



Results from WRAP

Ozone & NO_x in the West Meeting

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WRAP/Western Governors' Association

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Air & Waste Management Association
Rocky Mountain States Section

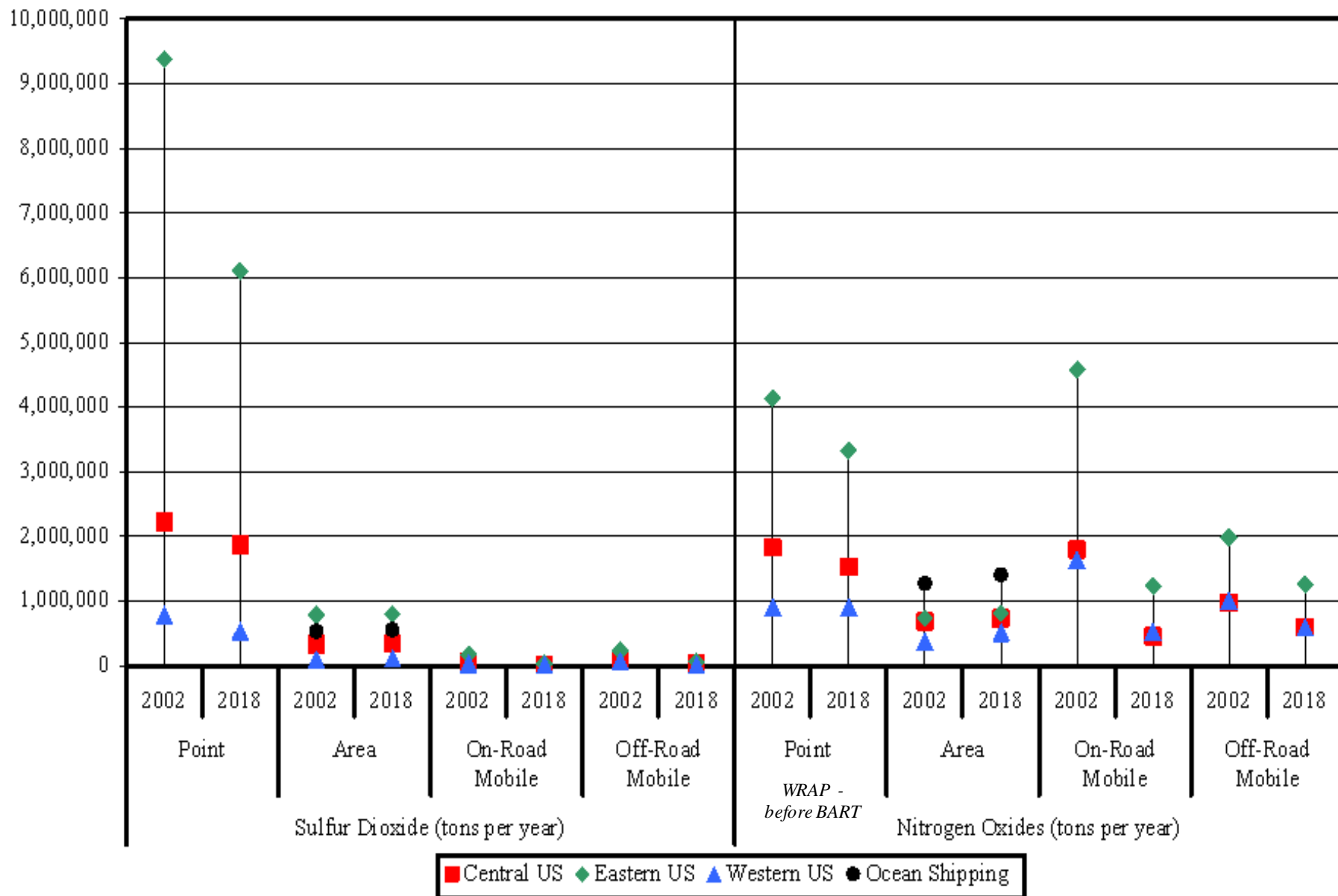
Meeting Topics
November 11, 2009
Santa Fe

- Haze Planning Background & Status
- New Charter
- Discuss Ozone & NOx Issues to begin to shape 2010 and ongoing WRAP activities
 - Interactive agenda at:
http://www.wrapair.org/forums/amc/meetings/091111_Nox/
 - Background reading materials at:
<http://www.wrapair.org/cal/calendar.php?op=view&id=1720#background>

Haze Planning Background & Status

- WRAP region Regional Haze Planning
 - AZ, NM, UT, WY: complete §309 plans December 2003
 - No action by EPA due to legal issues
- Regional Haze SIPs due 12/07 for all 50 states
 - CA, NV, OR, UT complete as of Summer 2009 ☺
 - Most other states finishing in late 2009 and through 2010
 - EPA settlement with EarthJustice to issue FIPs for states without approved Haze SIPs by January 2011
- Current Haze Planning Status at:
<http://www.wrapair.org/SIPStatus/index.html>

U.S. Regional Emissions Changes 2002-18

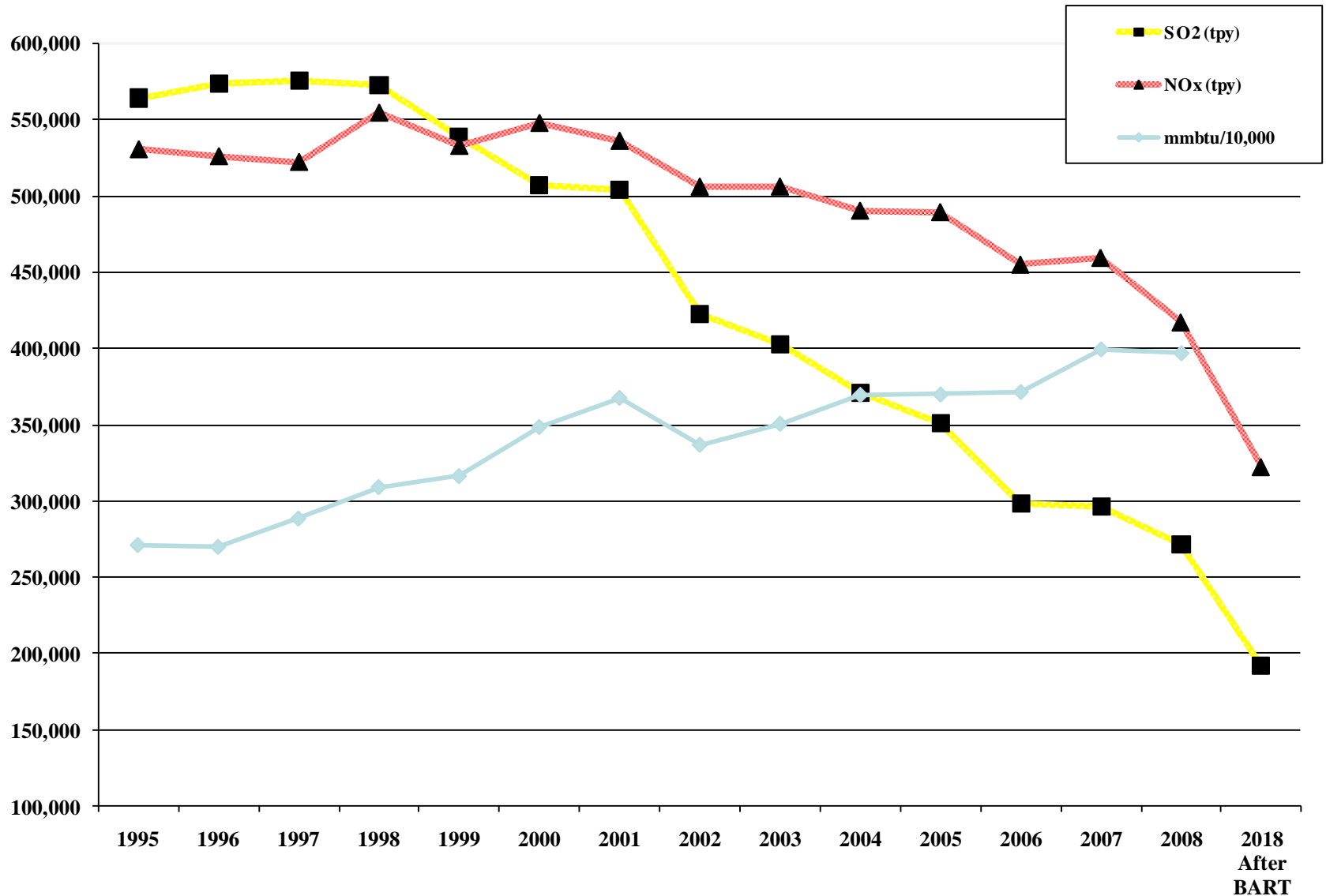




BART

THE SIMPSONS

Western State Power Plant Emissions* (1995-2008) and After BART**



* Currently operating coal, gas, and fuel oil-fired plants in the 11-state Western Interconnection

** Estimates for BART controls are from WRAP PRP18b emissions analysis at: [<http://www.wrapair.org/forums/ssjf/pivot.html>]

New WRAP Charter

- Multiple drafts July through October 2009
- Review and approval by current WRAP Board is almost complete
 - http://www.wrapair.org/forums/amc/meetings/091111_Nox/Revised_WRAP_Charter_October_2009.pdf
- New Board to be seated in next few months
- Compared to past WRAP efforts, activities will be limited because of resources as WRAP members identify work to be done under new Charter

Existing WRAP Charter & Board Structure

- Chartered in 1997
- Focus primarily on regional haze, including implementation of Grand Canyon Visibility Transport Commission recommendations
- Other air quality issues “as requested by the membership”
- Large, high-level Board – up to 31 members
 - Governors, Tribal Leaders, Agriculture/Interior Secretaries – EPA ex officio
 - 14 states, up to 14 tribes
 - USFS, NPS, FWS, EPA
- Highly structured Technical and Policy oversight with members from state, tribal, federal, industry, and environmental communities
 - Most committees have completed work and are inactive
- *Time for a change -*

New WRAP Charter - Purpose

The WRAP provides a venue for Western states, tribes, local governments, federal land managers and the USEPA to:

- 1) Maintain and update the regional haze work that WRAP has developed and continue to make the data and tools available for states and tribes to use as they implement their regional haze SIPs;
- 2) Develop a common understanding of current and evolving regional air quality issues in the West, such as regional haze, ozone, fine and coarse particulate matter, nitrogen deposition and critical loads, and mercury and other hazardous air pollutants;
- 3) Examine and discuss Western regional air quality issues from a multi-pollutant perspective;
- 4) develop and maintain regional databases that support regional and sub-regional technical analyses. This includes collection and analysis of data from various sources to produce regionally consistent, comparable, complete, and transparent results, able to be utilized and relied upon by individual jurisdictions and agencies;

New WRAP Charter Purpose, continued

- 5) collaborate with USEPA to ensure that, to the maximum extent possible, WRAP data and analyses are compatible with and leverage work conducted at the national level. This could include WRAP work to compile data and analyses related to international, off-shore, and other sources of air pollution affecting Western air quality;
- 6) evaluate the air quality impacts associated with regionally significant emission sources, such as mobile sources, fire, traditional and alternative energy development/extraction, windblown dust, and electricity generation, and, as warranted, to discuss regional and cross-jurisdictional strategies to improve air quality and mitigate the impacts from such sources;
- 7) consult with air quality agencies in other regions to prevent duplication of effort and enhance efficiency and consistency of databases and analyses;
- 8) evaluate how the impacts of climate change may affect air quality in the West; and
- 9) as requested by the membership, formulate and advance Western regional air quality policy positions on air quality.

New WRAP Charter - Membership

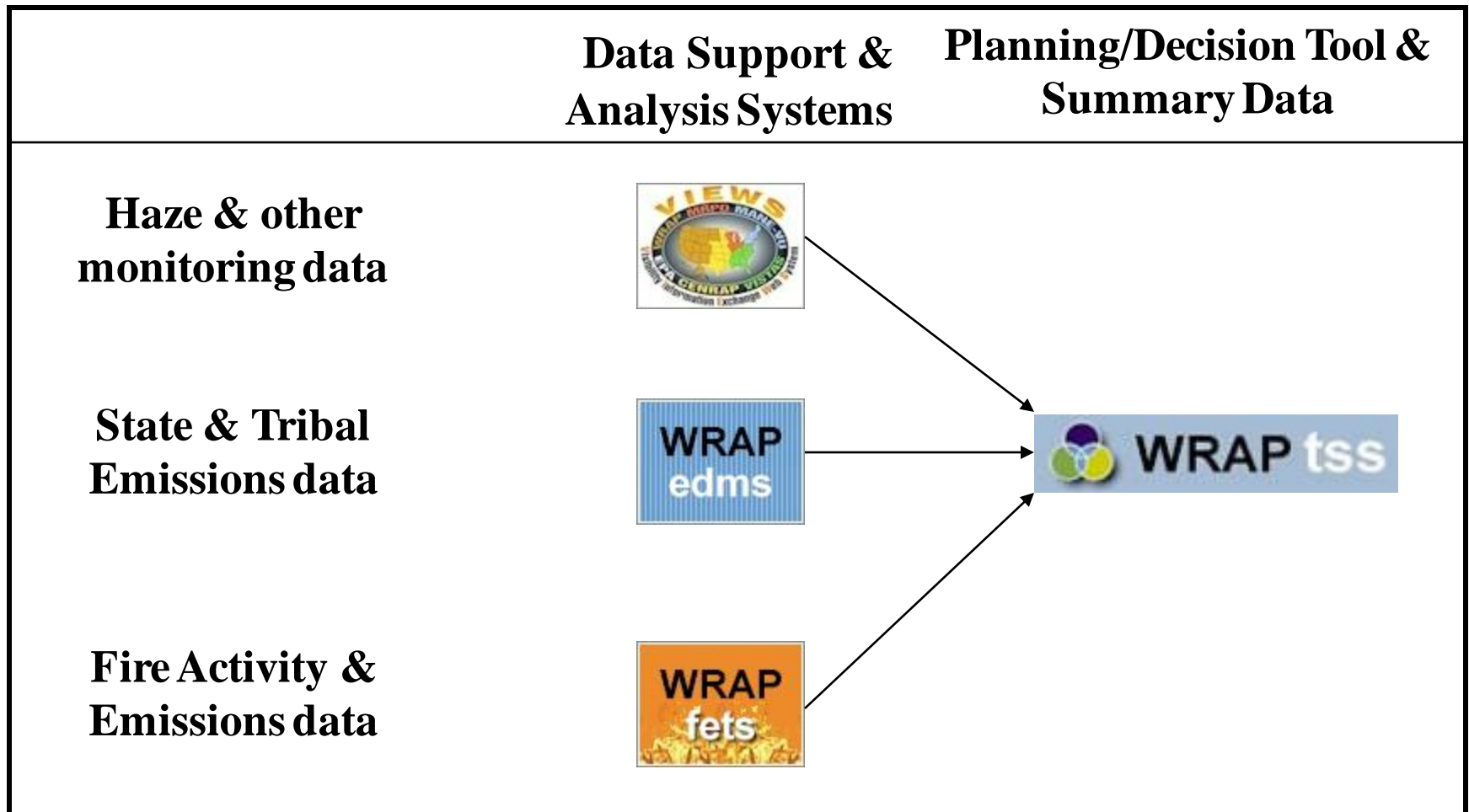
- Membership in the WRAP is open to all states, federally recognized tribes, and local air agencies located in the geographical region encompassed by the states of: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming.
- Membership in the WRAP is also open to the US Forest Service, National Park Service, Bureau of Land Management, Fish and Wildlife Service, and US EPA.
- In order to become a recognized member of the WRAP, eligible states, tribes, local agencies, and federal agencies shall submit an official letter to the WRAP requesting membership and designating primary and secondary contacts for the jurisdiction or agency.

New WRAP Charter - Board of Directors

- The WRAP Board of Directors shall consist of *five state, five tribal, five federal, and two local government representatives*. The state, tribal, and local directors shall be elected by their respective delegations to staggered two-year terms, with the option of extension based upon respective caucus discussion and approval. The directors representing eligible federal agencies shall be appointed by their agencies to staggered two-year terms.
- *Officers*
 - The officers of WRAP shall consist of a state and tribal Co-Chairperson, and a Treasurer and a Secretary elected from the membership of the Board of Directors.
- *Powers of WRAP Board*
 - In directing the activities of the WRAP, the Board of Directors may:
 - Solicit and accept funding;
 - Hire staff, or arrange for the provision of staff support, to carry out its activities;
 - Approve work plans;
 - Approve contracts for support from outside experts and consultants;
 - Establish a Technical Steering Committee from the membership to oversee and direct the technical and analytical work of WRAP staff, contractors, and work groups;
 - Establish Work Groups from the membership to manage specific elements of the work plan;
 - Call membership meetings.

2010 WRAP Activities

2010 – maintain and operate web data systems to support haze planning/implementation + transition to multi-pollutant analysis



Key findings from Santa Fe

- Multiple EPA standards in review, most likely to change/be added
 - Ozone health standard level
 - Separate Ozone secondary welfare standard
 - 1-hour NO₂ health added
 - NO_x/SO₂ combined secondary welfare (deposition)
 - PM_{2.5} and PM₁₀ health
 - Separate PM welfare (light extinction)
- Western air quality agencies will need to address:
 - Timing of planning/control strategy development for multiple standards
 - Planning to address various time/space/emissions scales of the standards and contributing sources
 - Various sources combining for differing regional transport contributions
 - Needs for local, sub-regional, and West-wide technical support

Thanks –

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