



# **Status of CO Maintenance Plan Revision**

**June 5, 2003**



## Current Schedule

- March Plan proposed to AQCC
- June 19 AQCC public hearing
- August 1 Submit to Legislative Council
- Sept. 30 Legislative Council approval
- October Governor submits to EPA



# Maintenance Plan Contents

- Revise motor vehicle emission budget with MOBILE6 numbers
  - Avoid transportation conformity problems
- Continue to demonstrate maintenance of standard during period of plan
  - Emission inventory comparison
- No changes in control strategies
  - Same exact strategies as in previously approved plan



# Changes to Proposed Plan

- Full MOBILE6 modeling analysis
  - Uses local vehicle registration data
- RSD Clean Screen Utility
  - First version released 2/6/03
  - Revised version released 5/22/03
- “More rigorous assessment” of allocation of excess emissions to motor vehicle emissions budget
- Remove 2006-12 interim emissions budget
  - EPA & AG’s office determined interim budget not required



## Impact of Changes

- Emissions in all analysis years went up 2-7%
- Rate of decline in emissions is greater
  - Emissions in 2013 nearly 30% lower
- Revised numbers continue to show maintenance in period covered by plan after EPA approval
  - 2003/04 winter season shows a problem on paper
- “More rigorous assessment” resulted in 75% of available excess emissions being allocated to motor vehicle emission budget
  - Proposed budget lowered by 10 tons/day



## “More rigorous assessment” approach

- EPA guidance requires a more rigorous assessment if available excess emissions are allocated to the motor vehicle emissions budget
  - Guidance does not specify form of assessment
  - Worked with EPA Region 8 to develop an acceptable approach
- Three-tiered analysis approach
  - Regional emissions comparison
  - Central area emissions comparison
  - Hot spot analysis at selected intersections



## Intersection Analysis

- Hot spot analysis at 6 intersections included in 2000 maintenance plan
- Background concentration based on 2000-02 CO values
- Intersection modeling based on M6 emission rates
- If total is over 9 ppm, reduce background contribution by necessary percentage
- Reduce regional emissions by same percentage
- Result is allowable regional MS emissions
- Reduce by small factor to account for other source growth
- Result is motor vehicle emission budget – 1520 tons
- 75% of available excess emissions can be allocated