

# Ozone State Implementation Plans

## 2011 Proposed SIP Revisions

July 21, 2011

California Environmental Protection Agency

 **Air Resources Board**



# Today's Proposed Action

- Approve ozone SIP revisions for South Coast and San Joaquin Valley
  - Reasonable Further Progress
  - Transportation conformity budgets
  - Calendar and long term strategy update
- Approve minor technical updates to PM2.5 SIP transportation conformity budgets

# Ozone SIP Status



# Ozone SIPs Adopted in 2007

- ARB SIP strategy adopted in 2007
  - Focused on clean-up of existing diesel fleets
  - Clean-up of port-related emission sources
  - Long-term strategy
- South Coast and San Joaquin Valley ozone SIPs adopted in 2007
- 2023 attainment deadline





# Implementation of the Ozone SIPs Began in 2007

- ARB adopted regulations for:
  - Commercial trucks and buses
  - Off-road diesel construction equipment
  - Goods movement
  - Consumer products
  - Smog Check (Bureau of Automotive Repair)
- Districts have adopted the majority of regulations identified in their SIPs



# Need for SIP Revisions

- Similar to April PM<sub>2.5</sub> SIP revision
- EPA approval of ozone SIPs required by December 2011

# Proposed Ozone SIP Revisions



# Proposed SIP Revisions

- Reasonable Further Progress
  - continues to provide progress and contingency
- Ozone transportation conformity budgets
  - revised to reflect adopted regulations
- PM2.5 transportation conformity budgets reflect:
  - EPA action disallowing credit for SJV Indirect Source Review rule
  - South Coast high-emitting vehicle identification program



# ARB Rulemaking Calendar Agricultural Equipment

- Consistent with April 2011 action on PM2.5 SIP calendar
- Calendar aligns this measure with other remaining measures
- All remaining measures will be brought to the Board by 2013
- District and federal incentive programs achieving early reductions

# Long-term Strategy


- SIPs for “Extreme” ozone areas include long-term strategy
- Anticipates development of advanced technologies
- Must be in place by 2020



# Advanced Technologies

- Concepts include:
  - Clean and renewable energy
  - Advanced vehicle technologies
  - Transportation and goods movement system





# Demonstrating Advanced Technologies

- Collaborative efforts to fund technology demonstrations
- Clean Air Technology Initiative
  - EPA, ARB, SJV, SC
- AB 118 Incentive Programs
  - ARB and California Energy Commission
- District Technology Advancement Programs
  - SC, SJV



# Valley Modeling

- Additional emission inventory improvements made as part of PM2.5 SIP
- NOx reductions needed for attainment expected to be between 72 and 75%
- State Strategy commitment is to achieve emissions levels needed for attainment
- Revisit modeling by 2014



# Recommended Board Action

- Approve ozone SIP revisions and transportation conformity updates