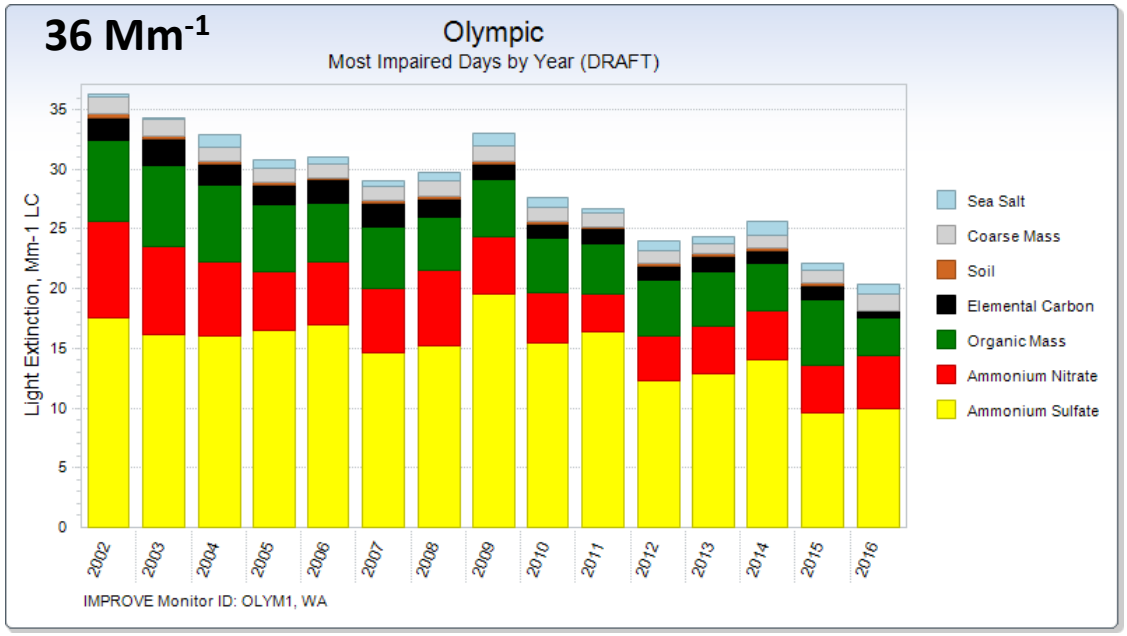
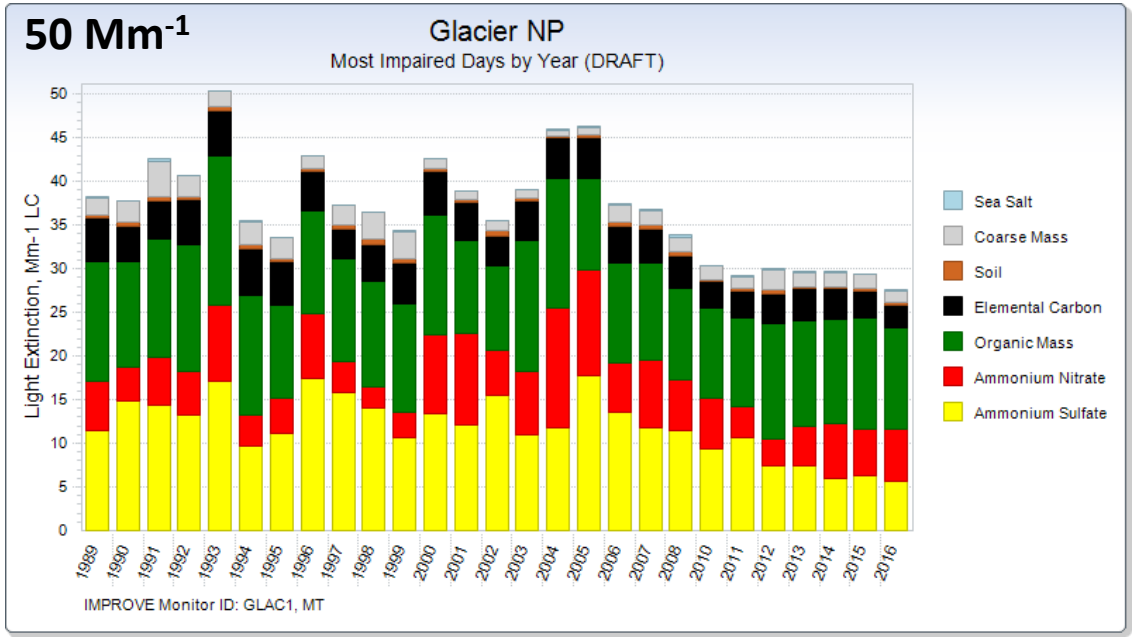
Reasonable Progress Analysis

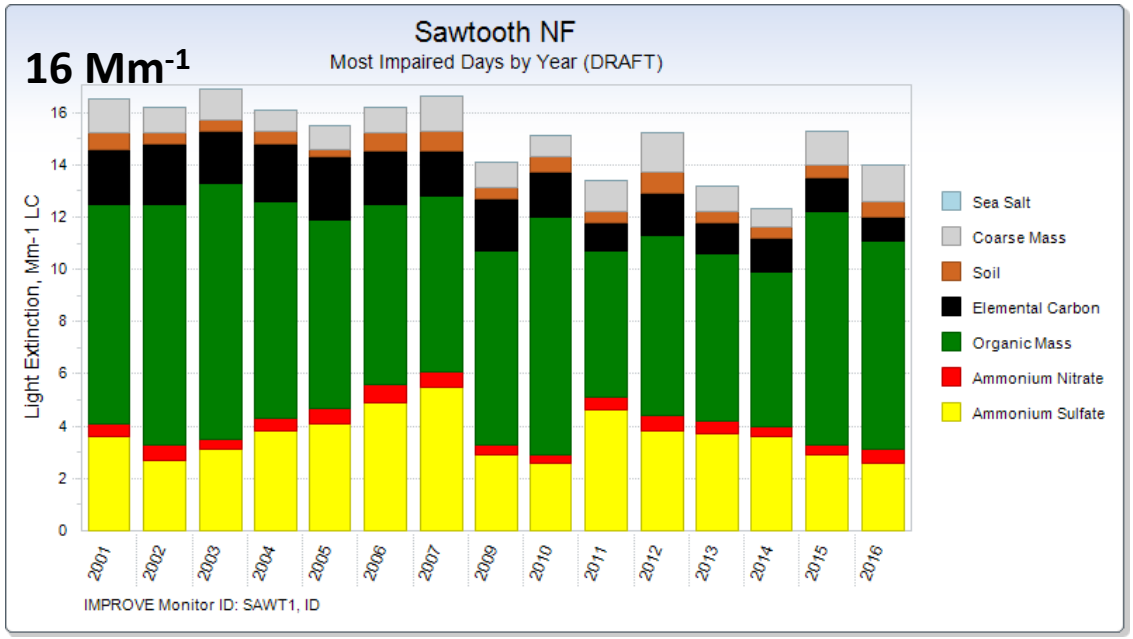
Pat Brewer, National Park Service

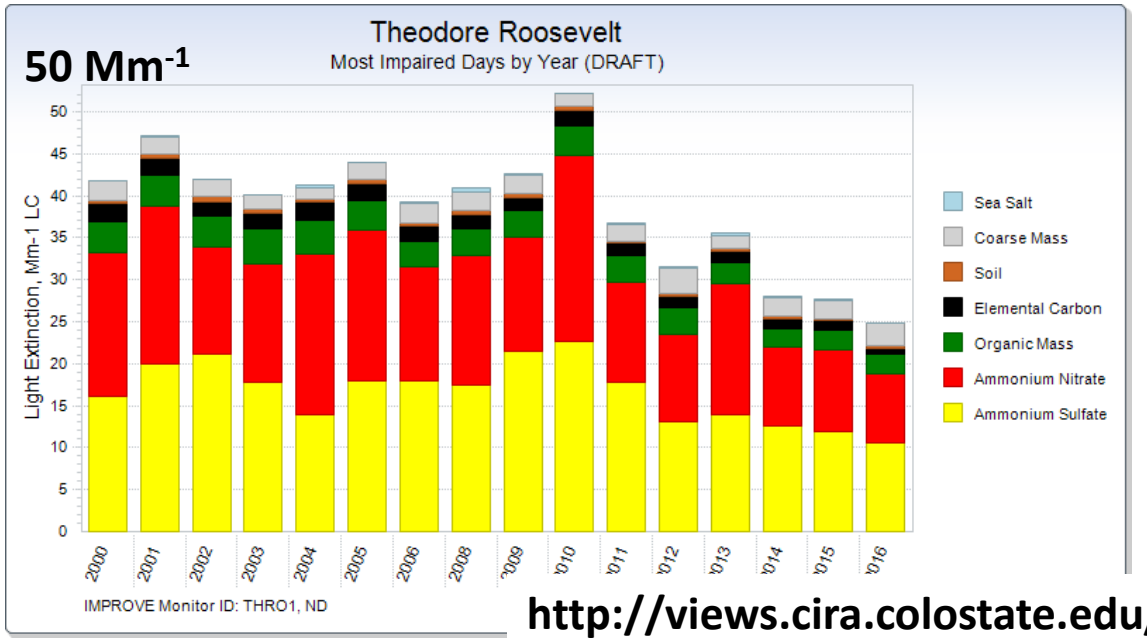
Many Glaciers, Glacier National Park

What pollutants are contributing to haze on 20% most impaired days at IMPROVE monitors?

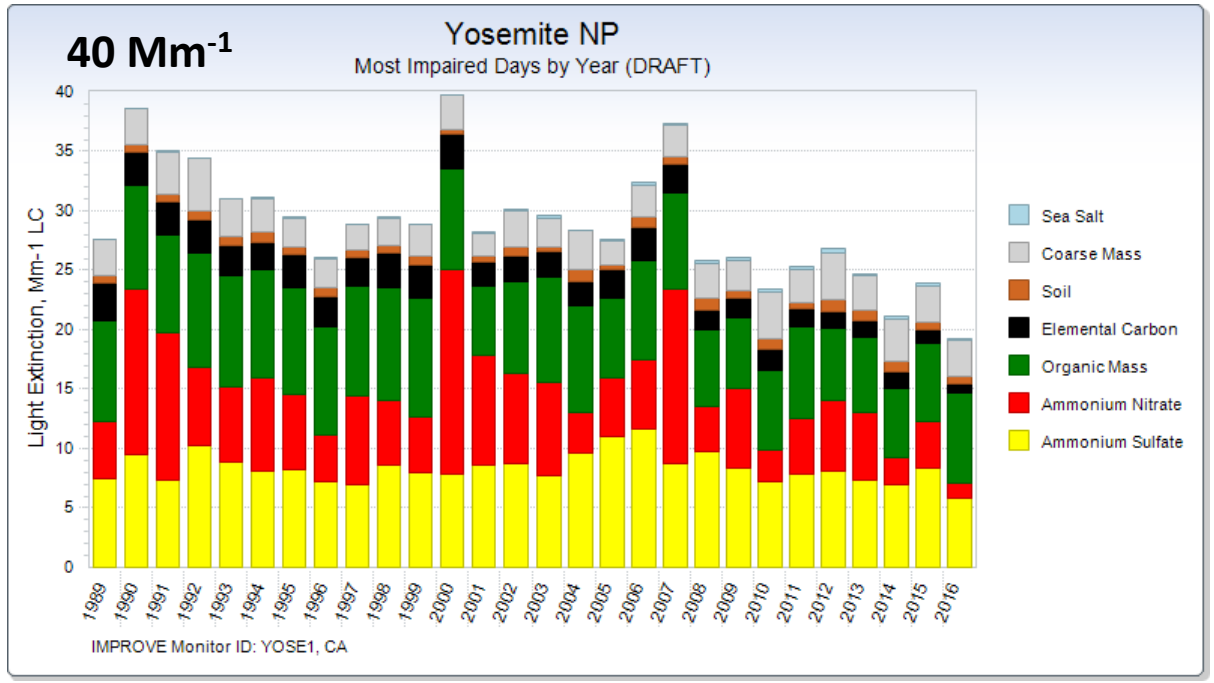


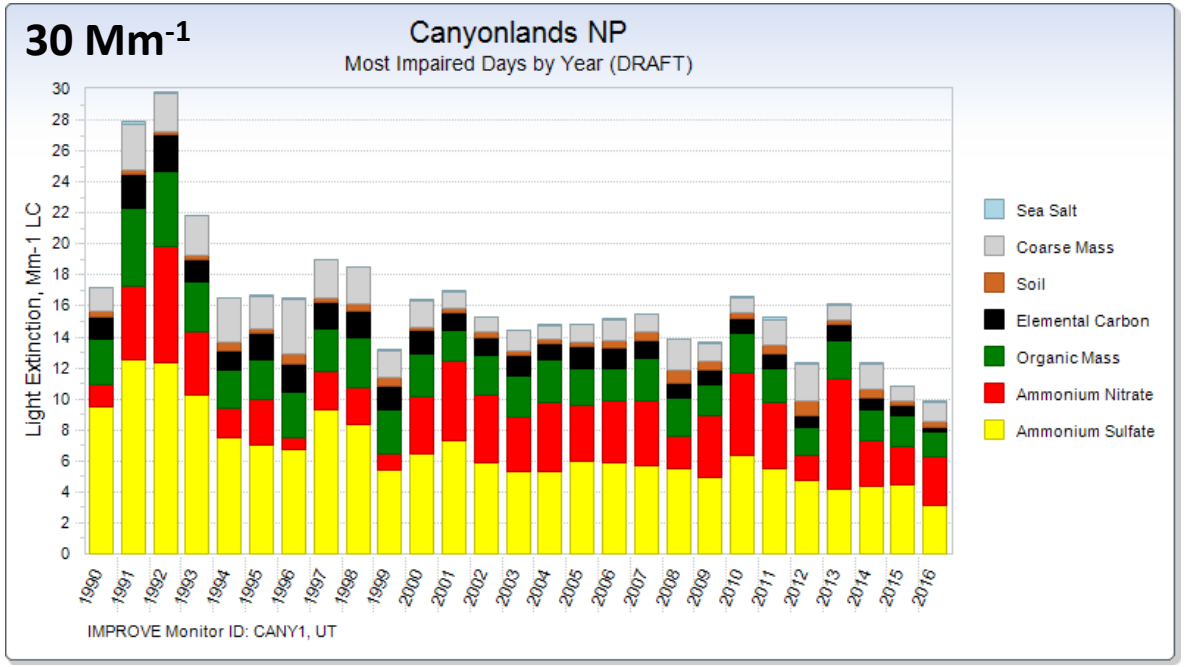


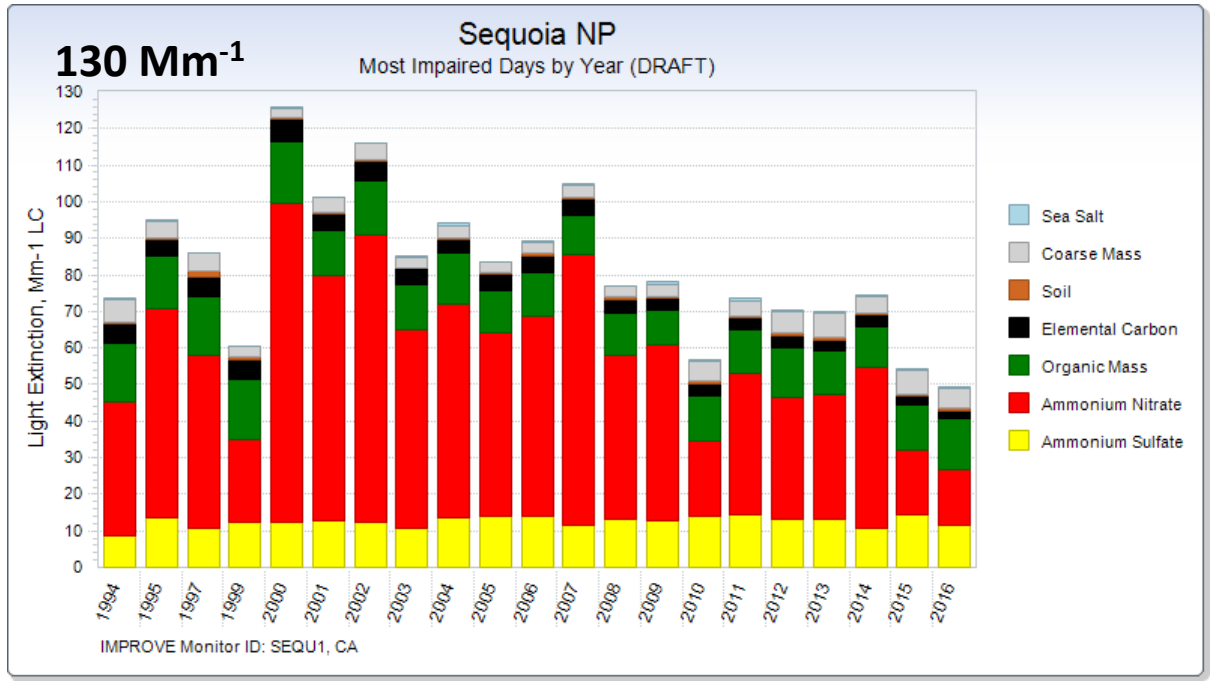


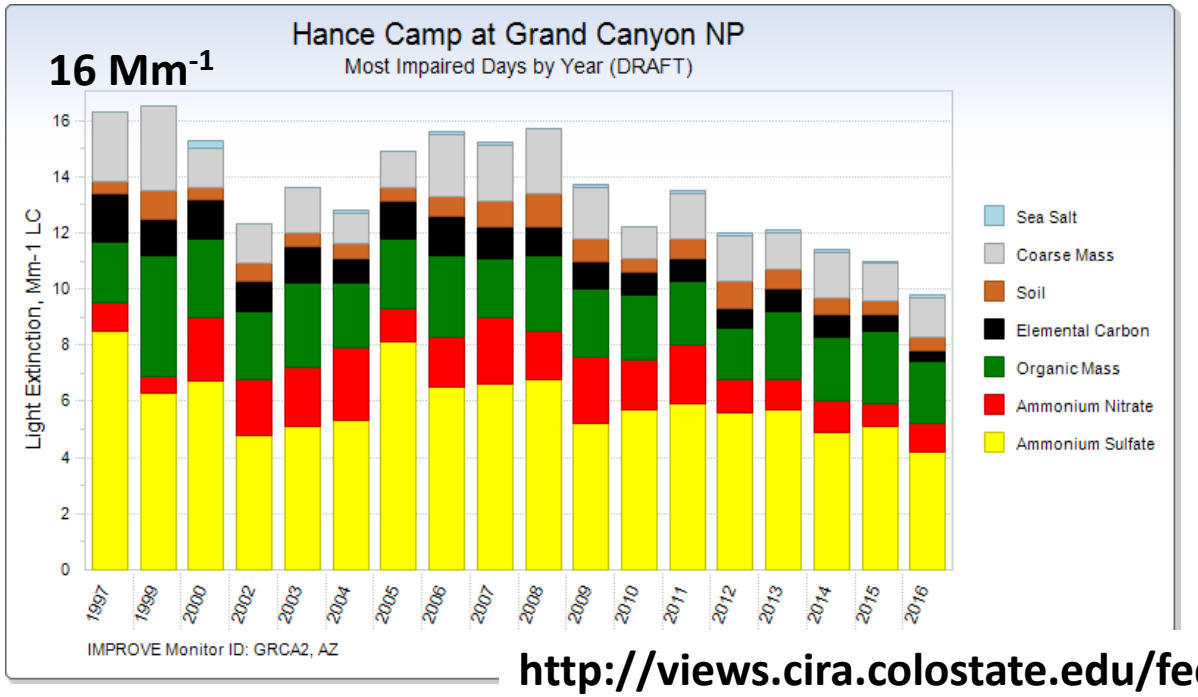


http://views.cira.colostate.edu/fed/







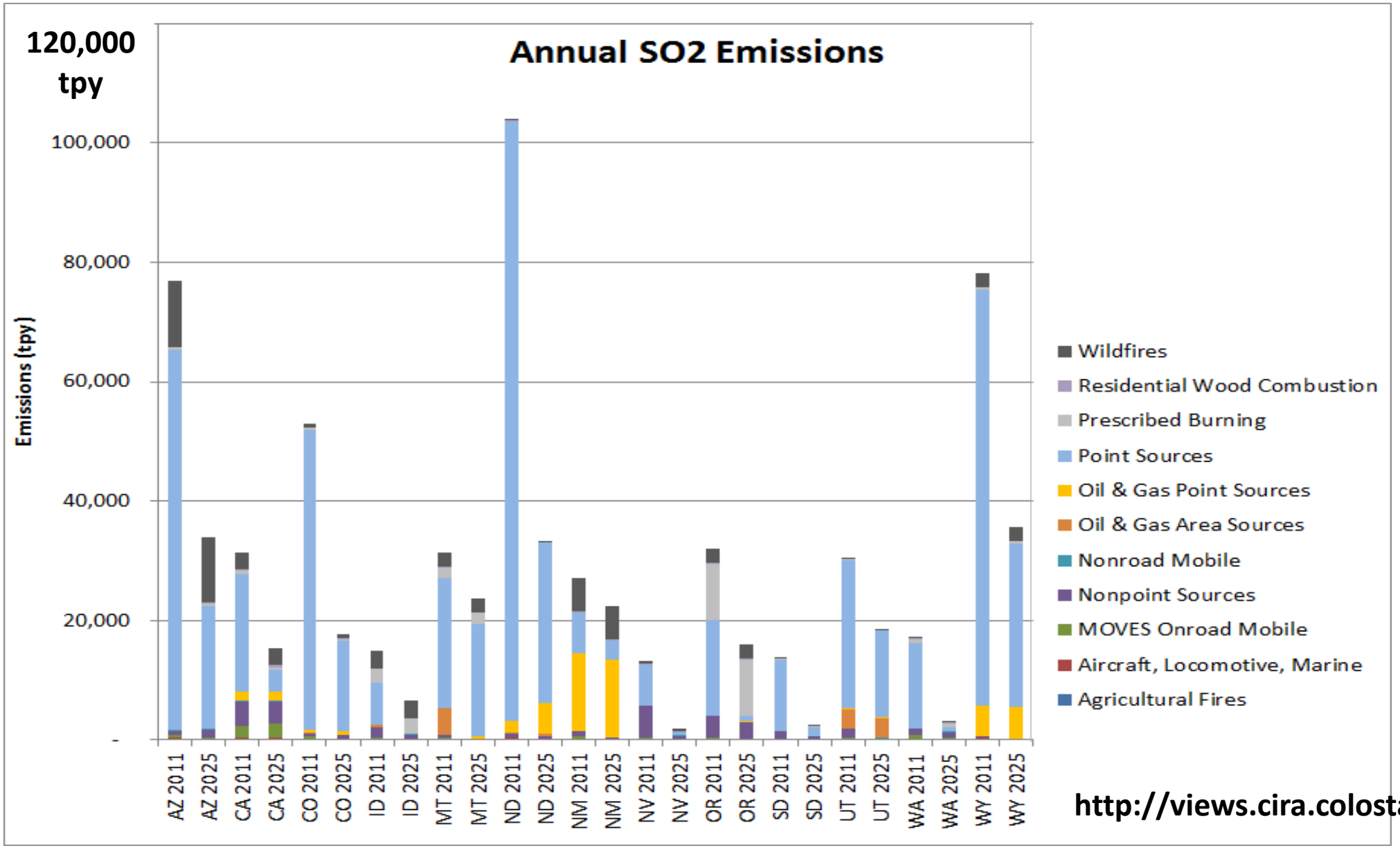


http://views.cira.colostate.edu/fed/

Reasonable Progress Analysis

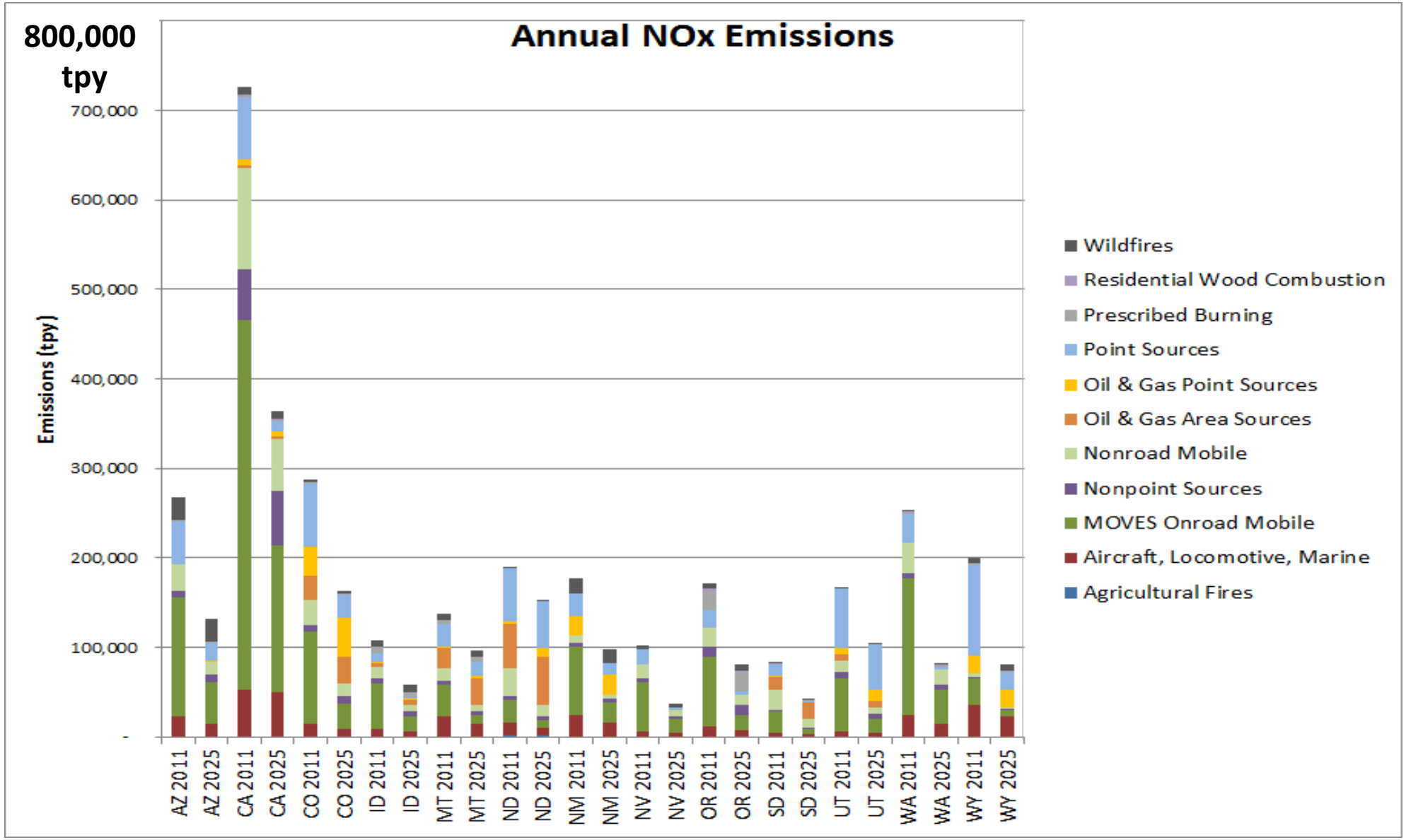
- What pollutants are important at Class I areas?
  - IMPROVE monitoring data
- What sources of those pollutants?
  - Controllable vs uncontrollable: define using source apportionment model
  - State inventories: identify state/local/federal authority
- Prioritize source sectors to evaluate
- Consider 4 factors: cost, time to comply, remaining useful life, energy and non-air impacts
- Consult early and often: technical approach and policy options

2011 and 2025 Western Air Quality Study SO_2 Inventory



http://views.cira.colostate.edu/tsdw/

2011 and 2025 Western Air Quality Study NO_x Inventory



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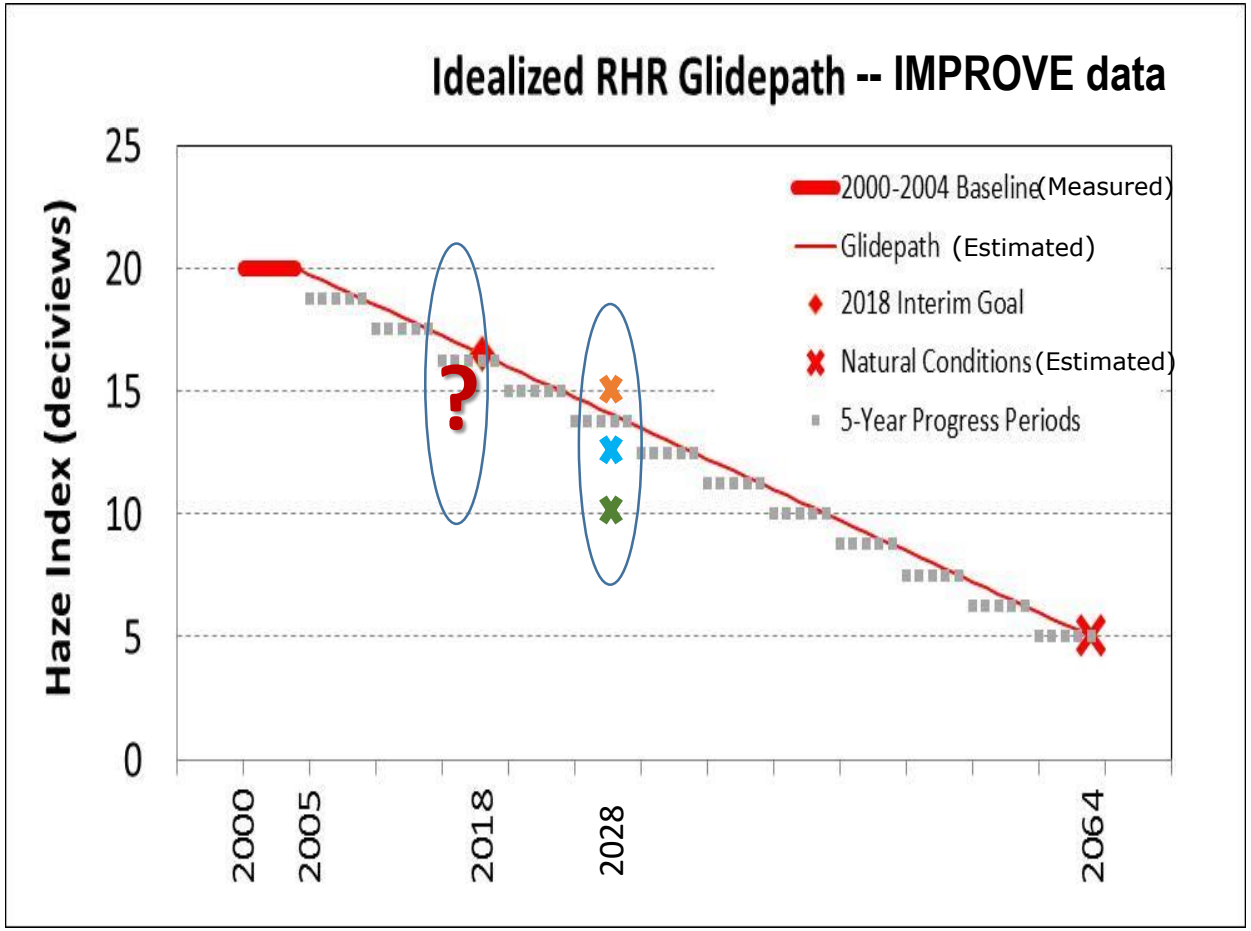

? IMPROVE data in Base Year

✘ Modeled 2028

Project Visibility Progress

- Model Base Year
- States conduct 4 factor analyses and define planned emissions reductions for 2021 RHR SIP
- Model cumulative regional emissions by 2028 to set Reasonable Progress Goals
- Consult / interpret