

Area Source Inventories

LISA RECTOR, POLICY AND PROGRAM DIRECTOR

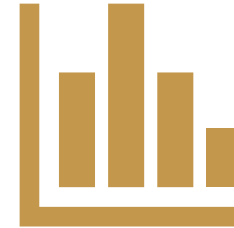
NESCAUM

9/26/2023

What's the Deal



For more than 30 years, Major sources of air pollution have been the primary focus



Data collection driven by this focus

Major sources – detailed data available. down to the emission unit level.

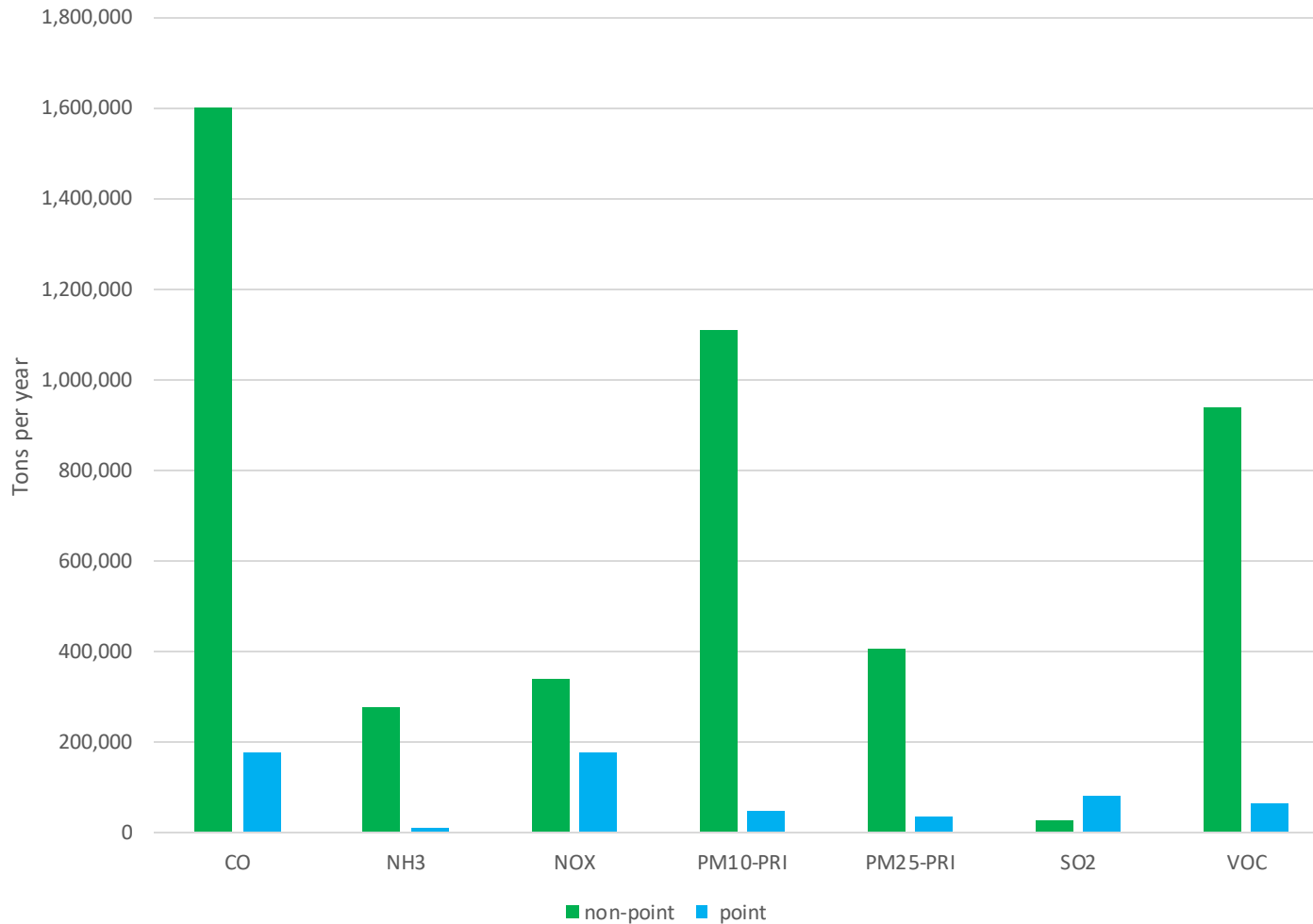
Area sources – estimates from meta data. Data issues abound:

- Don't have detailed location data on these sources
- Many have EF based on decades old data

Challenges

- Limited to no data in S/L/T data sources

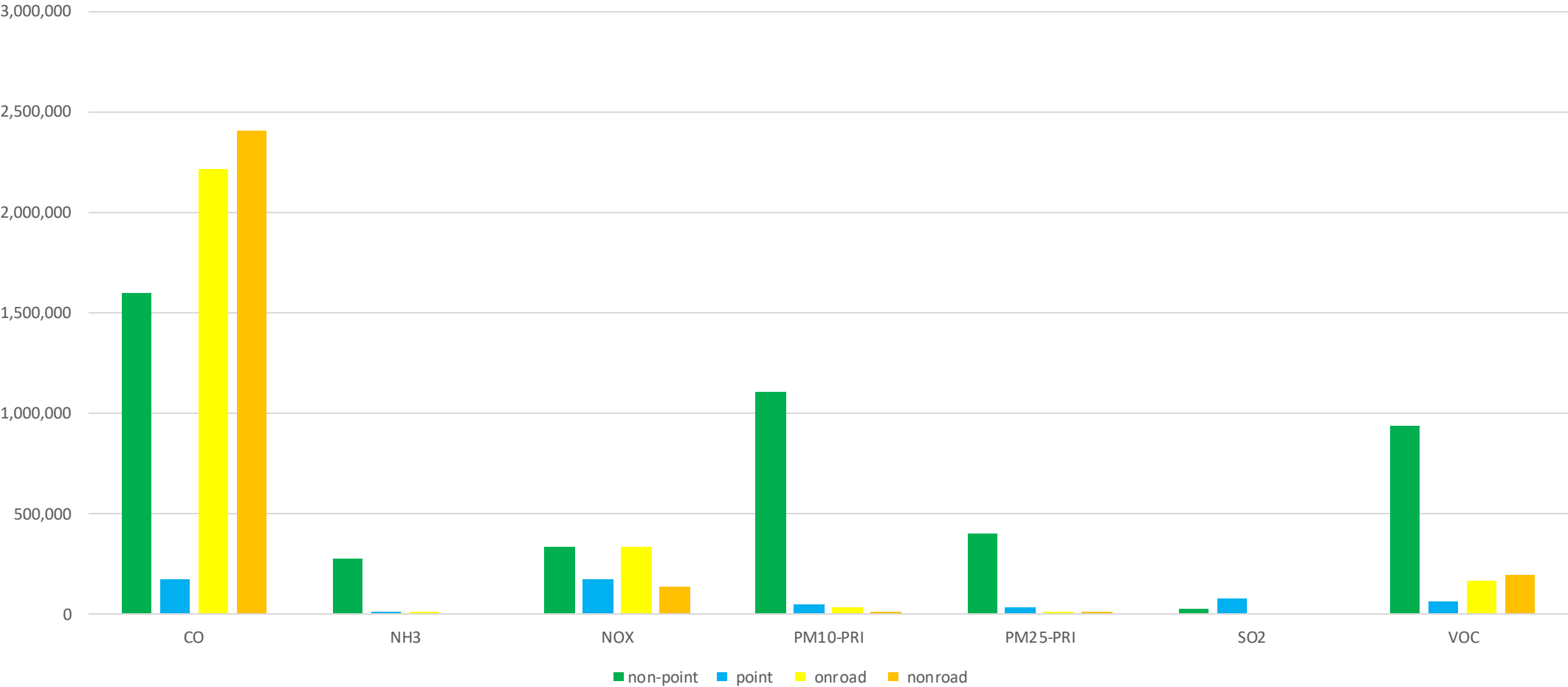
Emissions from Non-Point and Point Sources in the OTC (NEI 2020)



Why revisit area source inventories?

- Impacts of Area Sources increasing and becoming more important.
- Inventories
 - inform policy direction
 - Directs climate strategies
 - Inform research efforts
- Area source inventory data issues may lead to maladaptation

Emissions by Category in the OTC (2020 NEI)



Excludes biogenic emissions

Single SCC covers wood boilers at:

- Pulp and Paper Mills
- Power Plants
- Pellet Manufacturing Facilities
- Sawmills
- ICI Thermal Heating

SCCs for Residential Wood Heating do not capture full inventory of appliances sold

- NEI assumes all devices sold after 1988 meet an emission standard
- Not tracking large numbers of residential wood heating appliances not certified under the rule due to exemptions – barrel stoves, camp stoves, cookstoves, etc.

Examples

Thoughts for fixing it



Revisit SCC – are they providing the information you need



Look for opportunities to obtain data from existing regulatory programs



Look at Area Source regulations and increase facility tracking/reporting requirements

Thank you!