

Federal Clean Air Act Planning Requirements

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November 29, 2006



Blueprint Learning Network Workshop



Background

- Emission reductions have yielded significant air quality improvement Statewide
- New health studies led to more stringent federal and state air quality standards
 - 8-hour Ozone
 - PM2.5
- New SIP mandates for 2007-2008 and new attainment deadlines



8-Hour Ozone



Designations and Attainment Years

- Marginal (2007)
 - Bay Area, Imperial County
- Basic (2009 plus extension)
 - San Diego, Butte (2009)
 - Western Nevada, Mountain Counties, Eastern Kern (2014)
- Moderate (2010)
 - Ventura, Antelope Valley and Western Mojave
- Serious (2013)
 - Sacramento, San Joaquin Valley, Coachella Valley
- Severe-17 (2021)
 - South Coast



PM2.5



Designations and Attainment Years

- 2015 including 5 year extension
 - South Coast
 - San Joaquin Valley





ARB Roles

- Public health
- Climate change
- ARB SIP emission reduction responsibilities
 - mobile sources
 - fuels
 - consumer products
- SIP oversight, including approval of State and local Plan elements





Significant progress
made in the past
decade....

- Air quality improvement
 - CO standard achieved statewide
 - Bay Area attains ozone standard
 - Ventura and San Diego are within reach of the 8-hour ozone standard
 - Ozone standard is exceeded on 30% fewer days in the South Coast
- ARB actions to reduce emissions
 - Adopted over 30 rules as part of 1994-2003 SIPs
- Recent actions to drive progress
 - Goods Movement Plan
 - Diesel risk reduction program
 - Moyer program



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...But Further
Reductions are
Needed

- New 8-hour standard is more health protective
- Need to address PM_{2.5} standards for first time
- Existing control technologies fall short of achieving targets
- New round of reductions needed to continue progress
 - Accelerated fleet turnover
 - Additional retrofits
 - New emission standards
 - Better evaporative controls
 - Consider reactivity





Achieving Clean Air is Challenging

- Ozone and PM_{2.5} have common precursors but different deadlines
- PM_{2.5} deadline is 2015 with no further extensions
- PM modeling is new and complex
- South Coast and the San Joaquin Valley will need more time





Short-Term Outlook is Positive

- PM2.5 attainment is within reach by 2015
- Effective technologies exist
 - New engines are much cleaner
 - Clean fuels will dramatically lower SO_x emissions
 - Goods Movement Plan adopted with SIP and community benefits
- New concepts focus: replacement, retrofit, tighter standards
 - Regulatory approach with incentives playing a critical role
 - Aggressive rulemaking agenda





Long Term Strategies Also Needed

- Concepts for 2015 attainment provide long-term reductions
- Increased penetration of cleaner vehicles in post-2015 timeframe will reduce emissions but fleet turnover will take time
- CA's population and VMT growth increases challenge
- Advanced technology measures will be needed as allowed by FCAA





Mileposts

October 2006	ARB SIP Symposium
Nov. 2006	EMFAC2007 released Public meetings on ARB control concepts
January 2007	Draft statewide modeling results and attainment demonstrations Draft Statewide Strategy released Hold public workshops
March- Jun 2007	Public hearings on Statewide Strategy and local plan elements
June 2007	Ozone plans to U.S. EPA Conformity budgets to U.S. EPA
2007-2008	PM2.5 plans to U.S. EPA <ul style="list-style-type: none"> - South Coast (June 2007) - San Joaquin Valley (Apr. 2008)





Local Plan Elements



11/06-3/07	<ul style="list-style-type: none"> •Complete attainment demonstrations • Release of local plans and workshops •Local environmental reviews (CEQA)
3/07-5/07	<ul style="list-style-type: none"> •Local district adoption hearings •Transportation conformity budgets •Local plans transmitted to ARB
3/07-6/07	<ul style="list-style-type: none"> •ARB action and submittal of plans to U.S. EPA
4/2008	<ul style="list-style-type: none"> •San Joaquin Valley PM2.5 plan to U.S. EPA



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Public Input

- Oct. SIP Symposium
- Public meetings and workshops on statewide strategy (November 2006 – March 2007)
- Local district workshops (November 2006– April 2007)
- District and ARB public hearings on the SIP (March-June 2007)

