

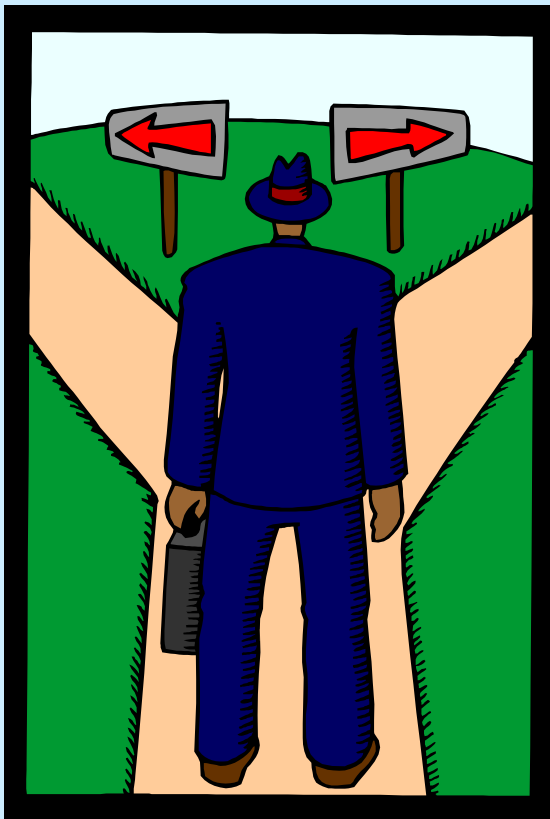
Workshop on 2005 Amendments to 2003 PM10 Plan

April 26, 2005

Planning Division



Purpose of workshop



- Provide background on 2005 Amendments
- Review Amendments
- Review sample calculations
- Invite comments and questions



Purpose of amendments

- **Add new contingency measures based on reductions achieved/new measures**
- **Update control measure implementation dates w/ latest schedule**
- **Update emission reductions w/ amounts achieved or w/ new estimates**
- **Demonstrate these changes have no adverse impact on attainment demo/RFP/5% milestones**



PM10 Plan Background

- **District adopted plan in June 2003 and amended it in December 2003**
- **Implements Best Avail. Control Measures (BACM) for PM10 and precursors**
- **Achieves at least 5% per yr reduction in PM10 or precursor emissions**
- **Demonstrates 2010 attainment**
- **Commits to plan revision March '06**



Contingency Measures

- EPA approved *2003 PM10 Plan* on May 26, 2004, effective June 25, 2004
- EPA has not yet approved or disapproved the contingency measures
- District needs to revise contingency measures to align them with federal requirements
- Contingency measures provide automatic emission reductions if RFP or attainment milestones are not met

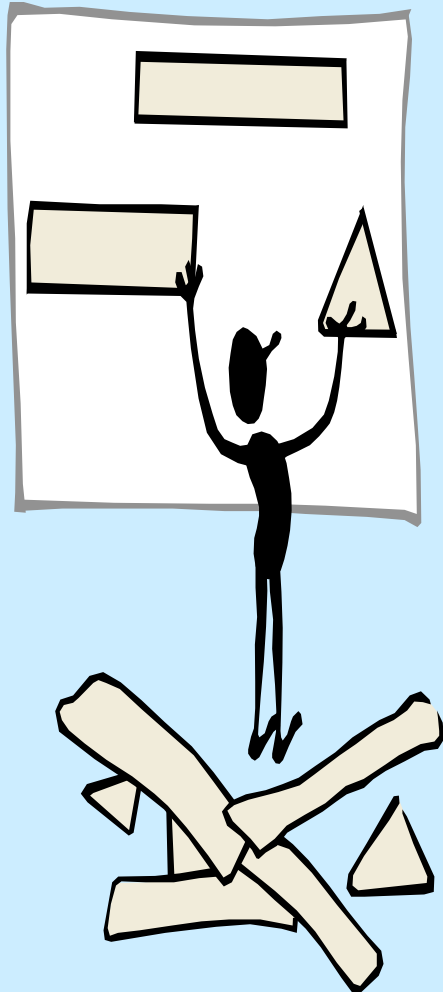


Control measures & rules

- **Control measures in plan are based on best information at time of plan development**
- **Rules are developed from control measures using a more rigorous process**
- **Reductions can vary from control measure to rule for a variety of reasons**



Control measure schedule



- **District adopted rules for over 90% of the direct PM10 emission reductions in the Plan and over 80% of the NOx emission reductions**
- **Some remaining measures are behind schedule**
- **Later implementation can cause reductions to occur after key milestones**
- **Reductions from other measures offset shortfall**



Rule Development Schedule

- **Same Control Measures as current Plan or as required by new state law**
 - No changes to Reg VIII or CMP
 - No new Control Measures proposed solely for these Amendments
- **Rule development schedule updated to reflect current estimated adoption (see also April 25, 2005 handout)**
- **Surplus reductions from rules & incentives are used to mitigate changes in reductions**
- **Reductions that are surplus after accounting for changes are used as contingencies**



Ag IC Engines – Rule 4702

- **Ag IC Engines added to meet BACM requirement in Dec 03 Amendment**
- **Not used for 5% calculations or attainment demonstration**
- **Moving reductions to contingency for 2010 with rule adoption by June 2005**
- **Reductions scheduled for 2008 to be achieved by District and State incentive funding: 5.3 tons/day District, 2.2 tons/day State Moyer**
- **Not backsliding since source will be controlled to the same extent during the same timeframe as originally proposed**



Contingency Measures

- **Incentive Funding Program**
 - **DMV fees/VECAP**
 - **Moyer funds**
 - **HD Engine Program/REMOVE II**
- **Control Measures in Development**
 - **Rule 4702 (Stationary Ag IC Engines)**
 - **Rule 4103 (Open Burning)**
- **Current Plan Contingency Measures**
 - **Reg VIII, CMP, Local Agency Commitments**



Incentive Funding

- **Incentive funding greatly increased over plan estimate**
 - **\$6 million vs. \$24 million in 2005**
 - **~\$17 million/yr through 2010**
- **Cost-effectiveness much better than predicted**
 - **\$9,000/ton vs. \$1,396 in 2004**
- **New projections based on cost-effectiveness of available projects and account for increasing cost-effectiveness**



Emissions accounting

**Emissions reductions:
(original vs. current)**

+

**Reductions from rules
and incentives**

Net effect of changes

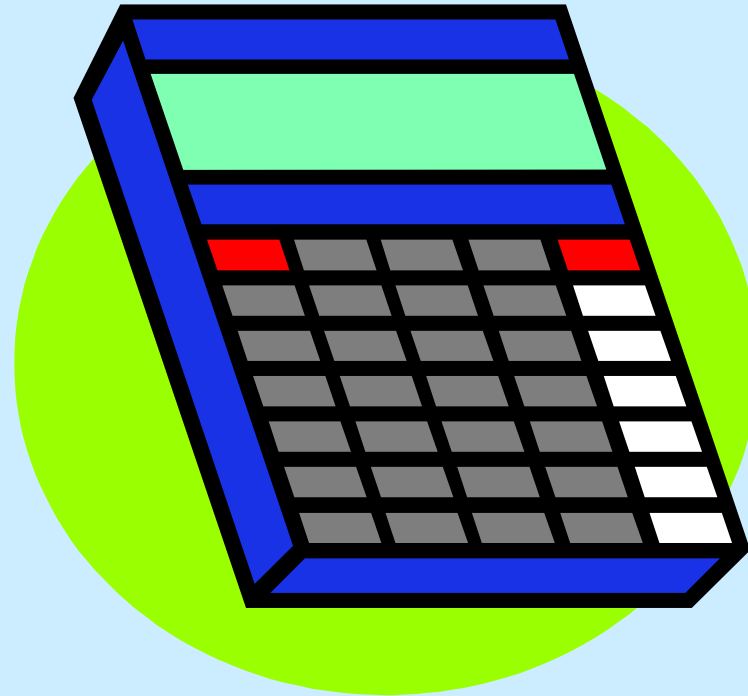


Net effect of changes

- **RFP still met – incremental progress achieved**
- **5% requirement still met**
- **Attainment demonstration still valid; reductions better in 2010**
- **Surplus reductions identified for use as contingency**



Sample calculations

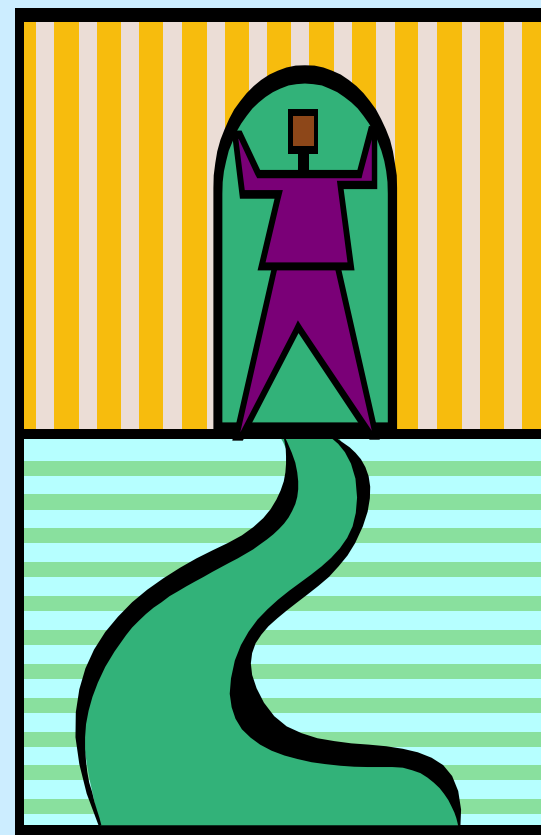


Questions and Comments



Next steps

- **Comment Deadline is May 3, 2005**
- **Take 2005 Amendments to Gov. Board on May 19, 2005**
- **If adopted, transmit to ARB for review and transmittal to EPA**
- **Continue working on *2006 PM10 Plan* for January 2006 adoption**



Thank you for attending

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