SO_2 Data Requirements Rule

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MARAMA Air Monitoring Meeting
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SO_2 DRR – Purpose & Intent

- Purpose – to provide data to <u>characterize current air quality</u> in areas with large sources of SO_2 emissions if such areas do not have sufficient air quality monitoring in place to identify maximum 1-hour SO_2 concentrations
- *Characterize Current Air Quality* – Monitoring or modeling could be used
  - modeling a surrogate for monitoring
  - modeling to use *actual emissions*

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SO_2 DRR – Proposed May 13, 2014

- Proposed SO_2 Source Threshold
  - 1,000 tpy in CBSAs of 1 million or more;
  - 2,000 tpy outside those areas
  - ~90% of emissions inventory (~447 sources - 2011 NEI)
- States submit list of sources & whether they will be monitored or modeled Jan. 15, 2016
- Modeling protocol due January 15, 2016
- Modeling results due January 13, 2017
  - Designations ~ end of 2017
- Monitors to be operational by January 1, 2017
  - Designations ~ early/mid 2020

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SO_2 DRR – Proposed (cont.)

- Timing – For monitoring, its REALLY tight…
  - We need to start talking to states now!
- Failed to Monitor by January 1, 2017?
  - The area gets designated in 2017 with the modeled sources using whatever available data exists (including 3rd party modeling, etc.)
- Monitor sunset clause
  - DRR monitors only – after 3 years, if DV no greater than 50% of the NAAQS, they are eligible for shutdown, subject to RA approval
  - If shutdown is allowed, the state will submit annual report regarding target source emission profile & whether subsequent monitor/modeling is needed
- Continued Verification of Attainment Options:
  1) Assess emissions and model every 3 years;
  2) Assess emissions changes and state determines if new modeling is necessary;
  3) Periodic screening modeling every 3 years

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SO_2 DRR – Next Steps

- Drafting of the NFR is underway
  - McCabe had options selection Nov. 25
  - Region 5 is lead region on the workgroup
- Current timeline has published final rule in August 2015
  - OAQPS is pushing to get it done ASAP
- Outreach – Time to get things started
  - Encourage states to start thinking and taking action, particularly if they are going to try and monitor

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