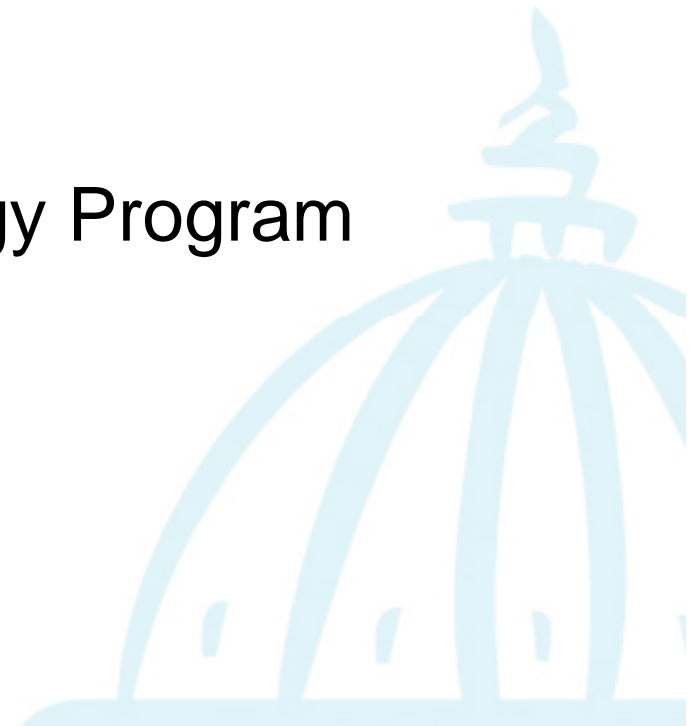




Linking EE & Air Quality – Opportunities for the EM&V Forum

Niko Dietsch
EPA State Climate and Energy Program

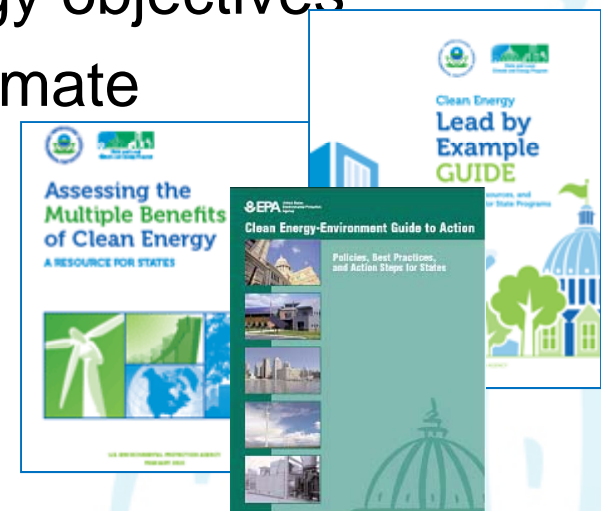
Presentation to EM&V Forum
Albany, NY
October 12, 2011



EPA's State Climate & Energy Program



- Help states...
 - Understand and use EE strategies, where appropriate, to meet AQ goals
 - Include EE/RE in the compliance toolbox for air regulators
 - With guidance, communication forums, and analyses that link air & energy objectives
- <http://www.epa.gov/statelocalclimate>





EE as a Strategy to Meet State AQ Objectives

- Background:
 - Many states are aggressively pursuing EE
 - The power sector will be taking steps to reduce emissions over the next 4-5 years
 - EE reduces multiple pollutants and is a low-cost resource to meet these requirements
- BUT... there are barriers to using EE as a strategy for improving air quality
- Important role for EM&V...

Air Regulators Uses for EM&V Data

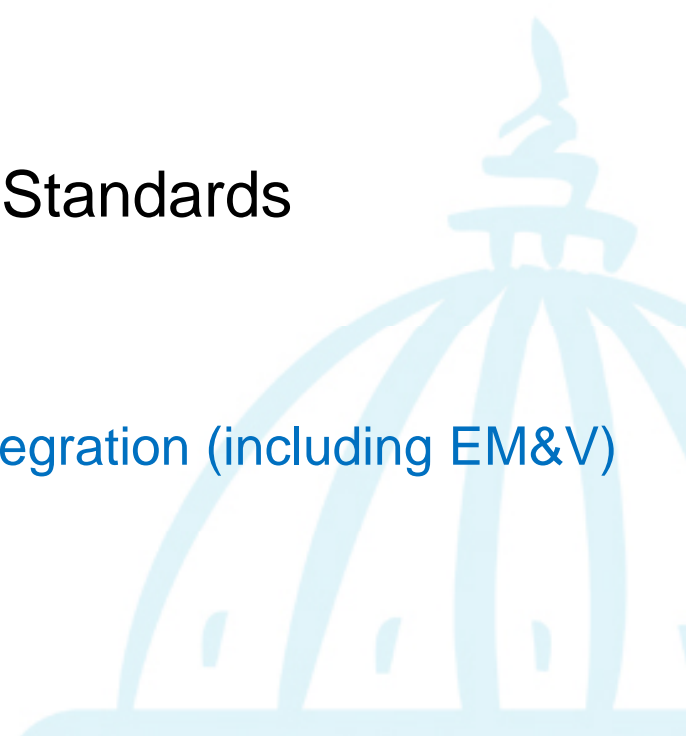


- Gain acceptance of EE as a real and reliable energy resource
- Forecasting EE impacts over the compliance period
- Confirming that EE/RE policies have achieved forecasted energy and peak demand impacts
- Quantifying the magnitude of air emissions impacts from past EE/RE activities
- Determining when and where these air emissions impacts occurred, consistent with policy goals

EPA is Helping States Link EE Investments to Better Air Quality



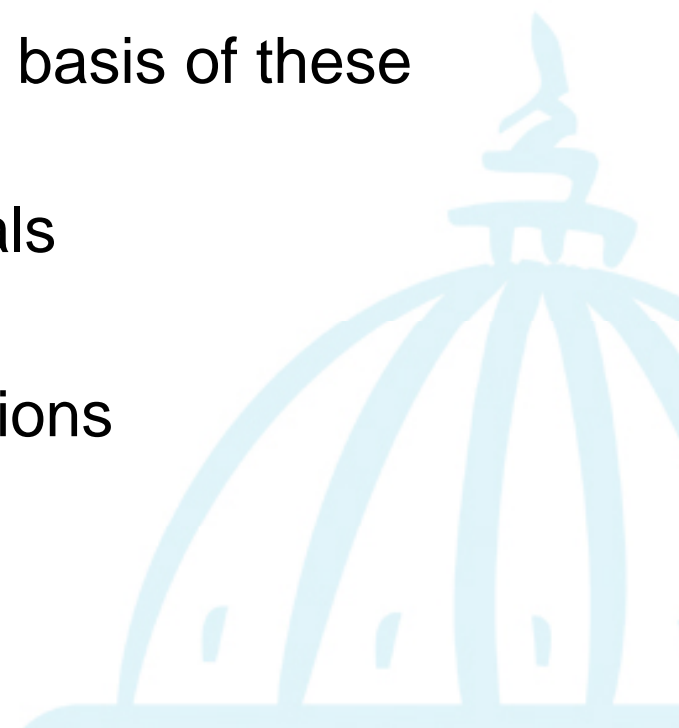
- National Ambient Air Quality Standards (NAAQS):
 - 1) Roadmap for including EE/RE in State Implementation Plans (SIPs)
 - 2) Analysis to support baseline pathway – projected energy and emissions impacts of EE/RE policies, state-by-state
- Cross-State Air Pollution Rule
 - 3) EE set-aside option
- Proposed Mercury & Air Toxics Standards
 - 4) EE benefits analysis
- Training and outreach
 - 5) Assistance to states on EE-AQ integration (including EM&V)



Opportunities with REED



- REED can be a foundation for increased coordination between air and energy officials
- Marketing & messaging on the value of REED
 - Communicate the full of range uses/applications for REED
 - Encourage state adoption on basis of these multiple benefits
 - Document value for air officials
- Value for a forecasting module?
 - Air planners need EE predictions
- Coordination with DOE





For More Information

- US EPA State and Local Climate and Energy Program Website:
<http://www.epa.gov/statelocalclimate/index.html>
- Niko Dietsch
US EPA State Climate and Energy Program
202-343-9299
dietsch.nikolaas@epa.gov

