

# Research Advisory Committee

## CF/LEV Update

August 28, 2007

Sacramento, California

# Low-Emission Vehicle Program

- LEV I adopted 1990
  - Implementation 1994-2003
- LEV II adopted 1998
  - Implementation 2004-2010
- Reactivity of exhaust emissions first accounted for in LEV I.
- Established reactivity TLEV, LEV, ULEV relative to baseline fuel (RFA).
- Generic relative reactivity factor (RAF) determined for different fuels.
  - Commercial gasoline
  - M85
  - CNG
  - LPG

# Regulatory Requirements

- Alternative fuel vehicles can meet higher standard on gasoline
- Manufacturers options
  - Use generic RAF
  - Generate engine family specific RAF
  - Use 1.04 factor to account for organic emissions
    - Gasoline/Diesel only
    - Aligns with federal Tier 2 program
    - RAF not applicable