Recognizing State & Local Action: Resources for Incorporating EE/RE in Air Quality Plans

CAAAC Meeting

September 20, 2012

State and Local Climate and Energy Program

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U.S. EPA

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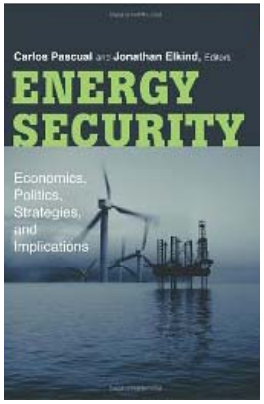
EPA

Reasons State and Local Governments Adopt EE/RE Policies



Tools and Resources to Quantify Emission Impacts of EE/RE

Existing Energy Efficiency Policies

INPUT *ENERGY* IMPACTS

Draft Power Plant Emissions Calculator

INPUT *EMISSIONS* IMPACTS

Co-Benefits Risk Assessment (COBRA)

Projected Energy Impacts through 2020

Available on EPA's website

Estimates emission reductions of EE/RE from U.S. power plants

- Available on EPA's website
- Peer review in progress
- Revised tool ready by end of 2012

Screening Tool for air quality, health and economic benefits

Available on EPA's website

Tools and Resources to Quantify Emission Impacts of EE/RE

Existing Energy Efficiency Policies

INPUT *ENERGY* IMPACTS

Hourly Marginal Emissions Tool

ADJUST *EMISSIONS*

SMOKE-Ready EGU Emissions Inventory

Projected Energy Impacts through 2020

Available on EPA's website

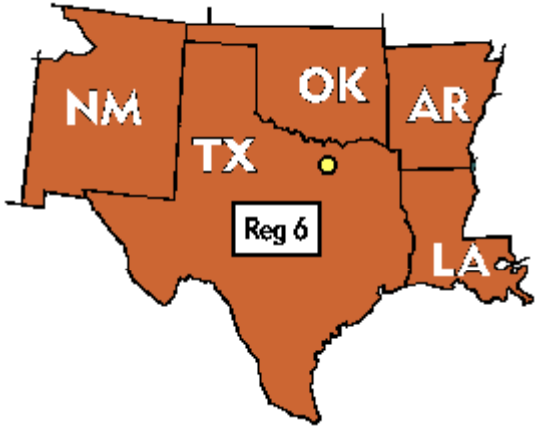
Estimates hourly emission impacts of EE/RE at unit level.

- Under development
- Peer review scheduled for Fall 2012
- Revised tool ready by beginning of 2013

Pre- Process for SIP related air quality modeling

Available on EPA's website

Training and Outreach



Questions

Emission Quantification and EE/RE Policies/Programs

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EE/RE Roadmap Manual

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Resources

- **Existing Energy Efficiency Policies**
- http://www.epa.gov/statelocalclimate/state/statepolicies.html

- **Draft Power Plant Emissions Calculator (P-PEC)**
- http://epa.gov/airquality/eere/quantify.html

- **Co-Benefits Risk Assessment (COBRA)**
- http://www.epa.gov/statelocalclimate/resources/cobra.html