

MANE-VU Technical Support Committee Update

**OTC/MANE-VU Fall Meeting: November 19, 2014
Arlington, VA**

Overview

1. CHP Workgroup
2. Current Visibility Trends
3. Regional Haze SIP Planning

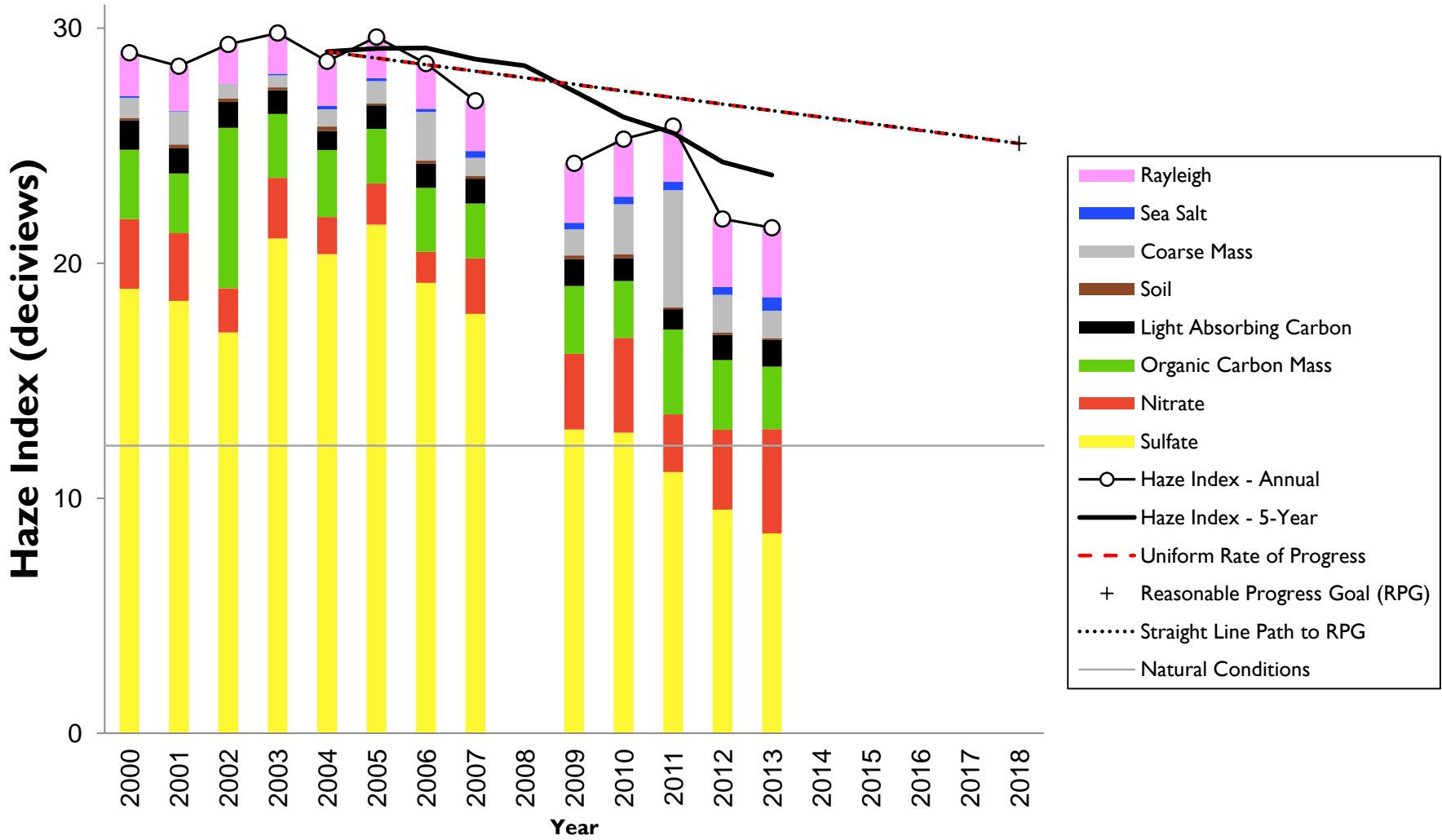


CHP Workgroup

- ▶ Workgroup examined emission benefits of installing Combined Heat and Power (CHP) Systems
- ▶ MANE-VU CHP Systems:
 - ▶ Technical Potential was 38 GW
 - ▶ Newer report from NYSERDA expected to have lower estimate
- ▶ Workgroup estimated emission reductions from:
 - ▶ Onsite: Replacement of existing boilers with natural gas units
 - ▶ Case 1: CHP Units meet current regulations
 - ▶ Case 2: Assumed all OTC NOx model rules adopted
 - ▶ Offsite: The EGU sector projected using ERTAC EGU (v2.2) assuming CHP would replace coal generation
- ▶ Onsite emissions estimates are complete, offsite emissions estimate should be complete in early 2015



Visibility Trends in Brigantine, NJ (Worst 20%)



Regional Haze SIP Planning Checklist

Regional Activity	Short Term Status
Training	<ul style="list-style-type: none">•First training scheduled for Spring 2015
IMPROVE Data Analysis	<ul style="list-style-type: none">•Waiting for 2014 IMPROVE data in Summer of 2015
Emissions Inventory Development & Analysis	<ul style="list-style-type: none">•2011 inventory is well under way•2028 projections to commence after Fall Meeting
Modeling	<ul style="list-style-type: none">•Modeling to begin in 2015.•Will conduct photochemical, source apportionment, and trajectory modeling
Strategy Development & 4-Factor Analysis	<ul style="list-style-type: none">•Process has begun through 4-Factor Workgroup, but requires source apportionment/trajectory
RPG Development & Consultation	<ul style="list-style-type: none">•Requires source apportionment/trajectory and 4-Factor work
Documentation	<ul style="list-style-type: none">•Documentation will be completed by the lead group and use 2008 SIP documentation as a template when possible



Regional Haze SIP Planning Timeline

2014	2015	2016	2017	2018
1. Estimate Visibility Conditions				
2. Inventory Development				
	3. Modeling			
4. Ongoing Technical Support				
	5. Prepare TSDs			
		6. Identify Strategy Options		
	7. Develop and Adopt Model Rules (if necessary)			
		8. Update Reasonable Progress Goals		
			9. Develop Long Term Strategy/SIP	
				10. Submit SIP



MANE-VU For Stakeholders

- ▶ CHP Status Report should be ready for public comment in early 2015
- ▶ Expect opportunities to comment on Haze SIP inventories and modeling in the Spring of 2015



Questions?

Acadia, ME



Brigantine, NJ

