



**21st Century  
Energy Plan**

**Alternate  
Technology  
Workgroup**



**Combined Heat & Power Team**  
June 20, 2006 Meeting Minutes  
MPSC Offices @ Hearing Room E  
10:00 – noon

**NOTE: Next Meeting is a teleconference call on Thursday July 6 @10:00 am**  
**Teleconference Call In: 866.628.8006**  
**Passcode: 998.4261#**

Dan Voss has developed a draft Position Statement (or Mission Statement) for the CHP Team to frame the work/deliverables of the group. This statement will be posted and shared with the team to refine and finalize as appropriate. George Stojic suggested making a slight change to the Mission Statement; Pat Poli captured these changes and will share with the CHP Team via e-mail.

CNF validation process discussed in terms of expectations for this group. Do we have the potential ability for making recommendations to create incentives for broader use of CHP in Michigan? George Stojic indicated that this seems acceptable, as there have been no constraints put forth which would preclude providing such recommendations in the context of the 21<sup>st</sup> Century Energy Plan.

Options to consider such as conversion of CHP to Tri-Generation? Should these be considered in this effort? Traditionally just Co-gen (CHP) is the only area of focus.

The CNF data for CHP was solely focused on existing boilers for (> 150 psi.) large boiler applications. and left off the medium/small sized boilers. Also left off were various chemical process applications of CHP.

The database which was used (Loch McCabe) could be refined further in terms of focusing on these smaller/medium sized boilers. Suggestion to conduct a more detailed study of CHP potential in Michigan for existing (small, medium and large sized) boilers in the near future.

Should the group look at on-site efficiency gains which could be made with boiler upgrades? Permitting issues may be an impediment to this approach. Natural gas fired boilers would not be as complicated as coal fired systems.

Would a set of incentives be advantageous to advancing CHP utilization? What are the range of options in creating incentives for this purpose?

Loch indicated that the CHP database has boilers listed by county. Is there a tie to DG for the application of wider use of CHP. Regional or site specific constraints (congestions) can lend itself to a greater use of CHP to alleviate pressures. Pricing constraints also can lead to a wider use of CHP in affected areas.

Renewable energy feedstock's for CHP are a viable option to consider, however this is still an emerging approach and should be economically feasible basis. Will these various renewable energy feedstocks be counted towards an RPS goal? Suggest placeholder for the renewable energy" portion of available resources (such as CHP)

Loch suggested a process to analyze and evaluate the CHP database to determine if the data is accurate and as current as possible. John Vial is apparently looking at the database to identify which boilers are not permitted to be operating, or are presently off-line.

Dan Voss developed a draft CHP Survey to use in revising data used in the CNF process. Various changes were discussed and made to the draft. The final draft survey will be sent out to boiler database owner's via MPSC cover letter.

What economic price ceiling should be used for purposes of including potential CHP (especially for small/medium sized boiler units)

Next CHP Team meeting (by teleconference) will be held on June 6, 2006 @ 10:00 11:00 am. Pat Poli to send out meeting notes and announcement.