

MINUTES: 27 September 2001 CHP Analysis team meeting  
10 am-2 pm at ACEEE offices in Washington, DC

Attendees:

R. Neal Elliott, ACEEE  
Anna Shipley, ACEEE  
Elizabeth Brown, ACEEE  
Bruce Hedman, Nexus Energy Group  
Skip Laitner, EPA  
John Jimison, USCHPA  
Dan Brewer, Energetics  
Eric Williams, Center for Clean Air Policy  
Jia Li, Center for Clean Air Policy  
Nathaniel Greene, NRDC

**Goals:**

- ☆ Assess the available data on installed CHP
- ☆ Assess the need for continued and improved data tracking

AGENDA

10:00 – 10:20	Introductions and overview of goals for the meeting
10:20 – 11:20	Status of data sources: Energy Information Administration (EIA), Gas Technology Institute (GTI) data sources.
11:20 – 12:00	Identify current data collection needs and potential new initiatives
12:00	working lunch
12:15 – 1:15	Estimation of nationally installed CHP and national CHP potential
1:15 – 2:00	Discuss presentation to be given at the National CHP Roadmap Workshop – One Year Later.

Minutes and Meeting Notes:

Where is the data for installed CHP base?

- Edison Electric Institute (EEI) – last set in 1999
- Energy Information Agency (EIA) – restricted collection of data
- Gas Resources Institute (GRI) – last set in 1998 (organization dissolved)

Neal Elliott reviewed Rick Morgan's comments. As part of Rick's Egrid (sic) analysis, 1087 plants selling steam have been identified. The plants are categorized as utility/non-

utility. Non-utility facilities have been reporting power generation and steam production on form 860b, with steam recorded in Btus. Utility facilities have been reporting on form 767 with steam reported in pounds. A significant number of facilities identified do not report production on either form. He reports that EIA has currently requested from OMB that form 860b be eliminated and that all facilities report on form 767 with facilities larger than 10 MW capacity being required to report. The anticipated request to maintain confidentiality of steam data has been withdrawn. Previously, only topping cycle steam was reported but it is anticipated that steam from both topping and bottoming cycles will be reported.

Bruce Hedman Reviews his work (See Attached Powerpoint Presentation)

Highlights and questions:

- The problem with the Hagler Bailly database is determining if the CHP is new, or if they are pre-existing facilities that have been newly identified.
- Skip Laitner: Hagler Bailly (HB) has better coverage, but is the quality good?
- John Jimison: HB may have an issue with public access
  - Bruce: The release of aggregate data from the HB database will most likely be allowed, but facility identification numbers will remain confidential
- Skip: How does this compare to Resource Dynamics Profiles and ICF Database?
  - Bruce: Comparable
- HB database includes:
  - Plant name
  - Facility name
  - Location (City, State, Zip Code)
  - SIC (2 and 4 digit)
  - Contact Info
  - Prime Mover
- HB database does not include:
  - Volume of fuel
  - Thermal Output

Dan Brewer talks about his sources

New data sources

- NERC Data- existing and projection data
  - Includes Utility and Non-utility data
  - May or may not cover CHP directly
  - Over 10 MW only
- EPA Title 5 Permits
  - Do they cover small facilities?
  - Big job to compile them
  - Issue of proprietary data

New Initiatives

- EIA?

- They are comfortable with their current data, and there is no push for them to get better or different data
- Could we use the president's CHP emphasis in the Energy Policy as argument to collect more complete CHP data?
- What data do we need?
  - >10 MW is acceptable as long as current data streams are maintained
  - <10 MW is okay (not as good as >10 MW data). There is an economic floor at 100-500 kW, so we don't need that data.

How to track growth – a stock model?

Who?

- Census
  - Cost: 50k to get a line on the census form, 15k annually to collect data
  - Need further discussion on what to ask- we may need more than one line
- IRS Depreciation Data – can we get more information on this?

Other

- Incentives for collecting data
- NY Systems benefit money (Center for Clean Air Policy knows about this)
- No incentive in Bingamans legislation
- Outline Common assumptions for models (EPA to do this?)

Future Potential

Skip's 4-P graph (to be released)

- Important because it shows not a large change in GDP with increased CHP installation.

Action Items

- Bruce, Neal and potentially someone from the CCAP will present results of this meeting at the roadmapping conference in Baltimore October 16-18, 2001.