

Regional Haze Timeline and Work Remaining

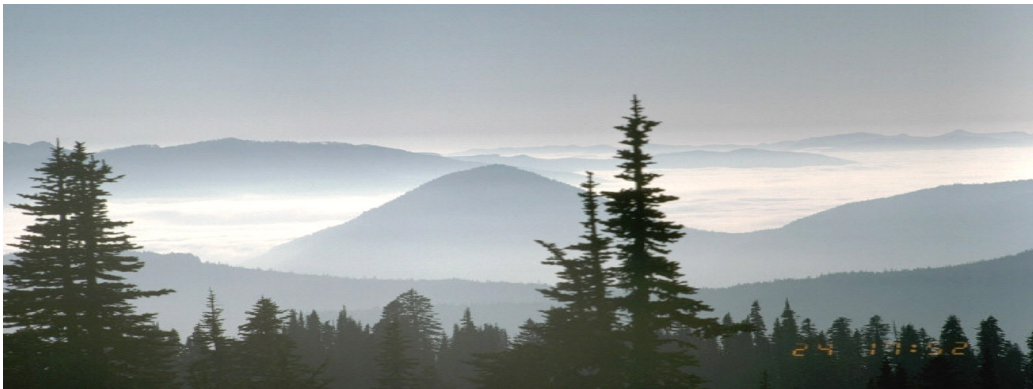
Susan S.G. Wierman, MARAMA

MANE-VU Board Meeting
Pittsburgh, PA
May 10, 2006



Objectives of presentation

- What's the general timeline?
- What are the SIP requirements?
- What work remains?
- Next steps?

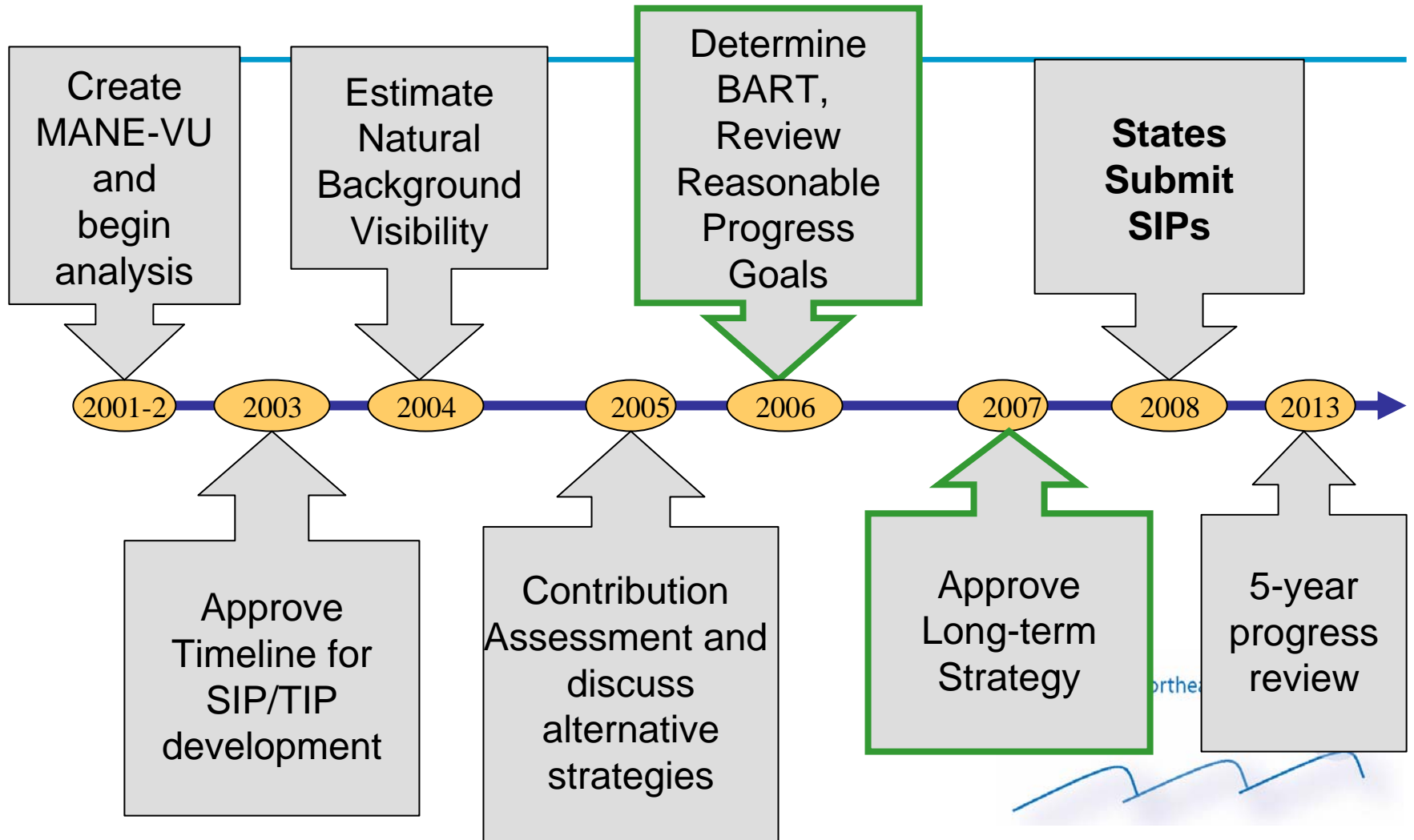


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Timeline of Key Decisions



SIP Due Dates

- BART SIP due December 2007
- Regional Haze SIPs due December 2007
- PM_{2.5} SIPs are due April 2008
- PM attainment date is April 2010
 - Data for 2007-2009 will determine attainment
- If attain by 2010, RFP is met
 - If not, linear progress from 2002 to 1/1/2010 (and 1/1/2013 if needed)



Tracking Reasonable Progress under the Haze Rule

- Progress will be tracked in 5-year increments using multi-year average visibility
 - 2000-2004 (baseline)
 - 2005-2009 (first 5 year milestone)(due 2012)
 - 2010-2014 (2nd 5 year milestone) (due 2017)
 - 2015-2019 (3rd 5 year milestone) (due 2022)

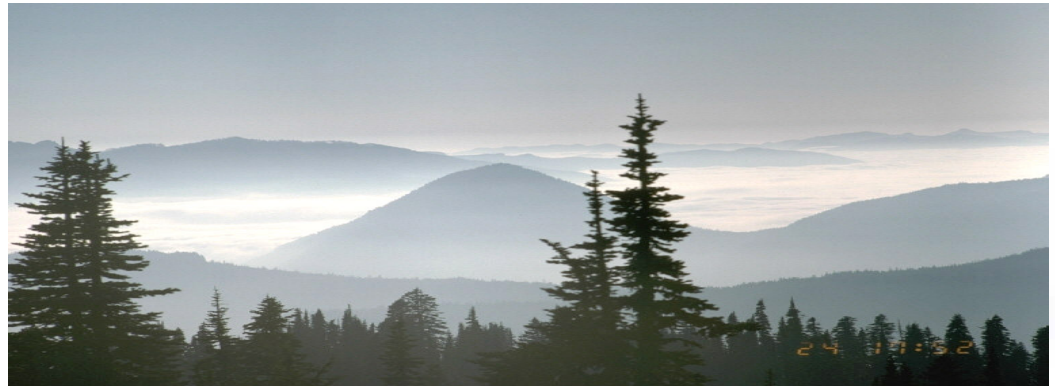
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The logo for the Mid-Atlantic/Northeast Visibility Union (MANEU) features a stylized blue mountain range with three peaks of varying heights, positioned below the text.

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Four Core Requirements of EPA's 1999 Regional Haze Rule

1. Calculate baseline & natural visibility conditions
2. Set reasonable goals for visibility improvement
3. Control grandfathered sources (BART)
4. Adopt additional control measures needed to achieve reasonable progress



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Additional SIP Elements

- Monitoring sufficient to assess progress
- Inventory of emissions contributing to visibility impairment
- Technical support documents
- Measures to mitigate impacts of construction
- Smoke Management
- Consultation

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Consultation is Required

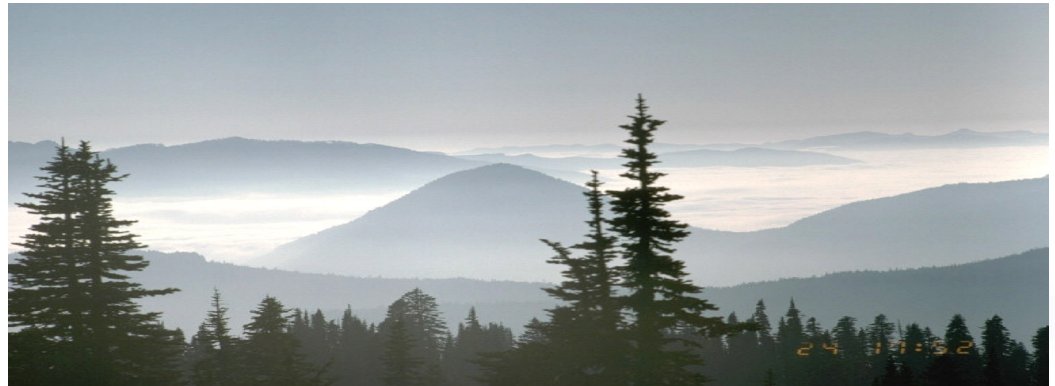
- States/Tribes must consult with Federal Land Managers in person 60 days before hearing on SIPs/TIPs to discuss
 - FLM's assessment of visibility impairment
 - Recommendations on reasonable progress goal
 - Control strategies to address visibility impairment
- Consult with other states on reasonable progress goals & long term strategy

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BART Actions

- MANE-VU Board agreed all BART-eligible sources would be deemed subject to BART
- BART work group recommends that all permit modifications to allow sources to cap out of BART be final by 12/17/2006
- Controls in place by 2013

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BART—Work Remaining

- Adopt enforceable permits to limit sources' emissions to less than 250 tpy
- Revise list of BART-eligible sources as needed
- Consider visibility, cost, useful life, timing and develop proposed individual BART requirements
- Consult with EPA, FLMs, other states/RPOs
- Adopt enforceable BART limits and schedules
- Conduct public hearing
- Submit BART SIP to EPA

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Baseline and Natural Conditions —Actions

- MANE-VU Board approved calculations using EPA recommended methods
 - Direction to track further developments
- IMPROVE Steering Committee has recommended changes
- Revised Baseline calculated
- Revised Natural Conditions calculations underway nationally

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Baseline and Natural Conditions —Work Remaining

- Obtain revised calculations of natural conditions from IMPROVE Steering Committee
- Consult with MANE-VU states, other RPOs, EPA, and FLMs concerning use of revised calculations
- Prepare final documentation and post for review

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Reasonable Progress Goals and Control Measures—Work Remains

- Review draft Contribution Assessment
- Analyze potential additional control measures
 - Visibility impacts, costs, energy & non-air quality impacts, timing
- Assess progress in relation to uniform rate
- Consultation

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Reasonable Progress Goals and Control Measures—Work Remains

- Prepare documentation
- Agree on goals & strategies
- Public hearing(s)
- Adopt enforceable emissions limits & compliance schedules
- Submit SIPs

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Issues—Reasonable Progress & Control Measures

- What additional control measures are reasonable for MANE-VU states?
 - Any measures beyond ozone and PM SIPs?
- Can we assume additional controls outside MANE-VIEW
- Determine reasonable progress targets

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Other SIP Elements—Work Remaining

- Complete Contribution Assessment
- Complete modeling and analysis & documentation
- Finalize Smoke Management Plan analysis
- Finalize Construction Mitigation analysis
- Finalize emissions inventory development & documentation
- Update SIP Template

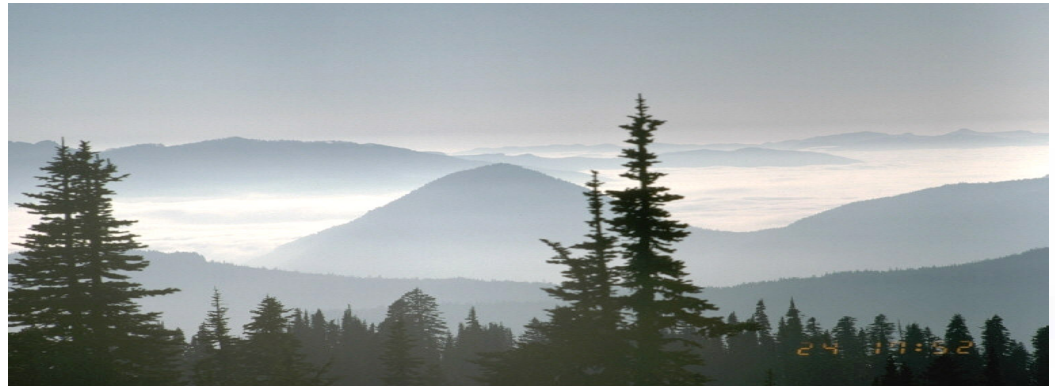
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Objectives of presentation

- What's the general timeline?
- What are the core requirements?
- What work and issues remain?
- Next steps?



Next Steps

- BART: States must take action now
 - Adopt enforceable permits that limit emissions to below 250 tons/year by end of 2006
 - Schedule face-to-face consultation with FLMs
 - Adopt enforceable permits and schedules that establish BART requirements for eligible sources
 - Submit SIP by 12/17/2007



Next Steps

- Baseline and Natural Conditions
 - NESCAUM will obtain revised calculations from IMPROVE
 - Inter-RPO consultation via data analysis work group
 - Class I states will consult with FLMs in person
 - Prepare supporting documentation
 - Present to MANE-VU Board



Next Steps

- Reasonable Progress Goals & Control Measures
 - BART determinations
 - State commitments regarding any additional control measures
 - Modeling and other technical analysis
 - Consultation with Federal Land Managers

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Next Steps

- Additional SIP Elements
 - Complete emissions inventory development, Contribution Assessment, modeling, analysis
 - Complete documentation of technical analysis
 - Enhance draft SIP Template
 - Finalize Smoke Management and Construction Mitigation documents

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Information Links

- PM2.5 Implementation Rule
 - <http://www.epa.gov/oar/particlepollution/actions.html>
- PM2.5 technical information
 - <http://www.epa.gov/oar/particlepollution/>
- Haze SIP Template (2005 draft)
 - <http://www.manevu.org/> under publications
- EPA haze regulatory actions website
 - <http://www.epa.gov/oar/visibility/actions.html>

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Regional Planning for Improved Visibility



*Reducing Regional Haze for Improved
Visibility and Health*

Acadia National Park