



CHP Team  
June 28, 2006 Meeting Minutes  
10:00 A.M. – 12:00 p.m.

Sign-in Sheet circulated to attendees. Round table introductions for any new participants present. Review of meeting issues and work products developed to date.

Participants included;

Don Johns, MIAPPA  
Kate Elliott, U of M (by teleconference)  
John Vial, DEQ, AQD  
Steve Kulesia, DEQ, ESSD  
Adella Crozier, DTE  
Dan Voss, GM  
George Stojic, MPSC  
Pat Poli, MPSC  
Grady Nance, DTE (by teleconference)  
Loch McCabe, Shepherd Advisors  
Kurt Rudolph, Consumers Energy

John Vial discussed the MAERS data query that AQD staff ran in order to determine the value of the data with respect to CHP facility potential. This data is extracted from 2005 MAERS reporting facilities. Grady indicated that the query had good quality and reliability.

The Team discussed the various possibilities of using this data query for cross-comparison to the data used in the initial CNF process. Don Johns indicated that capacity data such as (lbs./hr.) for steam load would be nice to have, but it is not reportable under the MAERS program.

Loch suggested that if design capacities are compared (from the Boiler permit database) to the MAERS data query, there would be ability to assume/extract the capacity #'s

The initial process targeted larger sized steamload facilities, which would lend itself to CHP of the >4 MW size.

John Vial also pointed out that "institutional/commercial boiler facilities" can be added to the "industrial" boilers. Utility boilers are part of the data query presented and should be deleted from the list. If the institutional/commercial lists of boilers are pulled, it could provide good insight into additional CHP candidates. This would include facilities such as colleges, prisons and hospitals.

In addition, John Vial checked into other potential sources for good CHP candidates. This includes facilities such as kilns (coal, coke and Nat. gas fired), voided Air Permit Applications, etc. There are other categories to consider as well, such as Ethanol refineries, which at present will encompass 7 facilities slated to be on-line in Michigan. Ethanol plants are on-line 5 more are in the permitting approval process.

Don Johns pointed out that U.S. Steel is applying for a permit to utilize coke oven gas which would be a good candidate for CHP. Foundries and Glass manufacturing plants are also good facilities to explore for CHP potential.

The following Action Items are suggested to be acted upon with a goal of providing data to the CNF Update by no later than mid-August.

1. Merge data from MAERS database (query) into DLEG database (or vice-versus?) and clean up the data set (excluding utilities, non-candidates, etc.) Don Johns and Loch McCabe
2. Obtain additional sources of CHP, such as kilns, commercial & institutional, etc. (from DEQ data sources) to include in assumptions, but not add to the dataset of boilers. John Vial
3. Review and approval of assumptions used by John Vial in converting data (capacity Conversion, heat capacity, etc.) Grady Nance
4. Prepare a Strawman Proposal for Assumptions/Methodologies to estimate CHP potential for various categories to be included in the CNF Update process George Stojic and Paul Proudfoot, Dan Voss, Don Johns and Steve Kulesia (meeting to be scheduled next week (8/1)
5. Follow-up letter from MPSC to CHP Survey Questionnaire – Letter from George Stojic to all who participated and requesting those who didn't submit to please do so. – George Stojic

All Action Items need to be completed by August 15<sup>th</sup> for inclusion into the CNF Update.

The next meeting of the CHP Team will be by teleconference on August 7<sup>th</sup> at 10 am.