

Mid-Atlantic/Northeast Visibility Union
MANE-VU



OTC/MANE-VU
FALL 2022
STAKEHOLDER MEETING
SEPTEMBER 21, 2022

MANE-VU Technical Support Committee

Co-Chairs Sharon Davis, NJDEP and David Healy, NHDES



MANE-VU and Nearby Class I Areas

Presentation Overview

- TSC Activity
- Updated Regional Haze Metrics
- Cross-Committee Efforts
- Near-Term Focus Areas

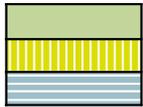
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As of August 23, 2022

MANE-VU Agency Regional Haze SIP Progress Chart

Complete
In-Progress
Waiting

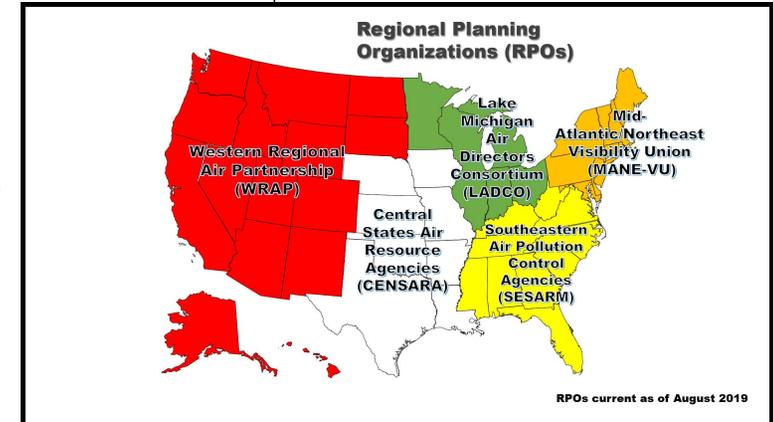


	IMPROVE Data Analysis	Inventory Development & Analysis	Modeling	Consultation with contributing states	State 4-factor analyses completed	Response to MANE-VU Ask Developed	Long-term strategy developed	Initial draft of SIP developed	State rules drafted (as appropriate)	FLM/EPA consultation	Draft SIP Submittal 60-day Clock Started	Public Hearing/Comment	Final SIP Submittal	At EPA	SIP Approved
CT	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	In-Progress
DC	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete
DE	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	In-Progress
MA	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	In-Progress
MD	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	In-Progress
ME	Complete	Complete	Complete	Complete	In-Progress	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete
NH	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	In-Progress
NJ	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete
NY	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	In-Progress
PA	Complete	Complete	Complete	Complete	In-Progress	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete
RI	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	In-Progress	Complete	Complete	Complete	Complete
VT	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	In-Progress	Complete	Complete	Complete	Complete

RPO Coordination

Collaborated with other RPOs on the following topics:

- What timeframe is envisioned for 3rd planning period?
 - MV to possibly start discussions in 2023
- What emissions inventories are needed and when?
 - SIP-quality modeling for RPGs
 - NEI and AMPD for 51.308(g)(4)
 - Others depending on analysis techniques
 - By 2025, best guess
- National inventory collaboration?
 - Helpful last time but room for improvement



Visibility Data Workgroup

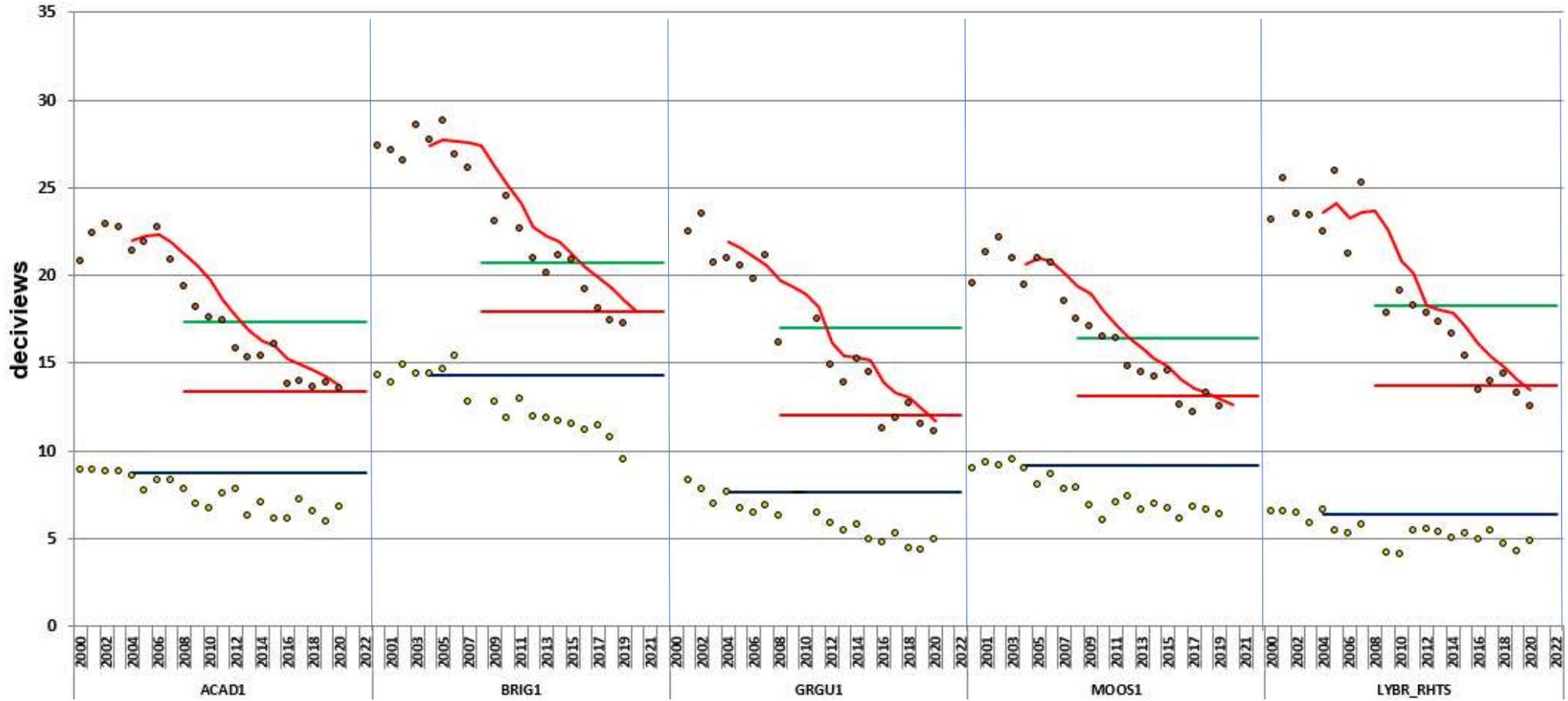
- Pick up where MEDEP left off
- Focus on workload sharing and redundancy
- Training being provided to members
- Workplan being drafted
- Kickoff and training calls held

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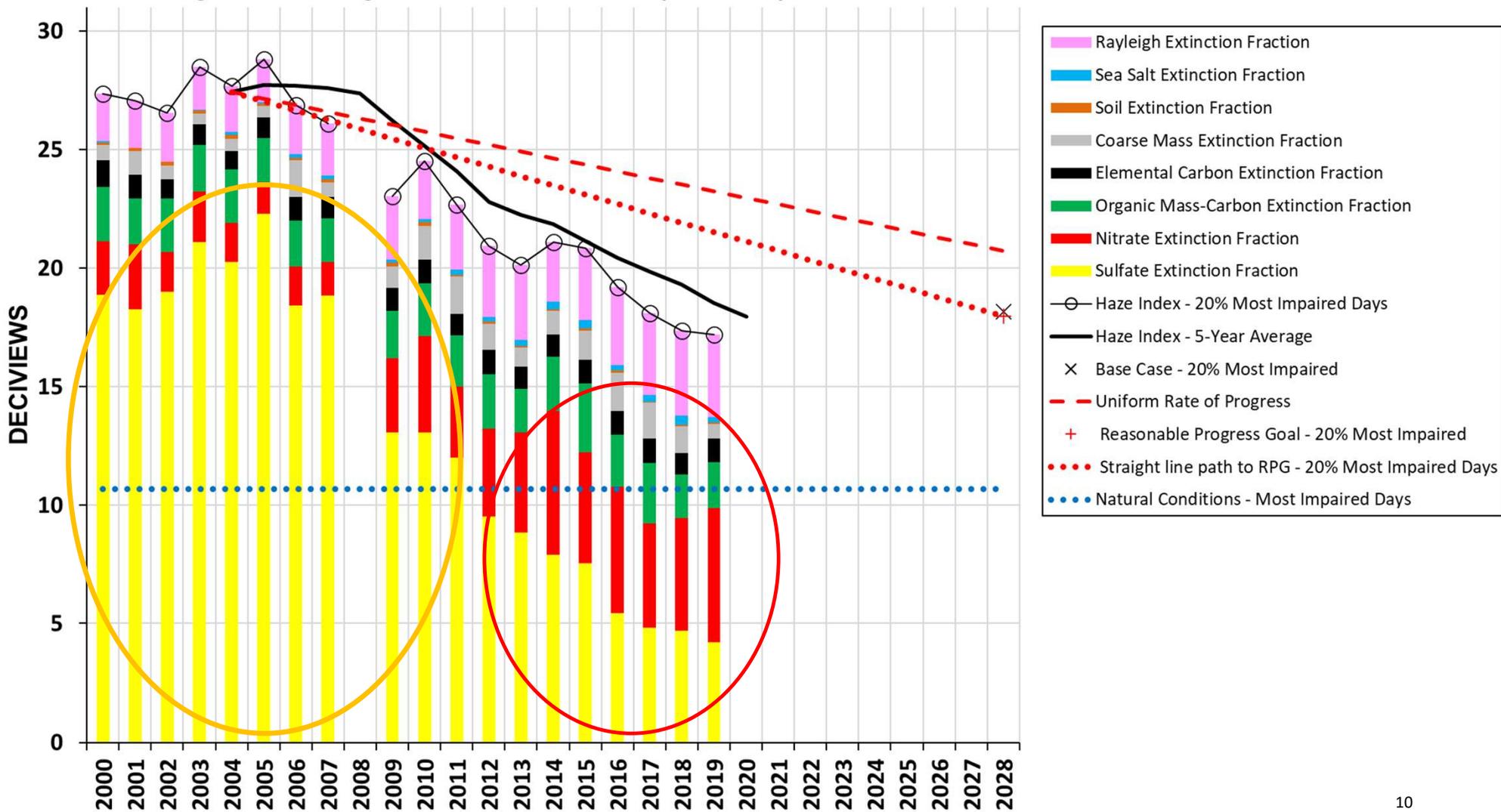
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20% MOST IMPAIRED DAYS METRICS / 20% CLEAREST DAYS METRICS

● 20% Most Impaired Days
 — No Deg.
 — 2028 URP
 — 2028 RPG
 ● 20% Clearest Days
 — Haze Index 5-Year



Brigantine, NJ Regional Haze 20% Most Impaired Days Trends



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Cross-Committee Efforts

- Joint OTC MANE-VU comments on EPA's Proposed Rule – Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards
 - TSC comments emphasized the importance of reducing nitrates to reduce secondary particle formation and improve visibility
- Residential Wood Combustion
 - TSC Co-Chair is participating in OTC SAS/NESCAUM efforts to examine and improve inventory EFs, including those for residential wood

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Near Term Focus Areas

- Monitor visibility trends, including those needed for 5-year progress reports **(NOTE: PRs due in 2025, work may need to begin as early as 2023)**
- Continue Inter-RPO discussions, particularly those related to base year inventories (will require coordination with OTC)
- Track research on impacts of emission reductions and changing atmospheric chemistry on effectiveness of future haze measures
- Cooperatively leverage resources and activities with OTC and NESCAUM to:
 - a. Provide multi-pollutant perspective of co-benefits from regional haze measures;
 - b. Examine winter wood combustion contributions to haze; and
 - c. Use remote sensing observations to understand NO_x emissions and lifetimes.



Roosevelt Campobello International
Park, NB

Questions? Thank You!

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Moosehorn, ME

Acadia, ME

Presidential Range –
Dry River, NH

Brigantine NJ
07/30/2010

Lye Brook
Wilderness, VT