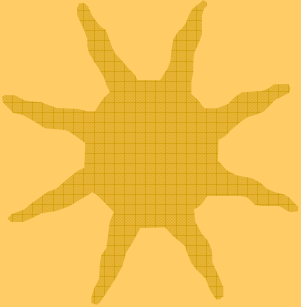


Revising Denver Area SIP Maintenance Plans

Presented to
Stakeholders Meeting
February 23, 2005

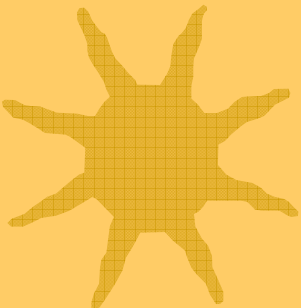


Current Maintenance Plans



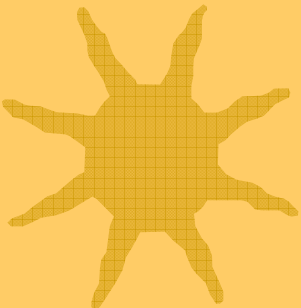
★ Ozone (1-hour standard)

- Plan approved Sept. 2001



★ Carbon Monoxide

- Original plan approved Dec. 2001
- MOBILE6.2 update approved Nov. 2004

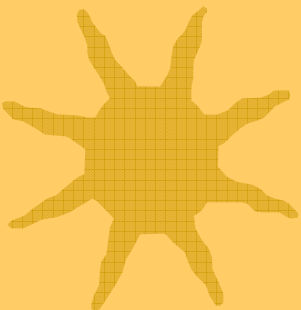
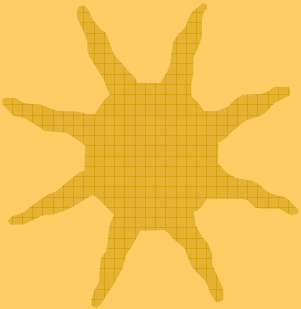
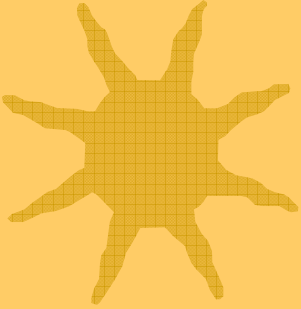


★ PM-10

- Plan approved Sept. 2002



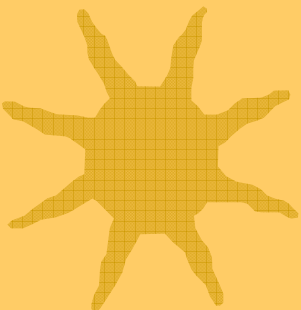
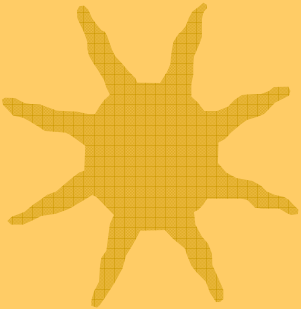
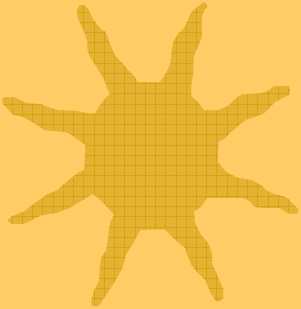
Proposed Revisions to Plans



- ★ **Update CO/PM-10 plans using MOBILE6.2**
- ★ **Update modeling in plans with current data**
- ★ **Update modeling using DRCOG's new transportation model**
- ★ **Evaluate need for current strategies**
 - **Inspection/maintenance program**
 - **Oxygenated gasoline program**
- ★ **Revise mobile source emission budgets based on new modeling**



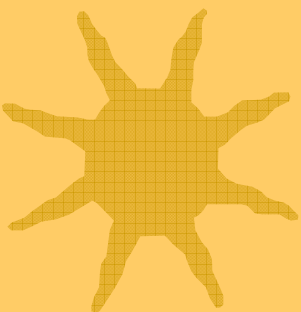
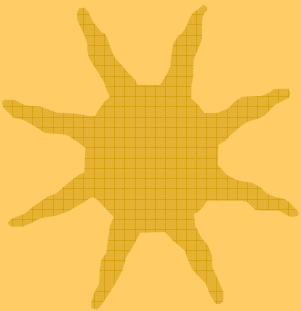
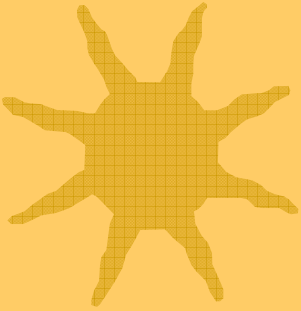
Carbon Monoxide Revision



- ★ **Update emission inventories using MOBILE6.2 and DRCOG's COMPASS model**
- ★ **Gridded emission inventory comparison with 2001 base (attainment) year with maintenance year (2022) and other interim years**
- ★ **Analyze removing I/M and mandatory oxygenated gasoline programs from the SIP**
- ★ **Revise CO mobile source emission budgets accordingly based on 2030**



PM-10 Revision

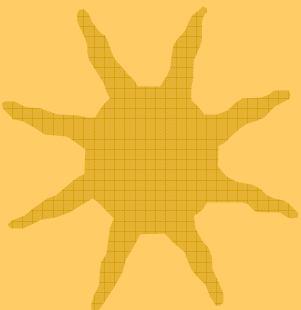
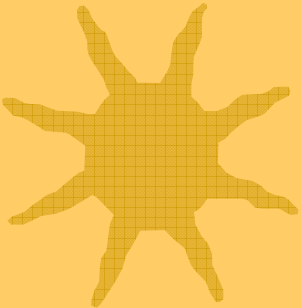
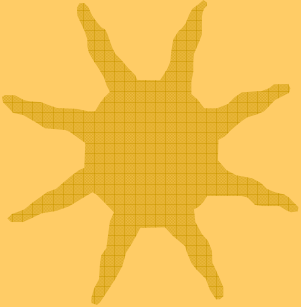


- ★ **Approved maintenance plan contains a commitment to revise plan once MOBILE6.2 is officially available**
- ★ **Update emission inventories using MOBILE6.2 and DRCOG's COMPASS model**
- ★ **Updated modeling for base (2001), maintenance (2022) and interim years**
 - Use existing primary PM-10 dispersion modeling framework with updated emissions
 - Update secondary PM-10 analysis with more recent speciated PM-2.5 data



PM-10 Revision

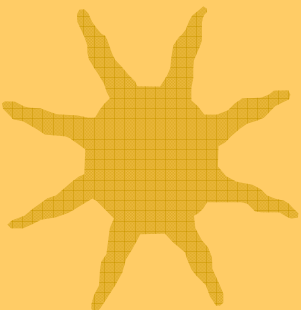
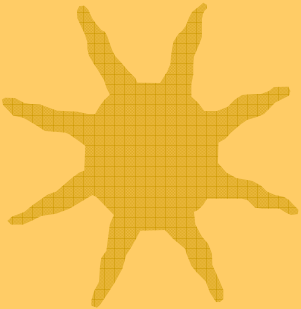
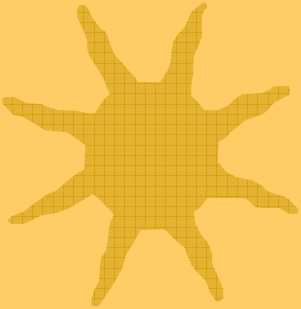
- ★ **Analyze removing current gasoline I/M program from SIP**
 - Diesel I/M program already removed in current maintenance plan
 - No other strategy revisions anticipated
- ★ **Revise PM-10/NO_x mobile source emission budgets accordingly based on 2030**
 - Investigate opportunity for allowing trading PM-10 and NO_x emissions in conformity determinations





Ozone (1-hour) Revision

- ★ **APCD/RAQC staff recommend deferring revision of 1-hour ozone plan pending development of 8-hour maintenance plan**
- ★ **Rationale:**
 - **I/M program stays in effect until 8-hour maintenance plan is developed**
 - **Avoids confusion when dealing with ozone issues**
 - **Workload/resource constraints**
 - **Section 110(l) limitations – removing strategies from a 1-hour plan before attaining the 8-hour standard**





Schedule

★ **October 2004-January 2005:**

- Develop modeling protocols through interagency process and discussions with EPA.

★ **January-March 2005:**

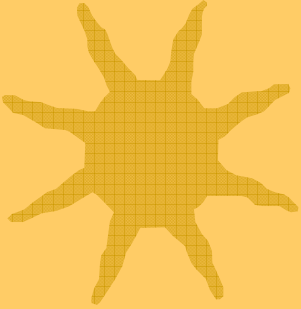
- 2001 baseline and future year emission inventories
- Base year modeling
- Preliminary future year modeling and strategy analysis

★ **February-July 2005:**

- Convene stakeholder process and discussions
- First stakeholder meeting scheduled for Feb. 23

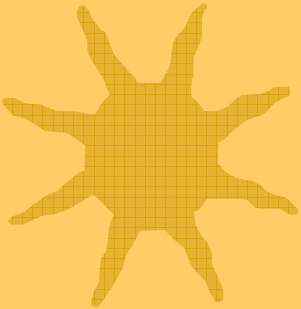


Schedule



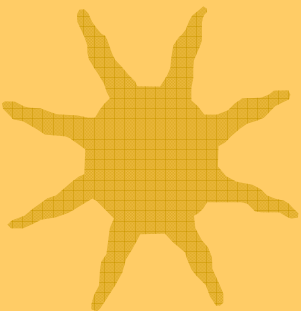
★ **July/August 2005:**

- RAQC considers proposed SIP maintenance plan revisions



★ **September 2005:**

- RAQC proposes plan and requests AQCC Public Hearing



★ **December 2005:**

- AQCC Public Hearing and SIP adoption

★ **January-May 2006:**

- Legislative review and approval