

MMR ENERGY COMMITTEE MEETING MINUTES

Date: 10 Aug 2010

Time: 2-3:30 pm

Location: Bldg 322, East Inner Road

Agenda: Agency Updates

Attendees: See attached distribution lists (Attachment 1)

1. Update on MMR projects:

- AFCEE Wind Turbine Project (Rose Forbes and Paul Nixon).
 1. JOG approved wind turbine project pending FAA/PAVE PAWS reviews/approvals. Received FAA and PAVE PAWS approvals.
 2. Draft EA available on www.mmr.org under “What’s New” and “Public Comment”. Public comment period 6 Aug – 7 Sep 2010.
 3. AFCEE awarded the Design-Build contract to ECC for \$9.328M. ECC proposed two GE 1.5 MW wind turbines.
- Solar Photovoltaic (PV) Landfill Project (Rose Forbes)
 1. EPA/DOE Feasibility Study for assessing PV on the closed base landfill is available in draft format (Attachment 2).
 2. DOE’s conclusion suggests solar PV is a viable technology.
 3. 102 IW/CE is interested in pursuing a developer-based project.
- PAVE PAWS Project (Steve Mellin)
 1. PAVE PAWS is working on a constructability assessment for two wind turbines behind their facility; discussing whether to do an Environmental Assessment (EA) or to CATEX it based on AFCEE EA.
 2. PAVE PAWS is also installing new chillers that will be more energy efficient than the existing ones. Two 450 ton chillers are being replaced using an AFCESA contract; estimated annual savings of \$150,000 in energy costs.
 3. PAVE PAWS is working with Cape Light Compact on energy efficiency improvements (lights, pumps, motors); annual savings estimated at \$270,000.
- Sr Env Corps Projects – No representatives were in attendance to provide an update.
- 102 IW ANG Projects – No representatives were in attendance to provide an update.
- MA ARNG (Jim Oliveto) – Contracting is working on projects through Cape Light Compact to upgrade seven barracks with new heating and domestic hot water energy systems. The contracts are delayed at HQ.
- USCG (Elizabeth Kirkpatrick and David Tessicini)
 1. USCG continues to work with CLC on a number of projects adding up to ~ \$200,000 savings annually.
 2. USCG had a FEMP energy audit completed in July 2010.
 3. USCG is also working with ENERNOC, an energy curtailment company, for the demand response program.
- VA Wind Turbine (Greg Boehm) – The Energy Committee welcomes Greg Boehm’s return to MMR and his participation on the Committee. Greg mentioned the VA is installing a 50 kW wind turbine. Greg is also interested in looking into geothermal energy for the new buildings under construction at the VA.

- USDA Geothermal Project – No representatives were in attendance to provide an update; however, Rose Forbes indicated the USDA is proceeding with plans to tie into the treated effluent line from the CS-10 system. They will be using the treated effluent for their HVAC and nonpotable water needs.
 - E&RC (John Kelly) – No updates
 - MassDevelopment (Carter Hunt) – No updates
 - EMC/EOEEA (Mark Begley) – No updates
2. Orlando Martinez (MassCEC) gave a presentation on the meteorological (met) tower results (Attachment 3). MassCEC asked if the Energy Committee wanted to extend the license agreement for another year. The current license ends in Nov 2010. If there is no interest in keeping the met tower active, it will be removed in Nov 2010. A Final Wind Report will be available in Dec 2010. Rose mentioned that the met tower data was helpful in the new AFCEE wind turbine project. The data from the met tower was sent to GE with the other available wind data. The data from the met tower might also be useful for other wind projects in the future. Paul Nixon proposed to continue data collection with the met tower. Carter Hunt seconded the motion. All Committee members were in favor. Carter mentioned using the DOT towers for wind data collection also.
 3. Rose discussed a project called Flo-Design. She was contacted by a company that is interested in conducting research & development at MMR of a unique type of wind turbine. Rose referred the person to MassCEC. Orlando Martinez is assisting the company with finding a test site.
 4. Next Energy Committee meeting is scheduled for 14 Sep 2010 at 2 pm. Agenda will include agency updates, Energy Awareness Month activities, and visit from Maggie Downey to discuss landfill solar PV project.
 5. Please contact Rose Forbes at 508-968-4670 x 5613 (rose.forbes@us.af.mil) if you have any questions, comments, or suggestions about these minutes, ideas for the next meeting's agenda, or the MMR Energy Committee.

3 Attachments:

1. Distribution/Attendee Lists from 10 Aug 2010 Meeting
2. DOE Landfill Solar Draft Feasibility Study
3. MassCEC Met Tower Presentation