

MANE-VU Technical Support Committee Update

OTC/MANE-VU Committee Meeting: September 13, 2012
Hall of the States, Washington, DC

Overview

1. Particular Matter NAAQS Review
2. MANE-VU Grant Projects
 1. PM Conceptual Model Update
 2. 5-Year Look-back
3. Future Work



Particulate Matter NAAQS Review

- ▶ EPA proposed an updated PM NAAQS on June 29, 2012
- ▶ The PM NAAQS proposal included a secondary NAAQS concerning urban visibility
- ▶ A TSC workgroup was formed to review the proposal and develop comments on the secondary standard
- ▶ Recommended:
 - ▶ An improved algorithm that would allow for hourly visibility estimates
 - ▶ A pilot program to improve direct monitoring of visibility
 - ▶ An implementation rule to implement these that is developed collaboratively with the states



PM Conceptual Model

- ▶ NESCAUM updated the regional conceptual model for PM and haze formation
- ▶ Included more recent studies relevant to pollution transport in the MANE-VU region appearing since the 2010 version
- ▶ Different pollutants contribute to PM at the regional and local levels
 - ▶ Regional contribution driven by sulfates and organic carbon
 - ▶ Local contribution derived from SO₂, NO_x, organic carbon and primary PM_{2.5}



Regional Haze SIP: 5 Year Look-back

- ▶ Regional Haze SIP requires reassessment 5 years after submittal
- ▶ MARAMA is developing several projects for the 5 year look-back
- ▶ Emissions trend analysis
 - ▶ State level sector & subsector analysis – charts & tables
 - ▶ Discussion of anomalies resulting from changes to inventory methodologies
 - ▶ 167 stack emissions analysis
- ▶ SIP Template for 5 year look-back



Future Work

- ▶ Updating the visibility trends analysis (NESCAUM)
- ▶ Analysis of emission reduction potential from non-SO₂ sources (NESCAUM)
- ▶ Regional Haze SIP & Low Sulfur Rule tracking



Questions?

Acadia, ME



Brigantine, NJ

