerships



# National & Local Collaboration

## Air District Partnerships

- SIPs
- Risk Management Guidelines
- Adaptive Management

## National Collaboration

- Phase 2 GHG Regulation for Trucks
- Advanced Clean Cars Midterm Review
- Energy Policy

# International Collaboration

- Build on Partnerships to Advance Air Quality and Climate Goals:
  - China MOU
  - Mexico MOU
  - Pacific Coast Collaborative
- Continuing Efforts as a Subnational Climate leader

# 2015 – A Defining Year for Air Quality and Climate

- Cross-sector Plans and Initiatives
- New Regulatory Programs
- Existing Program Implementation
- Partnerships and Outreach

