

Ozone SIP Development Status



March 19, 2008



LET'S TAKE CARE OF OUR SUMMER AIR.

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SIP Development Overview



- **Dispersion Modeling**

- ❖ Emission inventories
- ❖ Meteorological modeling
- ❖ 2006/2010 Base Case modeling
- ❖ 2010 sensitivity/source attribution modeling
- ❖ 2010 control plan modeling
- ❖ 2020 base case and sensitivity modeling

- **Strategy analysis**

- ❖ Mobile Sources/Fuels
- ❖ VOC Stationary Sources
- ❖ Oil & Gas Sources
- ❖ Transportation Measures
- ❖ NOx Sources
- ❖ Commercial/Consumer Products

Dispersion Modeling



- **March 4th Stakeholder meeting**
 - Meteorological modeling
 - Preliminary model evaluation and diagnostic testing for June-July 2006 episode
- **Next steps**
 - April – 2006/2010 base case modeling
 - May – source apportionment modeling
 - June – 2010 sensitivity modeling
 - August – 2010 control plan modeling
 - September – 2020 base case modeling

Mobile Sources/Fuels



- **Tighter I/M cutpoints**
 - ❖ Proposed in December, hearing on March 20
- **High-emitter program**
 - ❖ HB1302 pilot program underway
 - ❖ Working on a voluntary program in North Front Range
 - ❖ Evaluating tightening collector plate requirements
- **Fuels strategies**
 - ❖ Lower RVP (7.0 psi) gasoline
 - ❖ Reformulated gasoline
 - ❖ Eliminating ethanol waiver
 - ❖ CO Petroleum Association has commissioned a cost/supply impact study – due by the end of March
- **Expanding I/M program to North Front Range**

VOC Stationary Sources



- **Stakeholder meeting held March 5th**
- **APCD has prepared series of issue papers**
 - **Stationary source emission inventories**
 - **Control Technique Guidelines issued by EPA**
 - **Reg. 3 VOC RACT to apply to entire NA area**
 - » **Adopted in February**
 - **Expand Reg. 7 to apply to entire NA area**
 - **Minor source BACT**
 - **Additional controls for largest sources**
 - **Control requirements for backup generators**
 - **Stage II Vapor Recovery at gasoline stations**
- **Next stakeholder meeting on April 10th**

Oil and Gas Sources



- **Stakeholder meeting held February 26th**
- **IPAMS emission inventory provided updated and refines emission estimates**
- **APCD prepared issue papers on range of potential strategies**
- **Focus has been narrowed to 3 areas:**
 - **Condensate tanks**
 - **Pneumatic valves**
 - **Leak detection and maintenance**
- **Next stakeholder meeting on April 10th**

Other Sources



- **NOx sources**

- Relying on Regional Haze stakeholder process for analysis of NOx control options

- **Commercial/consumer products**

- Relying on new EPA national rule that is effective Jan 2009
 - ❖ Aerosol coatings
 - ❖ Architectural and industrial maintenance coatings
 - ❖ Household and institutional consumer products
 - ❖ Creditable emissions reduction of about 30% from this rule

Next Steps



- April 2006/2010 base case modeling
- June 2010 sensitivity modeling
- April Initial strategy analyses complete
- May-August RAQC considers modeling and strategy analyses
- June-August RAQC/APCD draft regulations
- Aug./Sept. RAQC proposes draft plan and regulations to AQCC
- Oct.-Dec. AQCC prehearing process
- December AQCC hearing and SIP/regulation adoption
- January-May Legislative review
- July 1, 2009 Deadline to submit plan to EPA