



Status of Preliminary Reasonable Progress Analysis

**Board Meeting
March 8, 2007**

2000-04 Baseline Period

- **Emissions Inventories**
 - **Mostly 2002 data**
 - **Point & Area sources**
 - **First-ever complete oil and gas inventory**
 - **Mobile**
 - **EPA models and methods with state/local activity data**
 - **Fire**
 - **Analysis of 2002 actual emissions**
 - **2000-04 average used for planning**

2000-04 Baseline Period

- **Emissions Inventories (cont.)**
 - **Dust**
 - **Includes all dust data for first time**
 - **Regionally consistent windblown dust estimates**
 - **Analysis of $PM_{2.5}/PM_{10}$ ratios**
 - **Led to EPA changing emissions factor**
 - **Regionally consistent assessments of ammonia and Eastern Pacific marine shipping**

2000-04 Baseline Period

- **Incorporates 2000-04 monitoring data from IMPROVE**
- **Modeling analyses**
 - **2002 meteorology**
 - **Representative emissions**
 - **Multiple evaluations of performance**

2018 Projections

- **Emissions data**
 - **Point & area sources projected using:**
 - **Electricity demand forecasts from EIA**
 - **EPA EGAS model for other point and area sources**
 - **FLM resource management plans for oil and gas**
 - **Mobile**
 - **EPA models and methods, all federal rules**
 - **Fire**
 - **2000-04 average data with reductions for smoke management techniques**
 - **Dust**
 - **Held constant except for point and area EGAS projections**

2018 Projections

- **Modeling Analyses**
 - **Completed 2018 base case modeling**
 - **Reviewed at WRAP workshops in 2006**
 - **Inventory updates and corrections underway**
 - **Appropriate for assessing relative change between 2000-04 and 2018**

Planning Support for Regional Haze

- **Point sources**
 - **§309 SO₂ program to be resubmitted**
 - **State-by-state BART analyses supported by WRAP**
 - **Emissions data for all point sources available**
- **Area sources**
 - **Emissions data for all area sources available for state and tribal review**

Planning Support for Regional Haze

- **Mobile sources**
 - **All federal rules included in 2018 projections**
 - **Diesel retrofit support available from Mobile Sources Forum**
- **Fire sources**
 - **Policy documents and analyses to support application of smoke management programs**
 - **Implementing Fire Emissions Tracking System**

Planning Support for Regional Haze

- **Dust sources**
 - **New Mexico Pilot Project**
 - **Fugitive dust emissions control handbook**
 - **Regional technical analyses of dust**

- **Implementation Workgroup**
 - **State, tribal and federal air managers**
 - **Coordinating approaches**
 - **Consulting on planning requirements and reasonable progress**

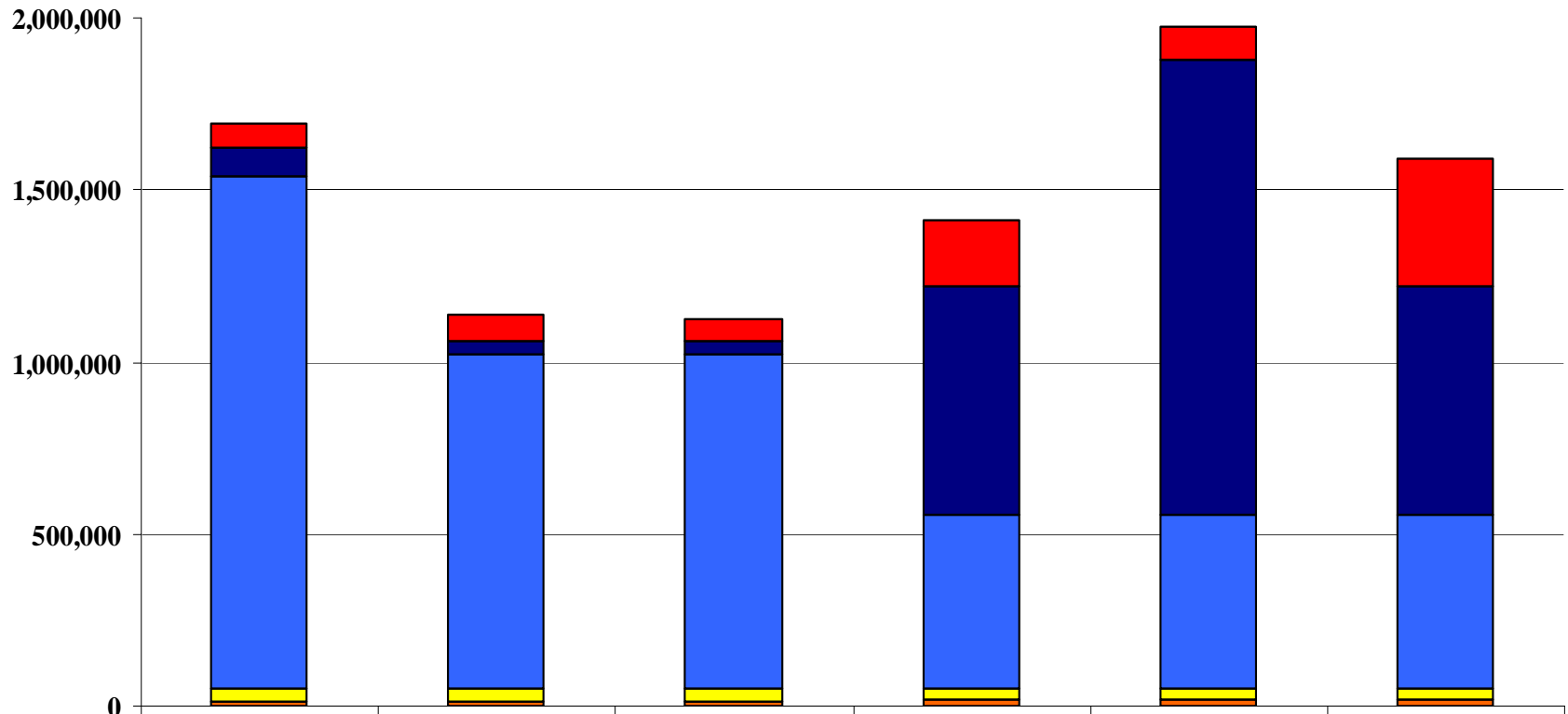
Planning Support for Regional Haze

- **Reasonable Progress Demonstration**
 - **EPA guidance does not address many of the issues in the WRAP region**
 - **Focused primarily on stationary sources**
 - **WRAP approach:**
 - **“Determining Long-Term Strategies and Reasonable Progress Goals for WRAP Region Class I Areas”**
 - **Uses data from Technical Support System**
 - **To be completed as consensus document for states, tribes, EPA, and FLMs over next few months**

Process and Schedule

- **2018 Preliminary Reasonable Progress Analysis**
 - **Complete by mid-2007**
 - **Will serve as basis of regional haze plans**
 - **March: Inventory updates and corrections**
 - **Including Phase II Oil & Gas inventory project**
 - **May: Complete emissions updates**
 - **June: Visibility modeling and data results**
- **Final analysis will be completed when BART limits are known**

WRAP Region Fire PM2.5 Emissions Scenarios (tpy)



	2002 Actual	2000-04 Baseline Average	2018 Planning - Baseline Average with ERTs	2018 Projection A - FLM-proposed activities	2018 Projection B - Climate conditions/resource limited	2018 Projection C - Max. application of Prescribed Fire
■ Prescribed Fire	71,421	72,218	64,170	195,020	97,347	376,206
■ Wildland Fire Use	81,505	41,171	41,171	659,594	1,319,189	659,594
■ Wildfire	1,489,886	971,453	971,453	504,654	504,654	504,654
■ Agricultural Fire	34,571	34,590	34,590	34,590	34,590	34,590
■ N-F Rangeland Fire	15,454	15,454	15,454	18,643	18,643	18,643

A complete haze plan – an integration

- **BART controls and §309 SO₂ program**
- **Manage controllable fire emissions and track emissions;**
- **Account for growth;**
- **Identify natural and uncontrollable emissions and their impacts;**
- **Set reasonable progress goals for 2018; and**
- **Adopt IMPROVE monitoring network for tracking visibility**