

ILLUSTRATIVE EMISSIONS AND DESIGN VALUE MODELING RESULTS

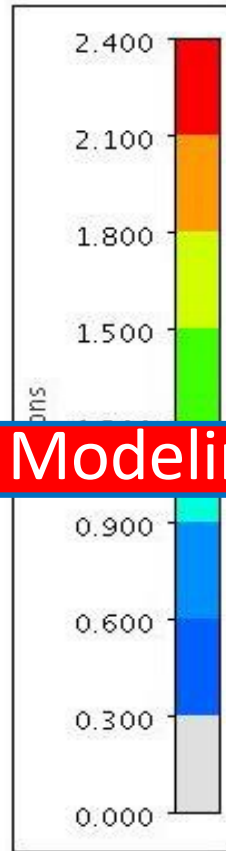
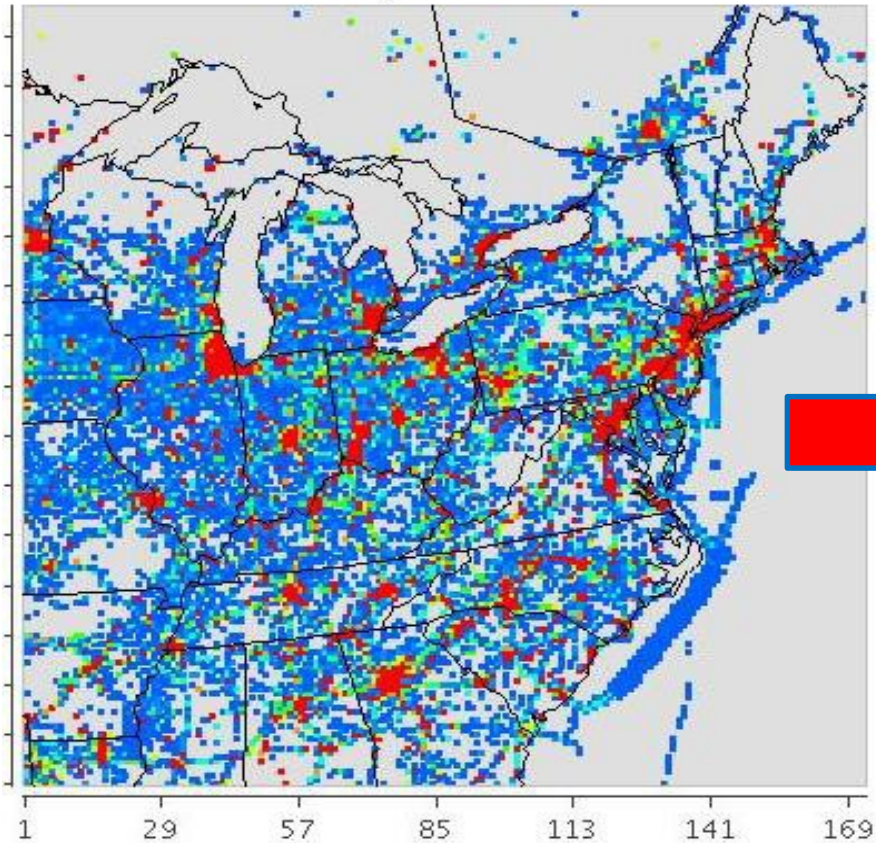
Jeff King
Chief, Energy and Climate

MWAQC-Technical Advisory Committee
July 26th, 2017

Agenda Item 5

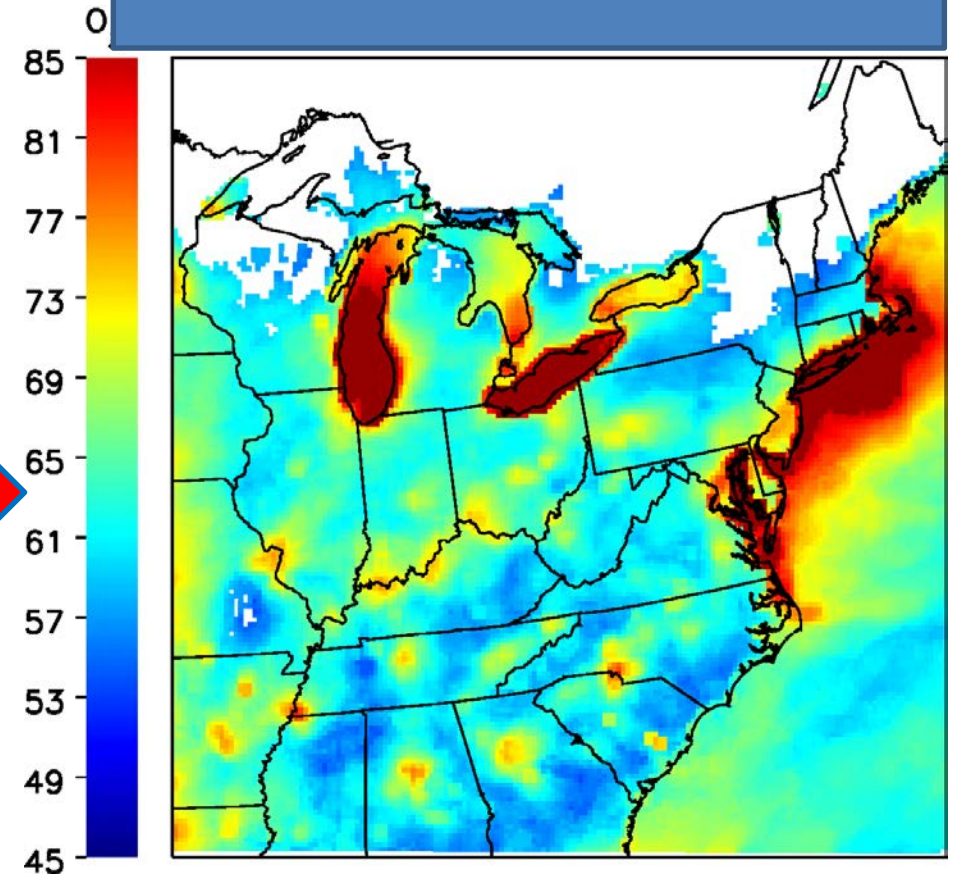
4. OTC Modeling

Emissions

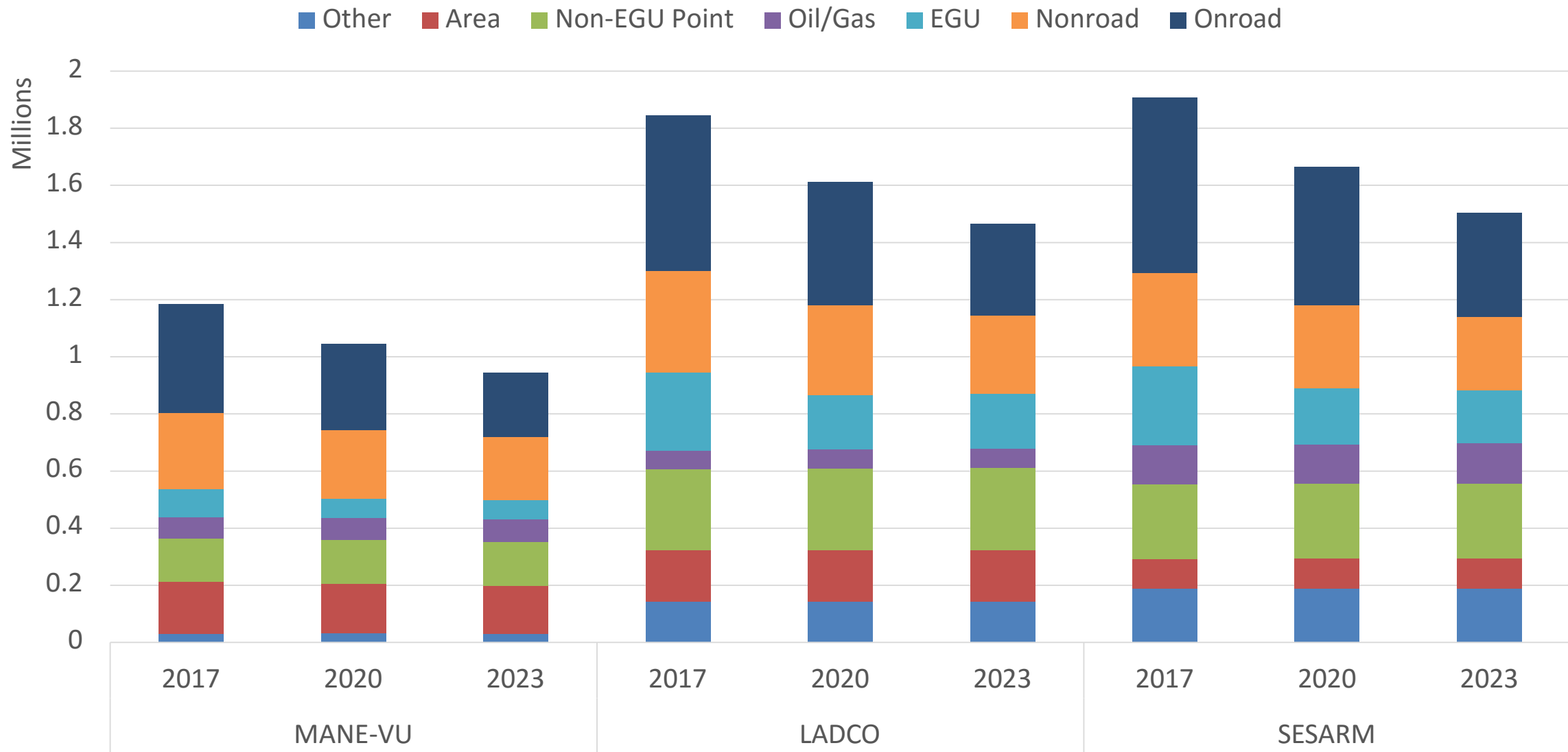


Modeling

Ozone

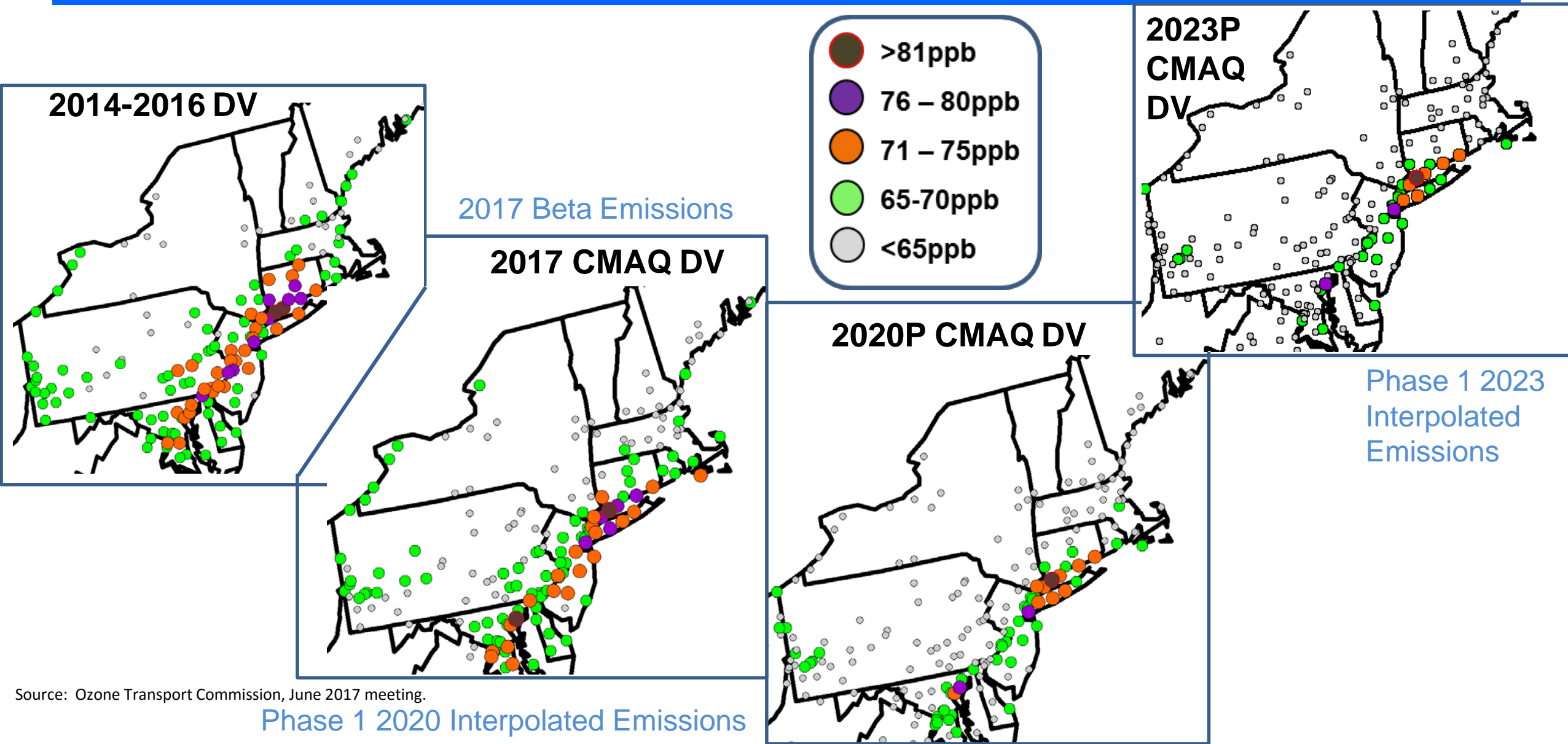


4. Annual NOx Emissions Inventories



Source: Ozone Transport Commission, June 2017 Meeting.

4. Recent OTC Modeling – Projected Year Comparison



Source: Ozone Transport Commission, June 2017 meeting.

Phase 1 2020 Interpolated Emissions

Illustrative Historical NOx Emissions and DV Trend

Year	2002	2009	2014	2025
~NOx (tons per day)	597	362	297	182
~Design Value Range (ppb)	97	85	72	?

Illustrative NOx Source Sector Contributions (tons per day)

Source Sector	~% Share	2014	2025	2030
Point	22	65	66	68
Area	3	9.6	9.8	9.9
MAR	7	20	22	23
NonRoad	17	52	30	28
On Road	47	137	41	27
Quasi-Point	4	14	14	14
Total	-	297	182	170

Sources: 8-Hour Ozone SIP, 2007; Draft Maintenance Plan for Ozone, 2017.