

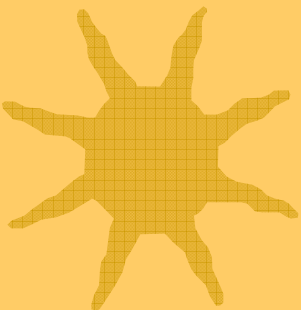
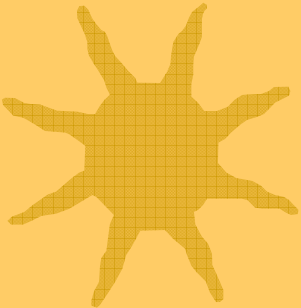
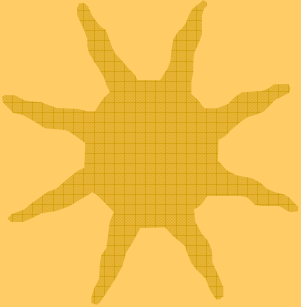
Carbon Monoxide SIP Maintenance Plan Revisions

Regional Air Quality Council

July 7, 2005



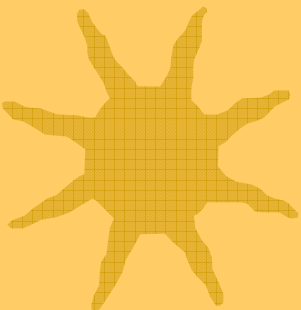
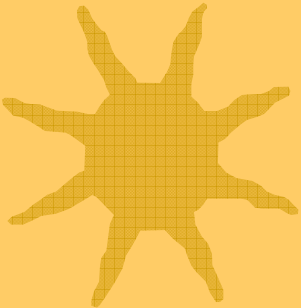
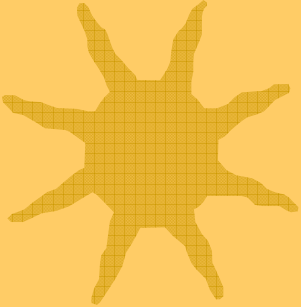
CO Maintenance Plans



- ★ **Original plan developed in 2000 and approved by EPA in Dec. 2001**
- ★ **“Streamlined” MOBILE6.2 update developed in 2003 and approved by EPA in Nov. 2004**
- ★ **Original plan contained a commitment to reevaluate need for current mobile source control strategies with MOBILE6.2**
 - **Inspection/maintenance program**
 - **Oxygenated gasoline program**



Revisions to CO Plan



- ★ **Update CO maintenance plans using MOBILE6.2 and DRCOG's new transportation model**
- ★ **Gridded emission inventory comparison 2001 base (attainment) year with maintenance year (2021) and other interim years**
- ★ **Evaluate need for current strategies**
 - Inspection/maintenance program (Reg. 11)
 - Oxygenated gasoline program (Reg. 13)
 - Woodburning program (Reg. 4)
- ★ **Revise mobile source emission budgets based on new modeling**

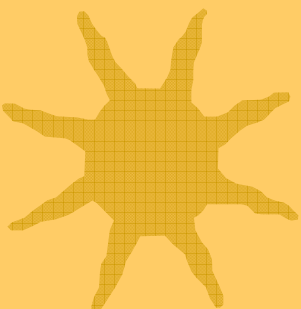
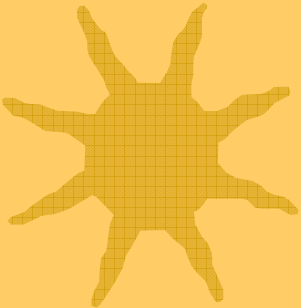
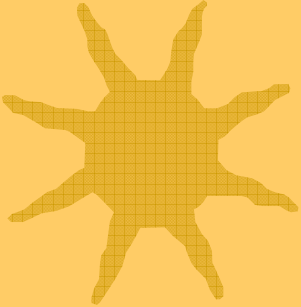


Conclusions

- ★ **CO emissions have been reduced dramatically over the years**
- ★ **Ambient CO levels are well below the federal standard**
- ★ **CO emissions will continue to decrease due to cleaner cars and trucks**
- ★ **Modeling demonstrates current local control programs are not necessary to ensure continued maintenance of standard**



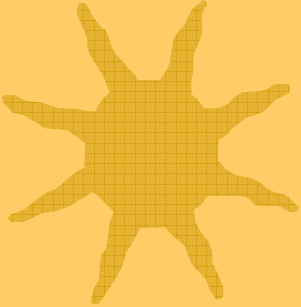
History of Oxygenated Gasoline



- ★ **Colorado was first state to require use of oxygenated gasoline as a CO strategy**
- ★ **1990 CAA required use of oxygenated gasoline in CO nonattainment areas**
- ★ **1994 CO SIP established 3.1% oxygenated gasoline level**
- ★ **2000 CO maintenance plan began phase-down of oxygenated gasoline requirements**
 - 2001/02 – 2.7%
 - 2002/03 – 2.6%
 - 2003/04 – 2.0%
 - 2004/05 – 1.9%
 - 2005/06 – 1.5%
 - 2012/13 – 1.7%
 - 2019/20 – 3.1%

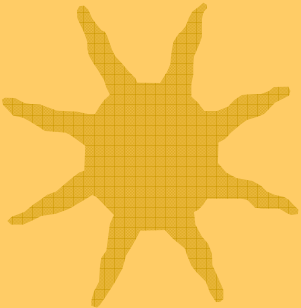


Oxygenated Gasoline Options



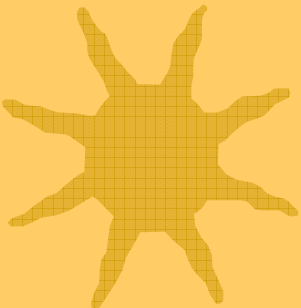
★ **Leave Regulation 13 in CO SIP**

- Revisions to Reg. 13 may be necessary at some point to determine future oxygenate levels



★ **Remove Regulation 13 from CO SIP but leave in place as a state-only program**

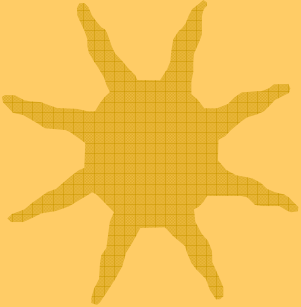
- Revisions to Reg. 13 will likely be necessary at some point to determine future oxygenate levels



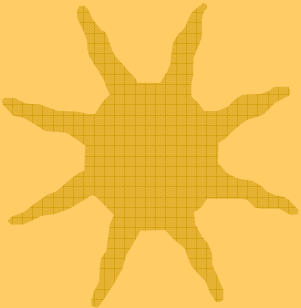
★ **Repeal Regulation 13 and remove from CO SIP**



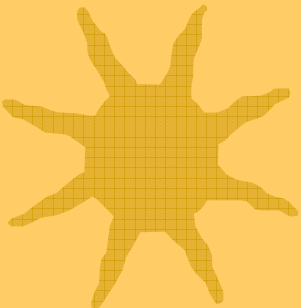
I/M Program Options



★ **Leave Regulation 11 in CO SIP**



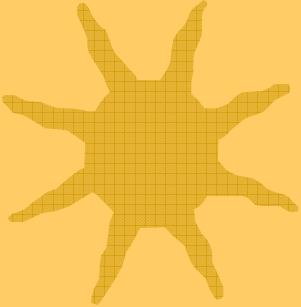
★ **Remove Regulation 11 from CO SIP**



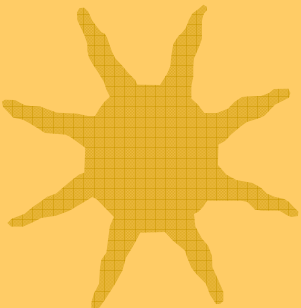
★ **Current I/M program will remain in place for the foreseeable future as part of the Ozone Action Plan**



Woodburning Program Options

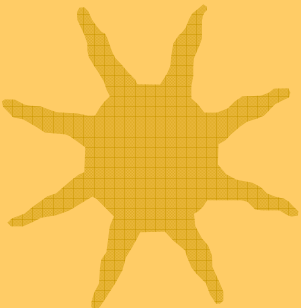


★ **Leave Regulation 4 in CO SIP**

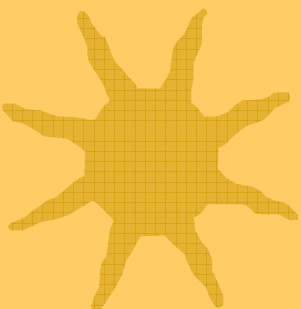
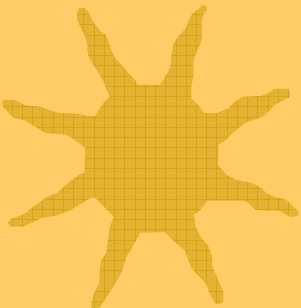
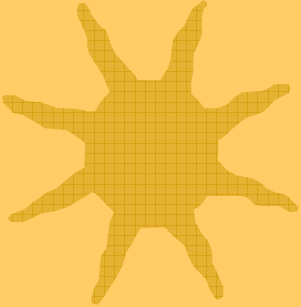


★ **Remove Regulation 4 from CO SIP**

- Removal will impact mobile source emissions budget



★ **Woodburning program will stay in place since it is part of PM-10 SIP and state visibility program**

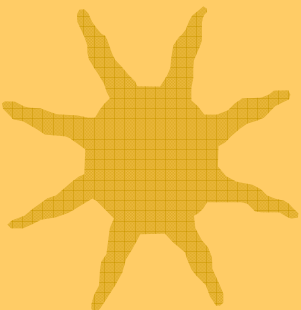
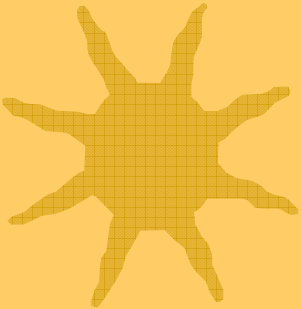
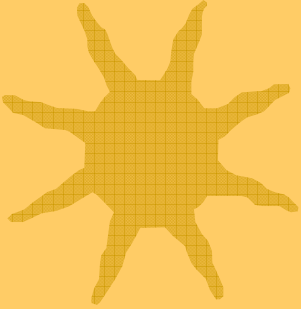


Recommendations

- ★ **Remove Regulation 13 from CO SIP**
- ★ **Decide whether to retain Regulation 13 as a state-only program**
- ★ **Remove Regulation 11 from CO SIP**
- ★ **Leave Regulation 4 in CO SIP**



Schedule



- ★ **Feb/June Stakeholder meetings**
- ★ **July 7 Discussion with RAQC Board**
- ★ **Sept. 1 RAQC approval of proposed CO plan**
- ★ **Sept. 15 Proposal to AQCC**
- ★ **Oct/Nov AQCC pre-hearing process**
- ★ **Dec. 15 AQCC hearing/SIP adoption**
- ★ **Jan/Feb Review by General Assembly**
- ★ **July Submittal to EPA**