



OAQPS

Office of Air Quality Planning and Standards

Integration of Energy Efficiency/Renewable Energy and Air Quality

Clean Air Act Advisory Committee
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Contents

- ▶ Draft roadmap on incorporating energy efficiency/renewable energy policies (EE/RE) and programs into State and Tribal Implementation Plans (SIPs/TIPs)
- ▶ Overview of the soon to be re-issued (and re-named) Ozone Flex Guidance
- ▶ Overview of efforts to quantify impacts of EE/RE policies and programs

Roadmap Introduction

- ▶ Historically, past EPA guidance has yielded few examples of EE/RE integration in SIPs
 - ▶ Variety of reasons
- ▶ OAR priority to provide a range of tools and information to assist agencies with incorporating EE/RE into SIPs/TIPs
- ▶ Foremost is the:
 - ▶ “Roadmap for Incorporating Energy Efficiency/Renewable Energy Policies and Programs into State Implementation Plans/Tribal Implementation Plans”

Reasons to Take Advantage of EE/RE Policies and Programs in Air Plans

- ▶ From 2006 to 2010, states increased their investments in electric EE programs significantly, committing over \$4 billion of ratepayer resources
- ▶ As of 2009, 30 states and DC had adopted renewable portfolio standards
- ▶ Greater need for emissions reductions to meet NAAQS
- ▶ More transparent and rigorous information available about the impacts of EE/RE

Purpose of the Roadmap

- ▶ Overcome past obstacles and issues by:
 - ▶ Clarifying existing EPA EE/RE guidance
 - ▶ Providing additional information on needed SIPs/TIPs documentation
 - ▶ Providing streamlined approaches and options
 - ▶ Addressing questions and issues state, tribal, and local agencies should consider

What's in the Roadmap

- ▶ Step-by-step flowchart to guide pathway selection around several key questions
- ▶ Detailed background and other information on:
 - ▶ Existing EPA EE/RE related SIP guidance
 - ▶ U.S. electric system
 - ▶ EE/RE policies and programs in the states
 - ▶ EE/RE emissions quantification approaches
 - ▶ Case examples of where EE/RE has been incorporated in SIPs

What's in the Roadmap

- ▶ Detailed information on documentation needed for four pathways available for EE/RE in SIPs/TIPs:
 - ▶ Baseline emissions projection pathway
 - ▶ SIP/TIP control strategy
 - ▶ Emerging/voluntary measures
 - ▶ Weight of evidence determination

Moving Forward – Next Steps

- ▶ Issuing next version of manual in January
 - ▶ Revised based on comments
 - ▶ Document is living and will be updated in the future as needed
 - ▶ Directed at agencies preparing SIPs/TIPs
- ▶ Will encourage states to use EE/RE manual as EPA re-issues a new version of the Ozone Flex Guidance

Why Should Areas be Interested in Reducing Ozone in the Near Term

- ▶ Provides cleaner air and public health protection sooner
- ▶ Responds to state/local government concerns about how to stay out of nonattainment
- ▶ For the 2008, 75 ppb ozone standard:
 - ▶ Make progress in areas close to the standard
- ▶ For any future revised ozone standard after the 2014 review:
 - ▶ Could better position some areas to avoid a future nonattainment designation
 - ▶ If eventually designated, could result in a lower classification
- ▶ Program framework, technical, and other assistance
- ▶ Early stakeholder group formation and involvement

Updating the Existing Program

▶ Eligibility:

- ▶ Attainment areas, including areas violating
- ▶ Maintenance areas

▶ Streamline program elements:

- ▶ Letters of intent and commitment but no MOU unless area wants one
- ▶ No periodic reporting
- ▶ Encourage inclusion of information on emissions inventories and modeling

Updating the Existing Program

- ▶ Delete contingency measure requirements
- ▶ Include discussion of attainment and RFP baseline calculations and how to factor in early reductions

EE/RE Manual – Ozone Flex Connection

- ▶ Implement EE/RE (and other) measures in the near term to reduce emissions to help areas remain in attainment
- ▶ Manual will direct Flex areas to relevant portions of the manual (e.g., quantification methods)
- ▶ Will provide list of EE/RE policies and programs for Flex areas to consider

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