

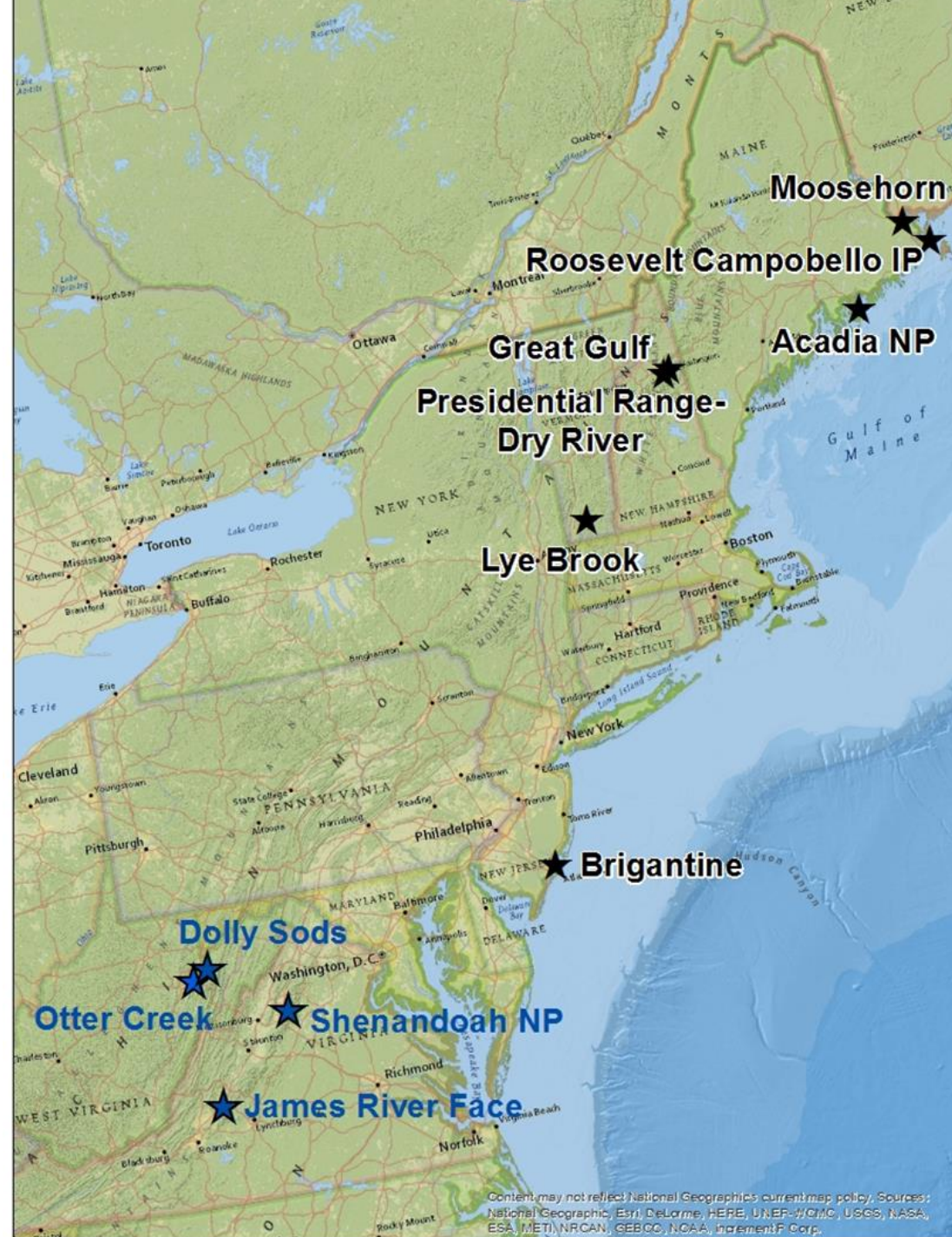
OTC/MANEVU
STAKEHOLDER
VIRTUAL MEETING
APRIL 21, 2023

MANEVU Technical Support Committee

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



MANEVU and Nearby Class I Areas



Presentation Overview

- TSC Workplan & Timeline
- Updated Regional Haze Metrics
- Recent TSC Activity
- Future Coordination
- Summary & Recap

Presentation Overview

- TSC Workplan & Timeline
- Updated Regional Haze Metrics
- Recent TSC Activity
- Future Coordination
- Summary & Recap

TSC Workplan: 1Q2023 – 1Q2024

1Q 2023	2Q 2023	3Q 2023	4Q 2023	1Q 2024
---------	---------	---------	---------	---------

Deliverable	Activity	Sub-Activity	Notes	Comments	1Q 2023	2Q 2023	3Q 2023	4Q 2023	1Q 2024
TSC General	Update Air Directors	ADs/Committees/Stakeholders	Monthly Calls and Yearly Meetings		.	.	.	.	.
RH Metrics	Complete Annual RH Metrics Plots	Workgroup produces 2021 metrics/plots	2021 plots in 2023; 2022 plots in 2024; 2023 plots in 2025, etc.	See Visibility Workgroup Timeline for specific tasks and timeframes.	.				.
		Present to ADs/Committees/Stakeholders				.			
	Draft 2021 Metrics report	Final Workgroup review of 2021 metrics report				.	.		
		Final TSC review of 2021 metrics report				.	.	.	.
Progress report on 2nd rnd RH SIP	Draft Template			40 CFR Part 51.308(g)	.	.	.		
		Complete technical analyses for progress report	Assess status Long-term strategies				.	.	.
		Assess status of control measures in other states					.	.	.
		Assess Emissions trends in MANEVU and Contributing States					.	.	.
		States begin 45 day FLM Review							
		Final Submittal to USEPA			Due 01/31/2025				
TSC General	Update Air Directors	ADs/Committees/Stakeholders	Calls and Meetings		.	.	.	.	.
3rd RH SIP Planning Phase	RPO Coordination	Inventory for 3rd RH Planning	Quarterly Calls	As needed.		.	.		
	Request OTC Modeling Committee perform 2038 Projection Run		Will need 2028 projected inventory	Milestone date TBD			??		??
	MANEVU Asks developed for RP	TBD	Will need Controlled 2028 projected inventory	Milestone date TBD					
	120 RH consultation period starts			Milestone date TBD					
	3rd RH SIP due to EPA			40 CFR Part 51.308(f): Due date is July 1, 2028					

Presentation Overview

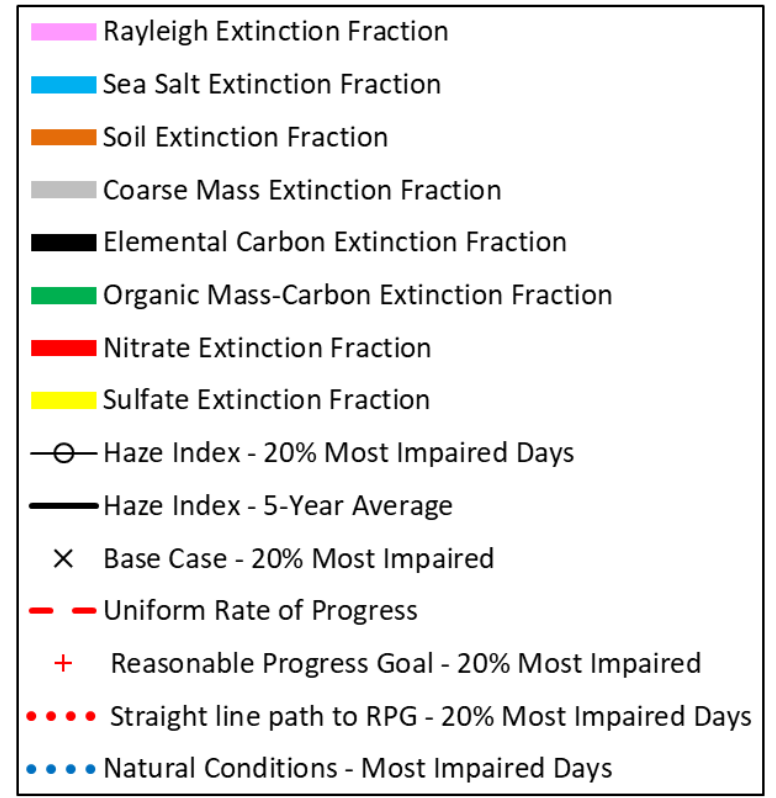
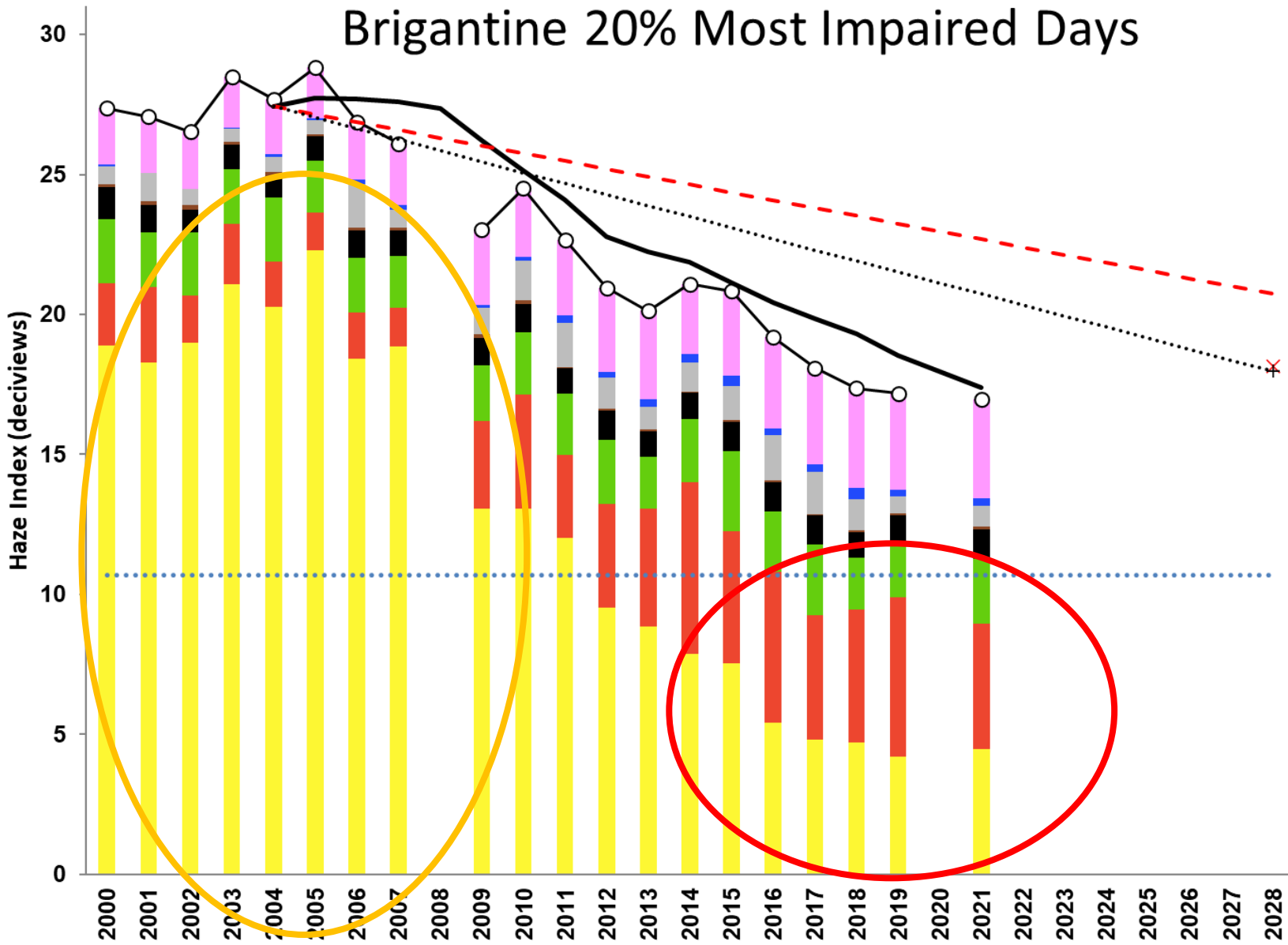
- TSC Workplan & Timeline
- **Updated Regional Haze Metrics**
- Recent TSC Activity
- Future Coordination
- Summary & Recap

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

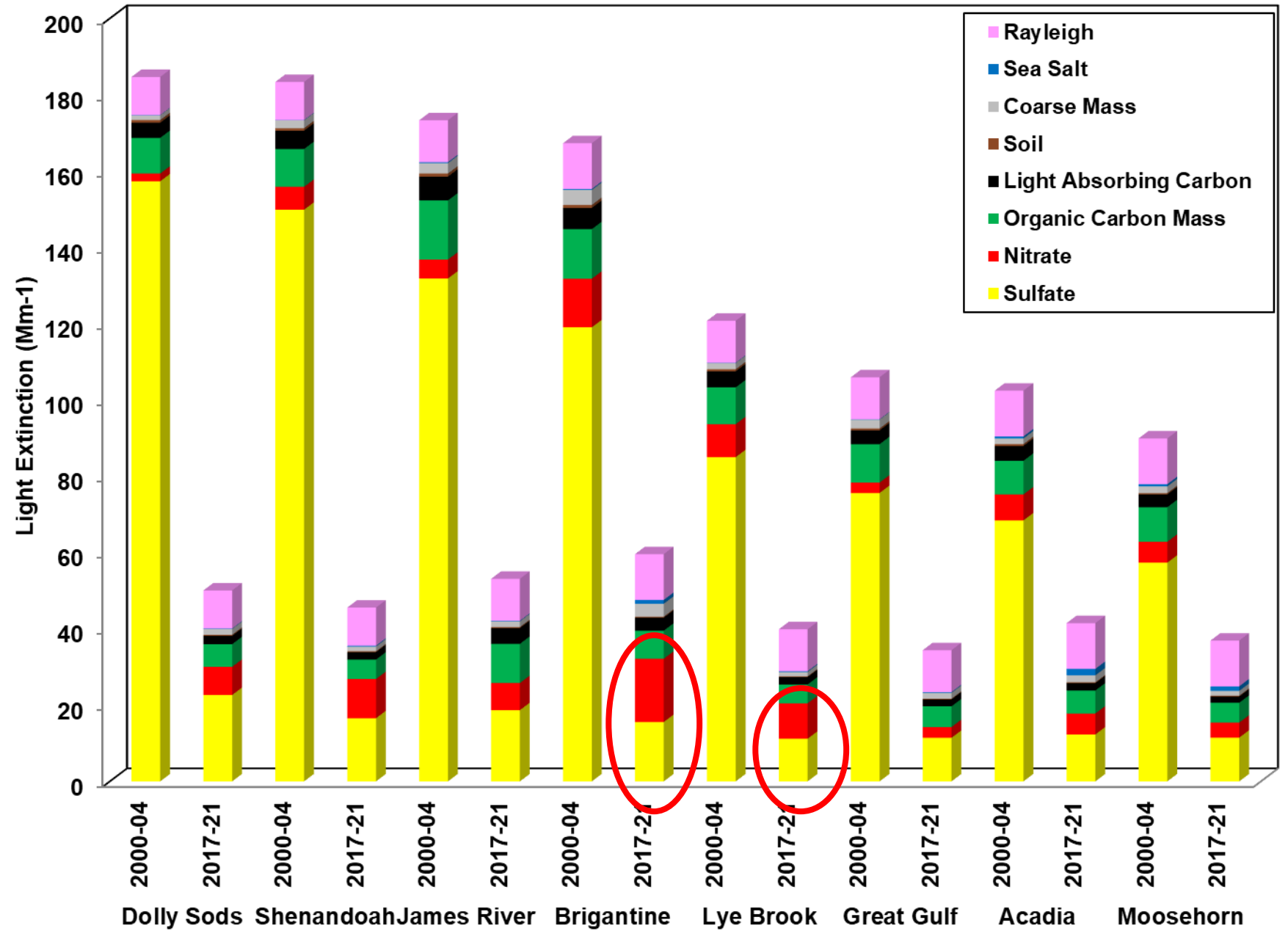


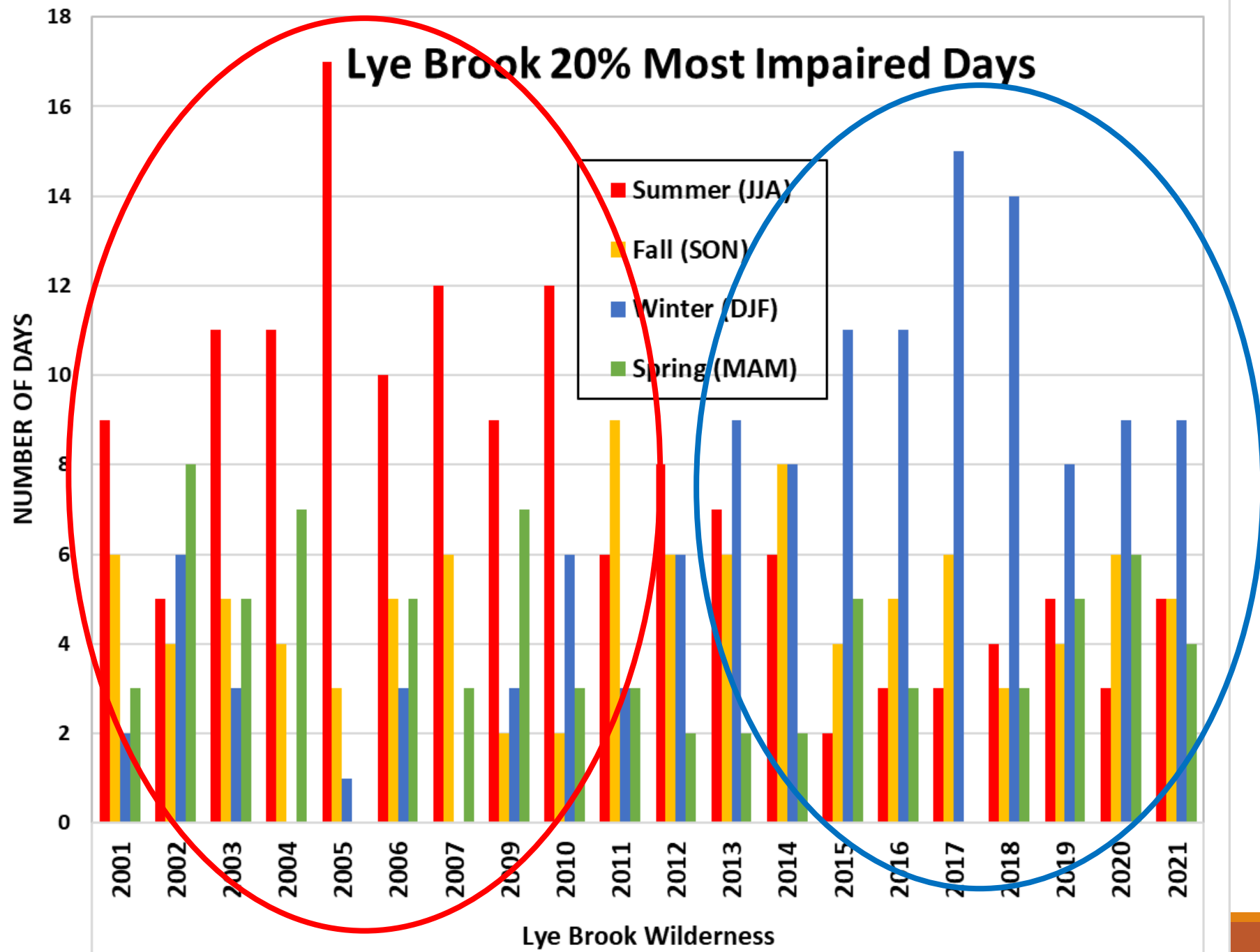
Brigantine 20% Most Impaired Days



20% Most Impaired Day Analysis:

Base Year (2000-2004)
vs.
Current (2017 - 2021)















Presentation Overview

- TSC Workplan & Timeline
- Updated Regional Haze Metrics
- **Recent TSC Activity**
- Future Coordination
- Summary & Recap

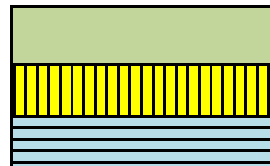
MANEVU Regional Haze SIP Progress Chart

	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																
DC																
DE																
MA																
MD																
ME																
NH																
NJ																
NY																
PA																
RI																
VT																

Complete

In-Progress

Waiting



EPA Findings of Failure to Submit 2nd Planning Period Regional Haze SIPs

- Posted in FR on August 30, 2022 (87 FR 52856)
- Effective September 29, 2022
- 15 states (including four MANEVU states)
- Two years until FIP unless state submits, and EPA approves, SIP
- EPA committed to working with affected states

MANEVU Progress Report Template

REGIONAL HAZE PROGRESS REPORT
FOR THE
SECOND PLANNING PERIOD

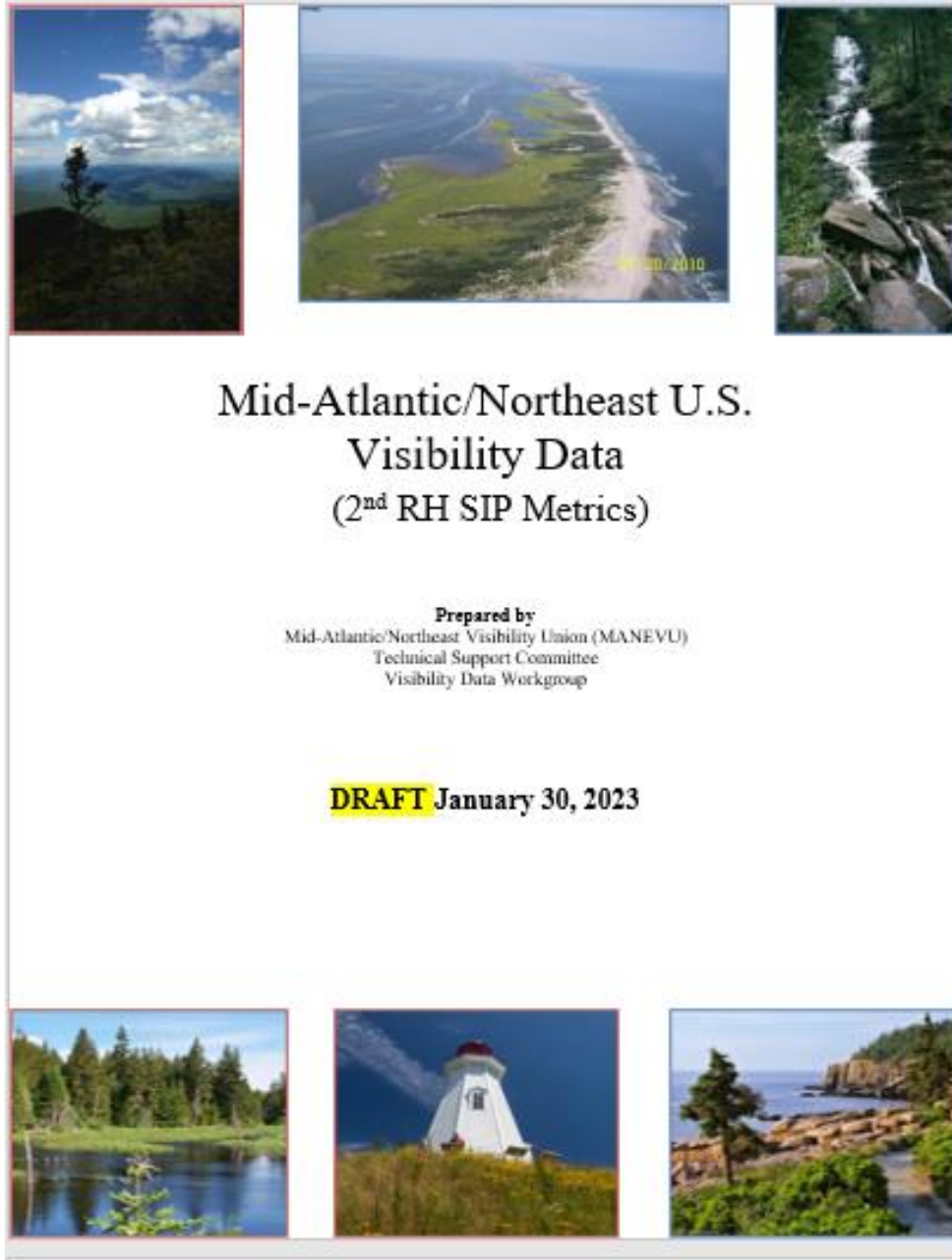
[State Name]
[Date]

Mid-Atlantic/Northeast Visibility Union

MANEVU Progress Report Template

- Template layout follows structure of RHR PR requirements
- Will provide a consistent layout for states to start from
- Consistent format will expedite Federal partner and stakeholder review
- PRs are not formal SIP submittals
- RH SIP template is also being drafted

2021 Visibility Metrics Report



2021 Visibility Metrics Report

- Visibility metrics and trends
- Speciation plots
- Seasonality plots
- MANEVU and nearby IMPROVE sites
- MANEVU and nearby IMPROVE Protocol sites
- Easy pasting of tables & charts into PRs, SIPs, and slide decks

Presentation Overview

- TSC Workplan & Timeline
- Updated Regional Haze Metrics
- Recent TSC Activity
- **Future Coordination**
- Summary & Recap

Future Coordination

- OTC SAS Committee
 - Inventory: 2022 BY, 2038 FY and 2038 FYC
- OTC Mobile Sources Committee
 - Track mobile source rulemakings
- OTC Modeling Committee
 - Modeling Runs: 2022 BY, 2038 FY, 2038 FYC
 - Co-benefits of regional haze measures

Presentation Overview

- TSC Workplan & Timeline
- Updated Regional Haze Metrics
- Recent TSC Activity
- Future Coordination
- **Summary & Recap**

Summary & Recap

- Q1 2023 through Q1 2024, TSC will focus on:
 - ✓ Visibility metrics
 - ✓ 2nd PP Progress Reports
 - ✓ Planning for 3rd PP
- 3rd PP Timeline has been established
 - ✓ Will need Future Year 2038 model runs

Summary & Recap (Continued)

- MANEVU Class I areas on track to meet RPGs, but recent trends flattening or even going up
- Atmosphere is changing with respect to RH; nitrates proportionally more important

Summary & Recap (Continued)

- Most MANEVU 2nd PP RH SIPs are now with EPA
- EPA committed to working with FIP'ed states to develop and approve RH SIPs before FIP deadline
- TSC has produced a draft PR template
- RH SIP template is in the works

Summary & Recap (Continued)

- TSC has produced a draft 2021 RH Metrics Report
- Workgroup approach
 - Benefits include:
 - ✓ Workload sharing
 - ✓ Multi-state capability

Summary & Recap (Continued)

- TSC will coordinate with OTC SAS, MSC, and MC

Moosehorn, ME



Roosevelt Campobello International Park, NB



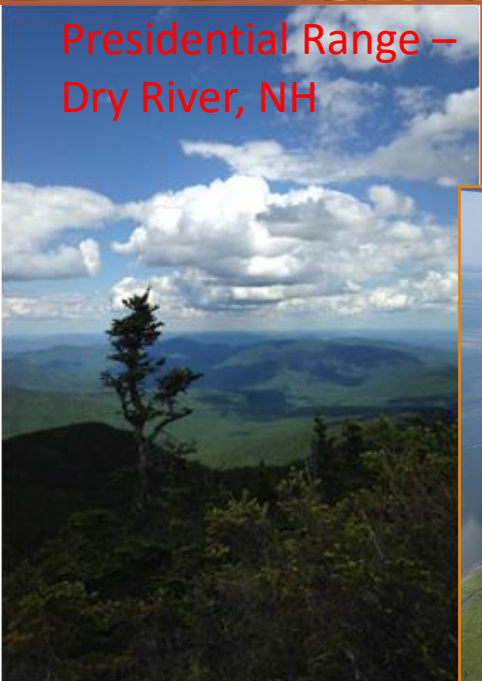
Acadia, ME



Lye Brook Wilderness, VT



Presidential Range – Dry River, NH



Brigantine NJ



Questions? Thank You!

Sharon Davis (NJ), MANEVU TSC Co-Chair
sharon.davis@dep.nj.gov
(609) 292-6722

David Healy (NH), MANEVU TSC Co-Chair
david.healy@des.nh.gov
(603) 271-0871

Paul Miller (MANEVU/OTC), Lead Manager
pmiller@nescaum.org
(617) 259-2016