



Short-term (2008) Measures

- **RAQC Board directed staff to work with APCD to come up with a potential list of strategies for discussion and consideration**
 - ❖ RAQC and APCD staff, in consultation with MFRMPO staff, met several times to brainstorm and refine potential strategies
- **Focus was on strategies that could be implemented and sufficiently effective for 2008 season**
 - ❖ Additional strategies beyond 2008 will be considered during stakeholder process over next several months



Short-term (2008) Measures

- **November RAQC discussion**
 - **Directed staff to:**
 - ❖ **Further describe the proposed measures**
 - ❖ **Refine the costs and emission reductions for comparison purposes**
 - ❖ **White Paper prepared and posted on 12/4**
 - **Directed staff to:**
 - ❖ **Meet with the Coalition of Local Governments and Environmental Groups to discuss their proposed short-term measures**
 - ❖ **RAQC & APCD staff met with group on 11/26**



Configuration of Strategies

- **Current**
 - ❖ Current measures that have not been fully implemented that provide additional emission reductions in 2008
- **Voluntary**
 - ❖ New voluntary measures that can be implemented prior to 2008 Ozone Season
- **Regulatory**
 - ❖ New regulatory measures that can be implemented prior to start of 2008 Ozone Season
- **Legislative**
 - ❖ Measures that need legislative authority to be implemented prior to start of 2008 Ozone Season
- **Future**
 - ❖ New measures that can be addressed in 2008 and provide benefit as early as 2009-2010



Currently Planned Measures

- **Mobile Sources**

- ❖ HB1302-06 High-Emitter Pilot Program
- ❖ Vehicle Scrappage Program
- ❖ Continued Vehicle Fleet Turnover to Tier 2 Standards
- ❖ Diesel Retrofit Program
- ❖ Use of E-85 in Flex-Fuel Vehicles

- **Non-Road Engine Sources**

- ❖ Continued turnover in small and off-road engines to new Federal standards



Currently Planned Measures

- **Oil and Gas Sources**
 - ❖ **Statewide Oil & Gas Controls in Reg. 7**
 - ❖ **Reciprocating Internal Combustion Engine (RICE) Controls**

- **Education**
 - ❖ **RAQC Voluntary Ozone Education and Awareness Campaign**



New Voluntary Measures

- **Fuels**

- ❖ **Voluntary Reduction in Reid Vapor Pressure (RVP) of Gasoline**
- ❖ **Voluntary Reduction in RVP of Gasoline in North Front Range**

- **Oil and Gas Sources**

- ❖ **Retrofit, Replacement & New Installation of High-Bleed Valves to Low-Bleed and/or No-Bleed Valves for Oil & Gas Systems**
- ❖ **Green Completions for Oil and Gas Well Development**



New Voluntary Measures

- **Lawn and Garden Sources**
 - ❖ **Large-Scale Residential Lawn Mower Trade-Out Program**
 - ❖ **Municipal “Green” Landscaping Pilot Program**



New Regulatory Measures

- **Tighten Vehicle Inspection / Maintenance Program Cut Points**
 - ❖ Revisions to Regulation No. 11 will be proposed on December 20; public hearing in March
- **Expand RACT requirements for new and modified minor VOC sources to portions of Larimer and Weld counties**
 - ❖ Revisions to Regulation No. 3 proposed on November 15; public hearing in February



Future Measures

- **The following measures were considered, but deferred to be considered as part of the larger SIP stakeholder process**
 - ❖ **Fuels standards (need EPA approval)**
 - Implementation of Federal Reformulated Gasoline
 - Removal of 1.0 psi waiver for ethanol
 - Lower RVP gasoline
 - Mobile Source Air Toxics (MSAT) fuels standards
 - ❖ **Legislation to develop motor vehicle control fund**
 - ❖ **Revisions to Regulation No. 7 regarding VOC sources**
 - ❖ **Additional regulatory requirements for Oil and Gas industry – part of comprehensive regional/statewide effort**
 - ❖ **I/M and high-emitter program options for Denver area and North Front Range**
 - ❖ **CA Clean Car standards**
 - ❖ **Travel reduction programs**
 - ❖ **Anti-idling programs**