



8-Hour Ozone Air Quality Plan SIP Schedule Status

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Background

- EPA classified the Washington region as “moderate” nonattainment area (5/04)
- Deadline to submit a plan: June 15, 2007
- MWAQC’s SIP schedule:
 - Draft SIP in January 2007
 - Public Hearings in February & March
 - Approve SIP in April

Missing Pieces

1. Modeling results that demonstrate the region will attain (<85 ppb) by 2009
2. Contingency measures for RFP 2008 RPF and attainment 2009
3. Commitments to “voluntary,” non-regulatory measures

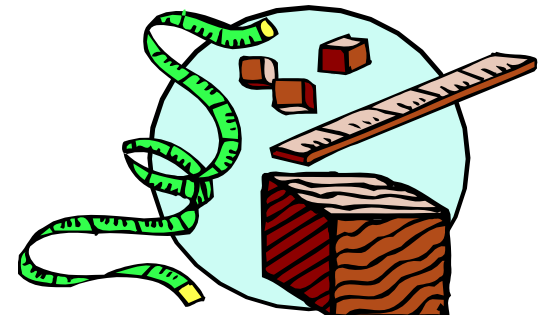
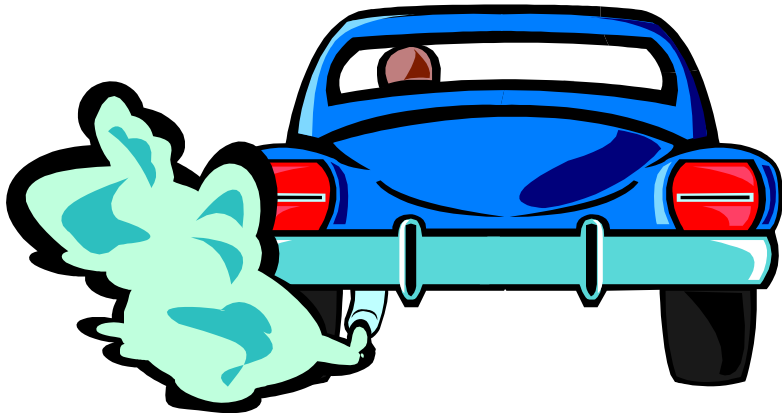
1. Attainment Demonstration

- Attainment demonstration modeling: range is important (82 – 87 ppb)
- Other statistical evidence (“weight of evidence”) based on air quality data will be considered

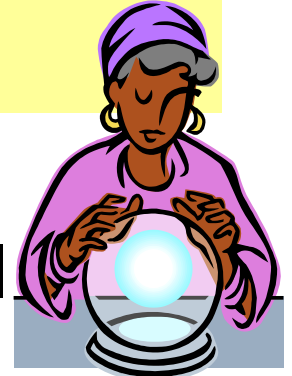


Preliminary Analysis

- “On the Books” and “On the Way” controls reduce emissions $>21\%$
- More Reductions are needed to meet 8 hr standard.



Additional Future Control Case Modeling



- Identify & quantify additional control emissions
- Run control case model to test these control strategies
- Perform attainment test (using Relative Reduction Factors)
- Repeat process as needed to demonstrate attainment

Control Strategy to Reach Attainment



New Controls
on Power
Plants:

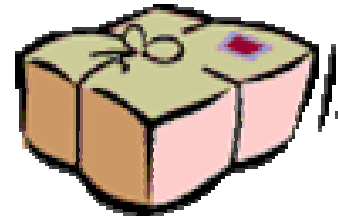
CAIR, MD
Healthy Air Act



Adhesives
and sealants



Consumer
Products



Voluntary
Bundle



Fuel
Containers

Status of Modeling



- OTC Modeling: Results of modeling new control measures available this week
- Virginia DEQ will use new inventories to model future case
- Attainment modeling results for Washington region: report in December

2. Contingency Measure Requirement

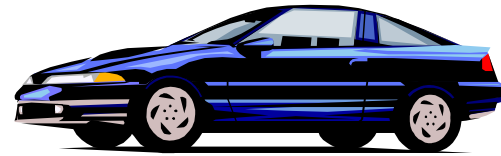
Must total 3% of adjusted 2002 base year inventory for both RFP and attainment

VOC: 0.3% = 1.3 tpd VOC

NOX: 2.7% = 15.3 tpd NOx

Option for Contingency Measure: 2010 Mobile Budget >10 tpd?

- Reductions from mobile sources that are above and beyond reductions needed for RFP and attainment, 2010 mobile budget
 - Tier 2 Motor Vehicle Emission Standards
 - Heavy Duty Diesel Engines Rule (2004, 2007)



Alternative Options, <10 tpd

- Architectural & Maintenance Coatings Rule Phase 2 (OTC proposal)
- Additional Power Plant controls
- Industrial/Commercial/Institutional Boiler Standards
- MSW Incinerator Controls
- Distributed Generation Rule
- Health Air Act benefits, (2012)

Analysis of Options

- 2010 mobile budget option
 - Staff is developing numbers
 - Potential reductions not yet known
 - Expect estimated reductions by November
- Other options
 - Need combination of measures to meet 15 tpd NOx requirement

3. Commitments to Local Initiatives ("Bundle")



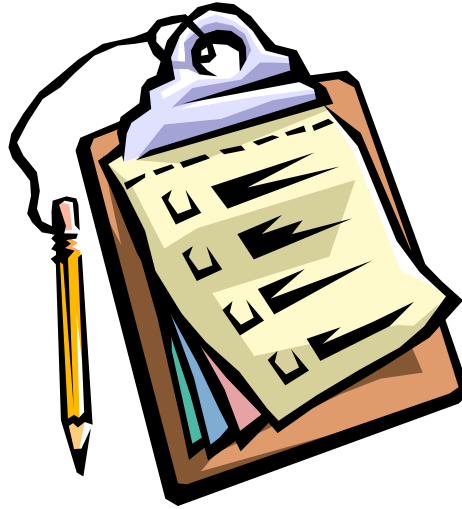
- School Bus Retrofits
- Wind Energy Purchases
- Renewable Portfolio Standards
- LED Traffic Signal Retrofits
- Alternative Vehicle Purchases
- Low VOC Paints
- Energy Performance Contracting (solar for schools)



Commitment Requirements



Signed Letter



**Program Details
Estimate of Benefits**



**Program
Effectiveness
Report**

Agree to monitor program and provide annual reports on program participation/effectiveness

Schedule for Remaining Pieces

- November
 - New modeling results
 - Estimated benefits from 2010 mobile budget/contingency measure
- December
 - Jurisdictions send commitment letters to states

Draft SIP Schedule

- Technical Advisory Committee will review draft SIP in November
- Comments, new modeling results will be incorporated in December
- Draft SIP to MWAQC in January

