

CaRFG3: Unfinished Business

Alliance of Automobile
Manufacturers

CARB Workshop, April 24, 2002



1999

- ◆ ARB adopts new fuel specs
 - Sulfur and benzene tightened
 - Aromatics, T50, T90, RVP, Oxy relaxed from RFG2
- ◆ Est. South Coast emission reductions = 19 tpd
 - Assumes new fuel is cleaner than current actual
 - Ethanol impact not fully accounted for
- ◆ Alliance: sunset relaxations and cap sulfur at 5 ppm = 49 tpd in South Coast
 - 25 tpd w/commingling



Fast Forward to 2002

- ◆ CARB issues updated draft Clean Air Plan for comment
- ◆ CAPlan calls for (in 2010):
 - 250 tpd ROG
 - 250 tpd NOx
 - Plus reduced PM and toxics

CAPlan Strategies

Include:

- ◆ LEV III emission standards
 - Action: 2005, Implement: 2010
 - 0.4 tpd ROG + 1 tpd NOX statewide in 2015
- ◆ RFG4: lower sulfur, tighter DI range
 - Action: post 2010, Implement: post 2010
 - Benefits: not quantified



Why not fix RFG3, Now?

- ◆ Assuming California still needs reductions, refining sector must help more
- ◆ EtOH use expanding anyway
- ◆ Refiners have already benefited from flexibilities
- ◆ Delayed deadline = opportunity to move forward on sunseting relaxations
- ◆ EU adopting ULSG now, for 2005+
- ◆ CARB should act now

