Gaseous Oxidized Mercury (GOM) Dry Deposition Measurements in the Four Corners Area

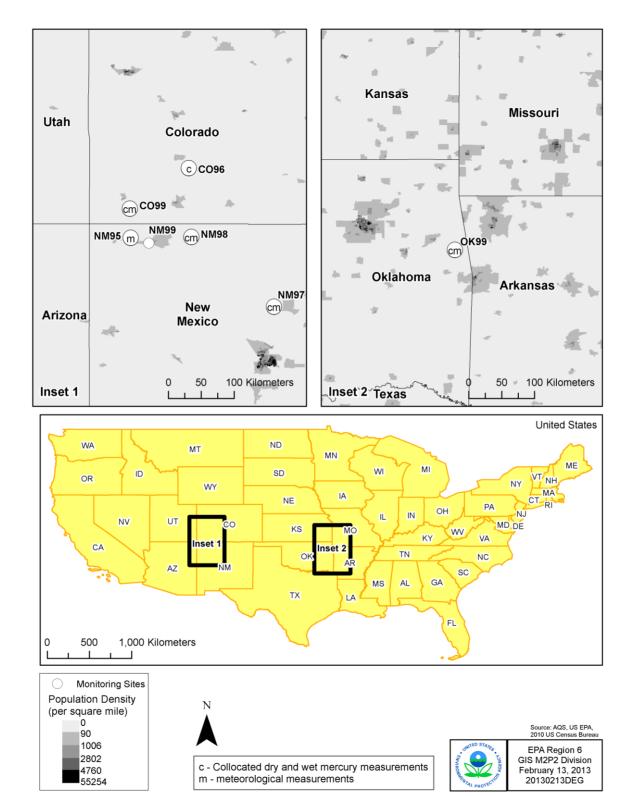
Mark Sather, U.S. EPA Region 6
Air Monitoring & Grants Section
Dallas, Texas
Presented at the Four Corners Air Quality Group Meeting
October 23, 2019

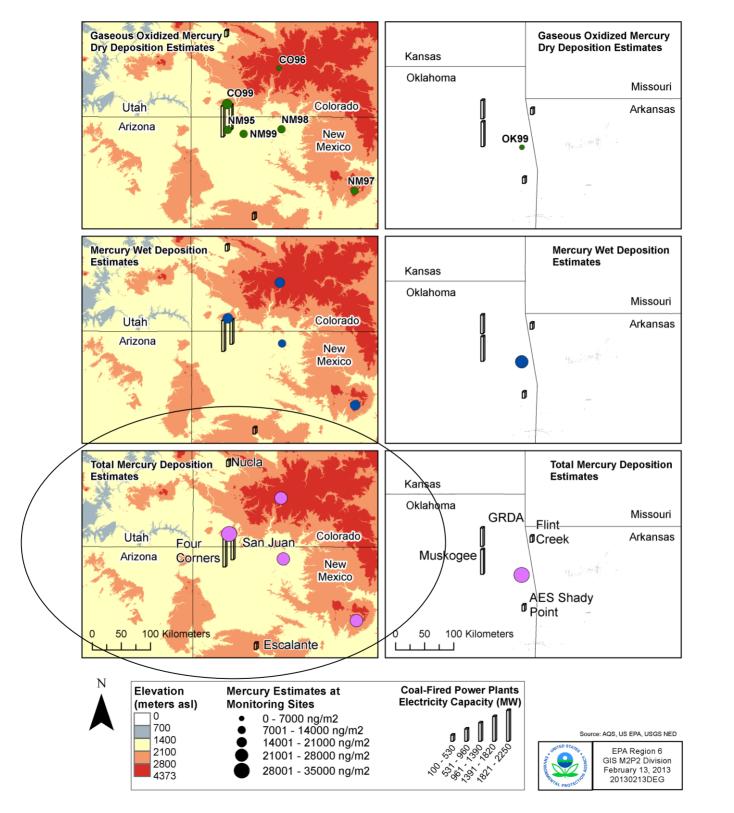
Purpose of Study

- To compare follow-up GOM dry deposition measurements in the Four Corners Area from August, 2017-August, 2019 to previous baseline measurements taken from August, 2009-August, 2011
- Significant actions over past 10 years:
- December 31, 2013 permanent shutdown of 3 units at Four Corners Power Plant
- April, 2016 national compliance date for all major coal fired power plants in U.S. to have installed at least 90% mercury control required by national Mercury and Air Toxics Standards (MATS) rule
- Measurement data from this study will be useful in assessing effectiveness of these actions

Study Team

- EPA Regions 6 and 8, EPA ORD
- NMED
- USFS
- NPS
- EPA Contractor Alion; Subcontractor Eurofins Frontier Global Sciences

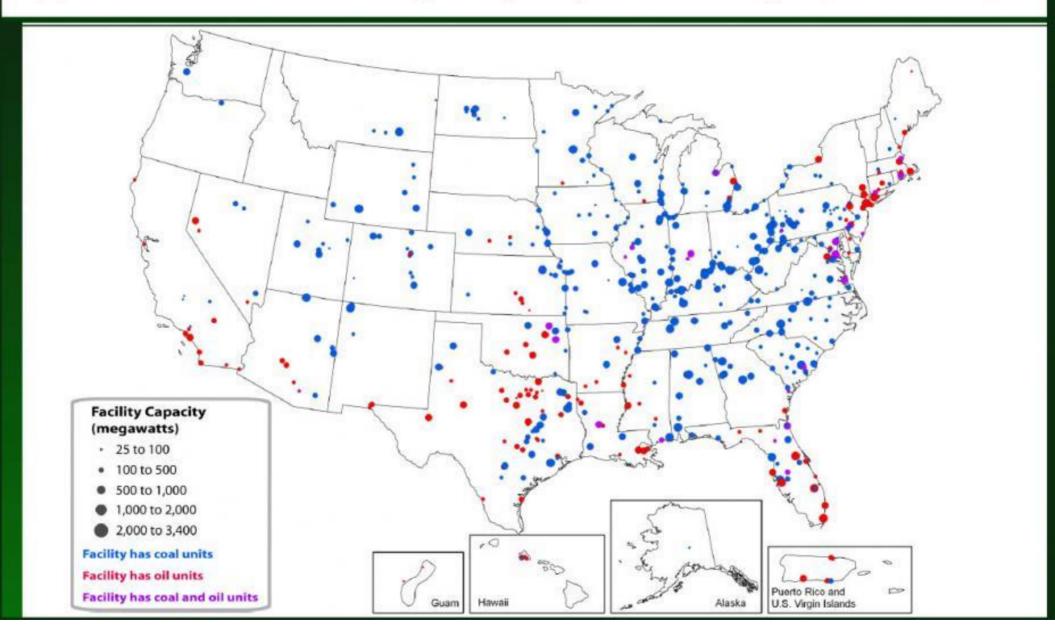






The Toxics Rule Facilities

National Electric Energy Data System (NEEDS 4.10 MATS) (EPA, December 2011)



NM95 Substation









NM99 Farmington Airport



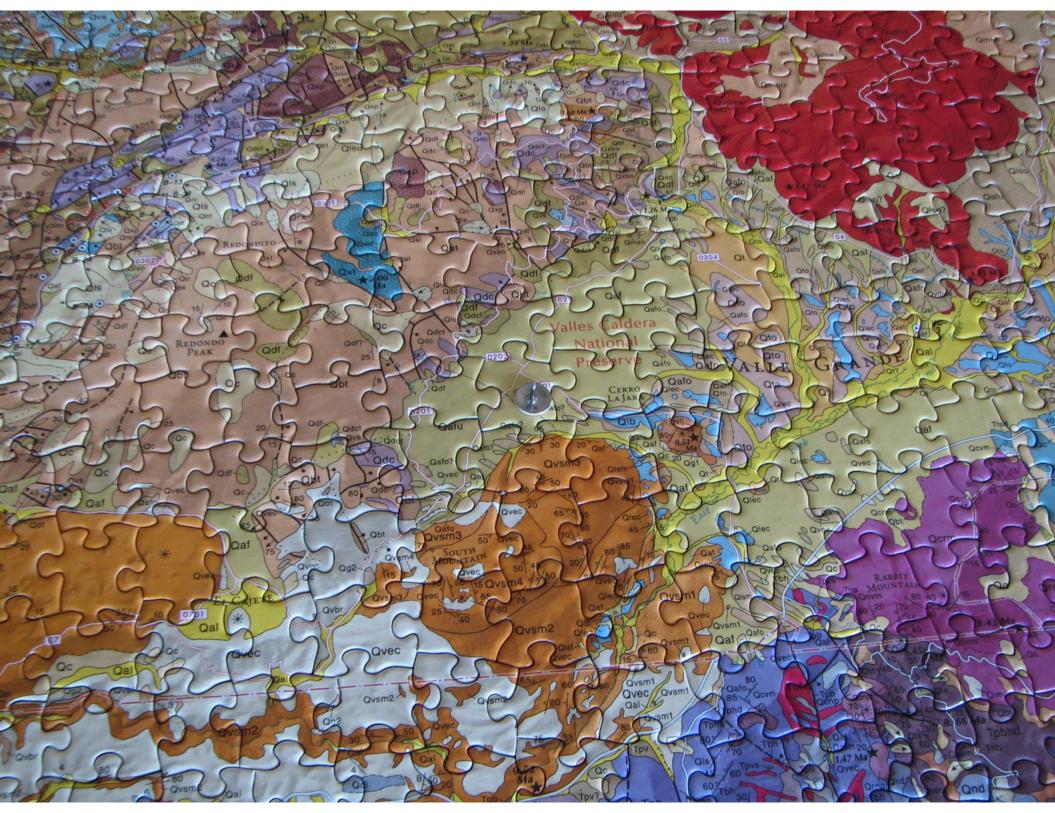
NM98 Navajo Lake



NM97 Valles Caldera









CO99 Mesa Verde National Park



CO96 Molas Pass



