

Alternate Generation Group  
Minutes  
March 31, 2005

Don opened with handouts on modeling Cogeneration and a trigger price was discussed. The idea of Cogenerations should be view as a green power class when flue gases are burned in generator instead of going up the flue to atmosphere was discussed extensively. Gordon Hawk discussed the Rouge Plant and running a gas capture system from the furnaces and potential of 5-6 MW from this Cogeneration operation. Gordon also discussed the Paint booth gas capture with its potential of 5MW. The Fuel cell has experienced some problems with gas compatibility in the paint booth gas capture. The discussion carried into the potential of Cogen is ten times that of other generation processes that our group is working with. Waste gas that is going up the flue should be considered a renewable resource and be classified this way for the credits were discussed.

Gordon Hawk offered to supply data on fuel cells. He has a client who markets them and is interested in doing a presentation for our group at the next meeting.

Landfill Gas: A discussion on the charts and the variability of output on a daily basis. Mike Serafin volunteered to contact an operator in Wisconsin and supply this data at the next meeting.

A discussion of digester gas generation potential of 57MW with a 96% capacity factor for the farms in the study. The study detailed the 0.2-0.5 kW per cow potential. We discussed the data from the Agriculture Dept.

Don noted Dalsey might be able to use updated data for digester gas in Wastewater treatment facilities. This process has good potential, but finding data has been nearly impossible. If we do not find data on Wastewater treating and digester generation will be dumped into the emerging Technologies category of our study and limit it to qualitative analysis.

Wind working Group will attempt to model this potential for our group for only class IV and above sites. We will limit this to onshore only. The group agreed there is about 200-500 MW developable in the next 3-5 years.

Tom Stanton will review the DOE study and clarify their assumptions for long-term growth of wind. He will review technology assumptions that were used in the study.

John Sarver provided a draft of emerging technologies from a qualitative perspective, but this was not reviewed by most since it was not distributed. If everyone receives a copy by the next meeting we will review it.

Meade will be contacted on the potential for a biomass plant in the UP. Meade has conducted a study for the potential, but no one is knows if it is completed.

Loch discussed the Uof M mapping project. He disclosed the study includes the economic growth with the development of green power. This study will be used to support their argument to develop a green power policy at the state level.

Next meeting is scheduled for April 14, 2005 at 1:30 at the Commission's Office.