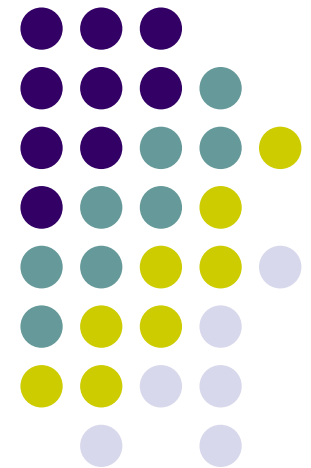


# Roadmap for Incorporating Energy Efficiency/Renewable Energy Policies and Programs into State Implementation Plans

Clean Air Act Advisory Committee  
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Chris Stoneman, USEPA





# Presentation Contents

- Background on manual
- What EPA has made available
- Elements for successful EE/RE integration in SIPs/TIPs
- States that may want to consider EE/RE in SIPs/TIPs going forward
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# Background on Manual

- EPA's 2004 EE/RE SIP guidance yielded little EE/RE integration in SIPs
- New OAR directive to encourage EE/RE – AQ integration
- Ideal time to pursue such an effort
  - Significant growth in state investments in EE programs to over \$5 billion in 2011
  - Twenty-nine states (and DC) have adopted RPS
  - States need to find greater emission reductions to meet revised NAAQS
  - Information on EE/RE impacts is increasingly widely available

# What EPA has Made Available



- In early July issued first version of the manual that serves as a roadmap to existing EE/RE guidance
- Complementary resources:
  - Draft quantification tools to be peer reviewed
  - Energy savings information for existing state EE policies
  - Online training on the electric energy sector



# EE/RE Roadmap Manual

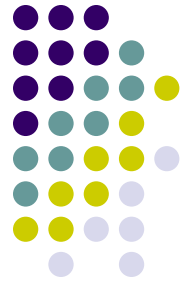
- Detailed and comprehensive
  - 12 individual documents – main body and 11 appendices covering a range of topics
- Accessible and easy to read
  - Written in straightforward terms with explanatory charts and figures
- Not “one size fits all” – provides options
  - Four different pathways for incorporating EE/RE policies and programs into SIPs
  - Four approaches for quantifying EE/RE emissions impacts



# EE/RE Roadmap Manual

- Flow chart for navigating decisions for how to incorporate EE/RE in SIPs/TIPs
  - Identifies questions/issues agencies should consider when selecting pathways
- Four pathways
  - Baseline Emissions Projection Pathway
  - Control Strategy Pathway
  - Emerging/Voluntary Measures Pathway
  - Weight of Evidence Pathway

# Elements for Successful EE/RE Integration in SIPs/TIPs



- More aggressive state-wide policies produce greater potential emission benefits
- Need dialogue with energy agencies
- Quantification of whether and to what extent the EE/RE initiative is affecting a particular nonattainment area

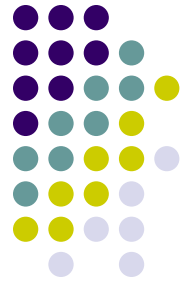
# States that May Want to Consider EE/RE in SIPs/TIPs Going Forward



- Ozone Advance areas
  - To date, 25 areas in 17 states are participating
  - Areas can quantify EE/RE emissions benefits under this program
- 2008 ozone NAAQS
  - Areas designated nonattainment that have to prepare attainment demonstrations can quantify EE/RE emissions benefits
  - Could incorporate EE/RE benefits in the upcoming SIP
- Other areas may want to plan for possible, tighter NAAQS in the future
  - Consider quantifying EE/RE emissions benefits

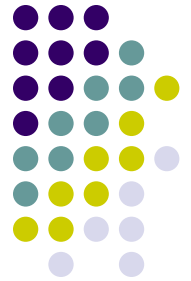


# Plan for Implementing Manual



- Establishing a network of interested EPA regions and states
- Initial focus on developing EE/RE quantification examples
- Also working with MA, NY and MD to apply manual to SIP pathways
- Providing tools and conducting outreach, training and technical assistance

# For More Information, contact:



- Chris Stoneman
  - 919/541-0823
  - [stoneman.chris@epa.gov](mailto:stoneman.chris@epa.gov)
- EE/RE manual
  - <http://www.epa.gov/airquality/eere/>