

MMR ENERGY COMMITTEE MEETING MINUTES

Date: 20 Nov 07

Time: 1:00-2:30 pm

Location: IRP Conference Room

Agenda: See email attachment

Attendees: See email attachment

1. Bob Cannon, Committee Chair, was unable to attend the meeting. Rose Forbes chaired the Committee in Bob's absence.
2. Rose welcomed all attendees and announced this was the second meeting of the MMR Energy Committee. She summarized the reasons for the formation of the Committee:
 - (1) facilitate crossfeed of energy conservation information and renewable energy initiatives across the various base agencies/tenants;
 - (2) assist MMR in complying with Executive Orders 13123 (<http://www1.eere.energy.gov/femp/pdfs/eo13123.pdf>) and 13423 (<http://www.whitehouse.gov/news/releases/2007/01/20070124-2.html>);
 - (3) assist MMR in meeting the goals of Congressman Delahunt's letter (<http://www.house.gov/delahunt/mmrletter.pdf>); and
 - (4) help make MMR more energy efficient.

In addition, Rose noted the base power grid is only operating on one transformer. The base lost one of its two 5000 KVA transformers last April during a storm. If the remaining operational transformer fails, there is no backup and the MMR would be without power indefinitely. While the base works to replace the second transformer, reducing energy demands can help to avoid overloading of the one existing transformer.

3. Attendees then introduced themselves and indicated their interest in the Committee. Rose described the AFCEE wind turbine project and some other AFCEE energy initiatives. Paul Nixon described the IAGSWP's wind turbine projects. Gerry Cogliano mentioned some of the USCG projects such as the geothermal heating/cooling system for a hangar and the recycling program.
4. Rose and Paul both described their experiences with Cape Light Compact's work in their respective facilities. The Cape Light Compact is a "rebate" type program that collects money from each account based on a percentage of the utility bills. The money goes toward improving energy efficiencies in residences and businesses on the Cape. Cape Light Compact will conduct energy audits and make improvements at facilities. In AFCEE's case for example, Cape Light Compact, through its subcontractor RISE Engineering, replaced lighting in offices and treatment plants and also installed programmable thermostats in offices resulting in an energy savings of approximately

\$55,000 annually. Mike Netto pointed out that Cape Light Compact can also assist in heating improvements (i.e. installing insulation) at a reduced cost. The Compact also offers rebates for other improvements and purchases of Energy Star products. The Committee members were very interested in having Cape Light Compact come to one of the meetings and explain its program. Rose volunteered to coordinate this effort.

5. Paul Nixon and Mike Netto discussed the base utility bills. Mike explained how he creates a baseline for power consumption (i.e. kilowatt-hours per square foot of building space). Mike volunteered to explain his process in more detail at a future meeting if Committee members are interested. Paul asked Mike if Mike and/or Tony Fizzuglio (102 FW/CE electrical engineer) could also provide, at a future meeting, an overview of the base electrical system and how the billing is accomplished. Committee members were also interested in rate structuring and on-peak/off-peak loads.

6. Rose discussed possibly using the MMR Visitor's Center as a location to display various organizations' energy initiatives. Committee members approved of this idea.

7. Rose also mentioned looking into funding sources for greening MMR. Could the Energy Committee serve as a conduit for grants from AFCESA, or DOE, or other funding sources to improve some of the buildings on MMR? Committee members agreed this was a good idea but the Committee needs to discuss this further.

8. In addition to the Cape Light Compact presentation, other Committee interests include visiting the USCG's geothermal energy project and/or a presentation by MTC or DOE. Committee members are free to provide suggestions any time.

9. The Committee decided that a bimonthly meeting frequency (i.e. one meeting every other month) would be appropriate unless a topic requires more frequent meetings. For example, the earlier we can meet with Cape Light Compact, the sooner their work will pay off. Rose will schedule another Committee meeting once she has a commitment from Cape Light Compact.

10. Future discussion topics include:

- Cape Light Compact presentation
- 102 FW/CE electrical grid/billing presentation
- Field trip to USCG geothermal project
- MTC visit/presentation
- DOE visit/presentation