

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_{2.5} 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