



U.S. Department of Energy

OAK RIDGE NATIONAL LABORATORY

# CHP Subcontractors Coordination Review Meeting : American Council for an Energy-Efficient Economy



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Energetics, Inc.  
901 D. Street, SW  
Suite 100  
Washington, DC

# American Council for an Energy-Efficient Economy

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# Description of Task 1: Utility Survey

- Goal - Identify individual interconnection and tariff practices related to CHP in 5 or more states (primarily for the industrial/commercial markets)
- Purpose - Identify and eliminate utility barriers to CHP
- Expected Results - Suggest possible state policy responses to identified barriers

# Description of Task 2: Environmental Impact Models Assessment and Spreadsheet Tool Creation

- Goal -Conduct a review of existing, emissions models to produce some basic rules of thumb for regulators, policy makers and CHP system developers to estimate the general local environmental impact of a CHP system
  - Purpose - Identify and eliminate environmental barriers to CHP
  - Expected Results - Assess the magnitude of regional variations in the environmental impact of CHP systems

# Description of Task 3: Facilitation of CHP Analysis Working Group

- Goal - Connecting the CHP analysis community and coordinating research activities of the various participating groups to meet the analysis needs of the policy community
- Purpose - Maintaining communication between analysts and policy wonks
- Expected Results - Up to 3 meetings during the project period. The focus topics of the meetings will be determined either by the ORNL project manager, or by a request from any member of the working groups.

# Description of Progress Against Task 1

- Information gap exists regarding individual utility practices within states
  - ACEEE creating a database of 22 states with utility practices disclosed in each
  - Will serve as a uniform guide to utility regulations
  - Will serve as a scorecard for utilities to measure themselves

# Description of Progress Against Task 1

- 22 State Utility Review
  - CA, CO, CT, FL, GA, IA, IL, LA, MA, ME, MN, MO, NC, NJ, NV, NY, SC, TN, TX, UT, WA, WI



# Description of Progress Against Task 1

- Creating a database of 22 states with individual utility practices disclosed in each
  - Will serve as a uniform guide to utility regulations
  - Will serve as a scorecard for utilities to measure themselves
- States to be included in original database
  - CA, CO, CT, FL, GA, IA, IL, LA, MA, ME, MN, MO, NC, NJ, NV, NY, SC, TN, TX, UT, WA, WI
- Utility companies related to expanded adoption of CHP in each state have been identified
  - Approximately 65 utilities exist, some with operations in various states
    - Excel Energy, Alliant Energy, Sacramento Municipal Utility District, Madison Gas & Electric, Pacific Gas & Electric, Seattle City Light, N-Grid, Exelon Energy Company

# Description of Progress Against Task 1

- Many Utilities in our study have operations in numerous states, with disparate standards, or none at all
  - Excel Energy
    - Colorado, Minnesota, Texas, Wisconsin
  - Alliant Energy
    - Illinois, Iowa, Minnesota, Wisconsin
  - Tennessee Valley Authority
    - Georgia, North Carolina, Tennessee

# Description of Progress Against Task 1

- Wisconsin is a good example with CHP installation activities and Utility companies having operations outside the state
  - Xcel Energy (*Texas, Minnesota, Colorado*)
    - Northern States Power Company (*subsidiary of Excel*)
  - Alliant Energy (*Illinois, Iowa, Minnesota*)
    - Wisconsin Power & Light (*subsidiary of Alliant*)
  - Madison Gas & Electric
    - **Just opened a joint CHP facility with the University of Wisconsin**
  - Wisconsin Energies
  - Wisconsin Public Services Corporation
- Valuable contacts within utilities with experience and/or knowledge of CHP/DG are being sought and questioned
- Will continue to track and update state regulatory activities (e.g., New York, Minnesota, Texas, California)

## Description of Progress Against Task 2

- Researched the methodologies of IPM and AMIGA
- From a utility dispatch perspective, all that matters is COST!

## Description of Progress Against Task 3

- Determined the next Topic for CHP Data Analysis Working Group
- Small CHP

# Coordination with Stakeholder Groups and Other Project Teams

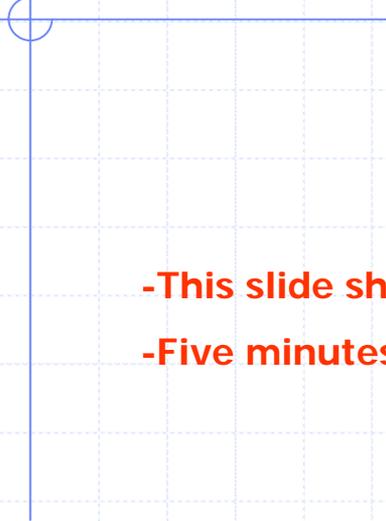
- CHP Analysis Working Group
- ACEEE website
- Continued Conference Presentations - IETC, ACEEE Summer Study, NAESCO
- Working cooperatively with EPA CHP Partnerships on State Utility Survey

# FY05-06 Timeline

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- Task 1: Complete research report on utility policies. - Fall 2005
- Task 2: Complete research and data collection on CHP models – Summer 2005
- Task 3: Organize and host CHP Analysis Team Meeting – Spring 2005

# Questions?



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- Five minutes has been allotted for questions and answers.