

CHP Analysis Team Meeting
July 14, 2003 1-4 pm
ACEEE Office (See attached for directions)
Minutes

Introduction and Welcome – Neal Elliott

Mr. Robert Schnapp, Director, Electric Power Division, Energy Information Administration

Mr. Schnapp presented information on the "Electricity 2005" project. "Electricity 2005" is the forms review process that is tied to the Office of Management and Budget reauthorization of the electricity data collection forms in use by EIA. Of particular importance is the Form EIA-906 redesign which will revise what information is collected on Useful Thermal Output and fuel used for electricity generation.

Paul Bautista, EEA presented a profile of existing CHP installations as of the year 2000. Estimated existing CHP for that year is 65,700 MW at almost 2,500 sites.

John Kelly (Ray -- VIA phone), Gas Technology Institute. Ray and Rich Scheer spoke about the CARD study. This study looked at the economics of DG integration with the grid from both the customer and utility perspective.

Neal Elliott spoke about an upcoming study that ACEEE and EEA are teaming up on. ACEEE is working with Energy Environmental Analysis, Inc. to assess the impact of energy efficiency and renewables on near-term and mid-term natural gas price and consumption. We are planning to develop short-term (1 year) and mid-term (5 year) scenarios for the lower 48 states for:

- 1) NG efficiency by sector
- 2) electric efficiency by sector
- 3 renewables (probably just for the mid-term scenario)

We will be using the EEA Natural Gas model, which is an integrated supply and demand model that forecasts prices at 106 locations around North America. The model incorporates North American natural gas supply resources (including LNG), transmission and storage, and demand sectors.

We will run the model and compare to the base case the following cases:

1. National (48 states) with natural gas and electric efficiency measures and renewable energy resources
2. Pacific West (CA, OR, and WA) with natural gas and electric efficiency and renewable energy resources
3. Northeast/PJM (ME, MA, VE, NH, CT, RI, NY, NJ, PA, DE, and MD) with natural gas and electric efficiency and renewable energy resources
4. New York State with renewable energy resources

The results will be released in a summary report on Sept. 2, concurrent with the release of the National Petroleum Council Natural Gas Study.

Possible next meeting topics: 1) Natural Gas Volatility

2) Data collection techniques for CHP technologies under 1 MW