

# Power Plant Emission Trends

Michael Cohen

EPA, CAMD

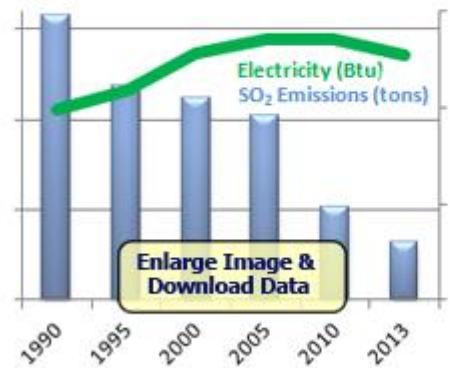
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- EPA collects detailed SO<sub>2</sub>, NO<sub>x</sub>, and CO<sub>2</sub> emission data and other information from coal-fired power plants across the country. Collected as part of the ARP and CAIR, these data are available online, making it easy for the public to understand emissions from these sources and to see when and where emission changes have occurred.
- Uncertainty due to CAIR and CSAPR litigation has raised concerns that emissions could increase at coal-fired units. For example, units could burn dirtier fuels, operate scrubbers or SCRs at reduced efficiency, or even bypass scrubbers or SCRs altogether, relying instead on banked allowances to comply with ARP and CAIR. EPA is tracking SO<sub>2</sub> and NO<sub>x</sub> emissions closely each quarter to assess whether backsliding may be occurring and, if so, where it may be taking place.
- Preliminary data show that while a few facilities are emitting more SO<sub>2</sub> and/or NO<sub>x</sub> or emitting SO<sub>2</sub> and/or NO<sub>x</sub> at a greater rate in 2013 than in 2012, overall emissions are essentially unchanged.

We first look at emissions data across the country. Emissions are down across the country for SO<sub>2</sub> and NO<sub>x</sub>.



SO<sub>2</sub> Emissions & Electricity Generation



SO<sub>2</sub> Emissions Across the Country



SO<sub>2</sub> Emissions Across Facilities



# We then look at emissions data for each individual coal-fired facility over time

- Quarterly (2012 q4 vs 2013 q4)
- Annual (2012 vs 2013)
- Long term (2009 vs 2013)