

MMR ENERGY COMMITTEE MEETING MINUTES

Date: 20 Jan 2009

Time: 2:00-3:15 pm

Location: Visitor's Center

Agenda:

- Outreach/Website, Elizabeth Kirkpatrick (USCG)
- Organization Updates: Goals, Activities, Scheduled Energy Audits, Rose Forbes (AFCEE)
- Update EOEEA discussions with MMR Leadership on the Possibility of Additional Wind Turbines at MMR, Evan Dube (MA Renewable Energy Trust)
- Solar Energy Discussion, Evan Dube (MA Renewable Energy Trust)

Attendees: See attached distribution list

1. Rose Forbes (AFCEE) opened the meeting by welcoming the attendees and providing an overview of the agenda. She distributed a copy of the organization update sheet and asked the attendees to update it if applicable. She reminded the Energy Committee members to place calls for energy audits and stressed that energy conservation is important for MMR. She also mentioned the Senior Environmental Corp representative, John Brazier, is available and willing to assist with energy audits or entering information into the Energy Star Portfolio for energy tracking purposes. Rose is developing a spreadsheet to use for tracking energy audits.
2. Bill Stirling (102 IW) updated the members on the base transformer project. The 102 IW has two 5 MVA transformers, one of which failed during a storm approximately two years ago. A contract is out for bid to replace the one 5 MVA transformer with a 7.5 MVA transformer. Bill's office developed an energy use reduction strategy (see attachment) to sequentially curtail load during high use events (i.e. extreme temperatures) until the failed transformer is replaced.
3. Elizabeth Kirkpatrick (USCG) discussed Committee Outreach activities and gave an update on the Energy Committee website. Committee members who have ideas to share or would like to assist with Outreach activities should contact Elizabeth directly. Elizabeth mentioned the energy star portfolio planned for the BX/commissary was moving slowly since the building is not managed directly by the USCG.
4. Paul Nixon (IAGWSP) suggested using the Visitor's Center as another test case for the Energy Star Portfolio project. Paul volunteered to provide the building information to John Brazier so John can develop the portfolio and determine a rating for the building.

5. Evan Dube from the Massachusetts Renewable Energy Trust attended the Energy Committee meeting to discuss opportunities for solar energy at MMR and to provide an update on wind energy initiatives at the base.
6. Steven Clarke and Greg Watson from the Executive Office of Energy and Environmental Affairs (EOEEA) attended the November 2008 Energy Committee meeting to present and discuss the State's interest in wind energy at MMR. Evan Dube, as part of the update, told the Energy Committee members that several working groups have been established and are evaluating various parts of the initiative. Barbara Burnett mentioned that the decision makers at the Pentagon should be notified since they signed the lease. Rose handed out a copy Governor Patrick's Goals for Wind Power: 2000 MW of wind power capacity, enough to power 800,000 Massachusetts homes, by 2020.
7. Evan discussed the State's solar program. The State provides assistance for solar energy projects as part of the Massachusetts Technology Collaborative Renewable Energy Trust solar program. Small projects are typically less than 200 kW; large projects are considered to be over 200 kW. Carter Hunt mentioned movable photovoltaic (PV) arrays and stated that environmental impacts and/or aviation impacts of PV systems would have to be considered. Rose passed out a copy of a figure showing a concept developed by Sandia National Labs for a "Military Surety MicrogridTM," which combines battery storage, generators, and renewable energy technologies to continue to supply power to a military base in the event power is severed from commercial sources.
8. There was a request for a "Power 101" course. Rose will look into this.
9. Next meeting: The next energy committee meeting will be held the third or fourth week of February at the IRP conference room (Bldg 322 on East Inner Road). Rose will send out a meeting announcement. Potential agenda items include: (1) presentation by Gloria Spire, a solar company; (2) visit by John Burns of Cape Light Compact to discuss energy audits; (3) update on the CGES/BX/Commissary Energy Baseline and/or Visitor's Center baseline; (4) Website update, and (5) update on wind/solar initiatives at MMR.
10. Remember to schedule your energy audits if you have not done it yet. Contact Cape Light Compact at <http://www.capelight-compact.org/> or call 1-800-797-6699 or NSTAR at <http://www.nstaronline.com/>.
11. Please contact Rose Forbes at 508-968-4670 x 5613 or email rose.forbes@brooks.af.mil if you have any questions, comments, or suggestions about the minutes or the MMR Energy Committee.