

MMR ENERGY COMMITTEE MEETING MINUTES

Date: 19 January 2010

Time: 2:00-4:00 pm

Location: Bldg 322, East Inner Road

Agenda:

- Agency Updates on Energy Conservation and/or Renewable Energy Projects
- Review of New Executive Order 13514
- Lighting Project
- Purpose of Committee
- Annual Report Discussion
- Future Agenda Items

Attendees: See attached distribution list

1. The MMR agencies provided updates on their conservation/renewable energy projects as follows:
 - A. USCG: Elizabeth KirkPatrick stated that in June 2009, the Air Station Cape Cod (ASCC) engaged the Cape Light Compact (CLC) to make the existing Coast Guard infrastructure more energy efficient. Since then CLC has worked building by building to re-lamp and re-ballast lighting fixtures, install occupancy sensors and upgrade refrigeration units. Work that has been completed to date entails an annual estimated savings of 237,304 kWh and \$44,555 on the electric bill. At zero direct cost to the USCG, the CLC fully funded the equipment and labor in the amount of \$122,821. The partnership will be finalized by the close of 2010. The USCG projects the total estimated savings will approach \$225,000 for project costs and \$90,000 on ASCC's annual electric bill. The CLC is an inter-municipal energy service organization that is funded by all consumers of electricity on Cape Cod and Martha's Vineyard. The USCG is also evaluating upgrading the lighting on the runway. Elizabeth also participated in the Energy topic at the Environmental Fair held on MMR.
 - B. ARNG: There were no representatives of the ARNG in attendance.
 - C. ANG: Bob Blair reported the ANG has conducted energy audits with the CLC. They are aiming at LEED silver certification for their new DGS facility and are considering the use of treated water from the Sandwich Road treatment facility for heating/cooling in the new facility. The ANG has also developed a basewide boiler management plan and will be lifecycle costing for their systems. Paul Nixon asked about the status of the base transformer upgrade. Bob Blair reported the upgrade to a 7.5 MVA transformer has been completed but that relay testing is still scheduled.

- D. PAVE PAWS: Steve Mellin reported PAVE PAWS is evaluating chiller replacement which is expected to save approximately \$50k annually. They are also evaluating installation of wind turbines behind their facility.
 - E. Comm Squadron: CMSgt Heckler reported the Comm Squadron is planning to upgrade their air conditioning system with more energy efficient units.
 - F. IAGWSP: Paul Nixon reported the Impact Area Groundwater Study Program continues to optimize their pump and treat systems by adjusting wellfield pumping rates. The IAGWSP is working with AFCEE to install two to three more turbines in the northern part of the base behind PAVE PAWS.
 - G: EPA: Paul Marchessault from EPA is working with DOE National Renewable Energy Lab (NREL) on a solar photovoltaic project on the landfill cap.
 - H: Senior Environmental Corps (SEC): John Brazier from SEC discussed energy audits of a few base buildings: Bldg 322 (IRP building); Welcome Center; EOD building.
 - I: AFCEE: Rose Forbes noted continued optimization efforts in the AF groundwater cleanup program and also mentioned the coordination between the IAGSWP and AFCEE for new wind turbines in the northern part of the base.
 - J: USDA: Rose Forbes (AFCEE) noted that Ken Casson retired at the end of December 2009 and that his replacement for the Energy Committee was identified but was not able to attend the meeting. Rose noted that the USDA is considering using treated water from one of AFCEE's systems for geothermal heating and cooling purposes for a new building they will be constructing.
2. Paul Nixon presented an overview of the new Executive Order 13514. The presentation is attached to the email with the meeting minutes.
 3. Paul Nixon and Rose Forbes noted an inordinate number of outside lights on during the daytime and some potentially unnecessary lighting left on during the nighttime. Paul thought a survey might be useful to highlight some of these instances. John Braziers from the SEC volunteered to assist with cataloguing the lights. Their use could then be evaluated to see if they are necessary and controls (i.e. light sensors and/or times) could be used to turn them off when they are not needed.
 4. Purpose of the Committee: Rose Forbes wanted to get the Committee's members input on the purpose of the Committee. All members thought the Energy Committee was useful and Mass Development suggested preparing a Mission Statement.
 5. Rose Forbes introduced the idea of an annual report summarizing the activities from the various MMR organizations. The Committee approved of the idea and Rose volunteered to

prepare a draft outline for the Committee's review. She will include a draft Mission Statement in the draft outline.

6. Future agenda items/activities: Rose Forbes introduced a number of ideas for future Energy Committee meetings including a presentation on geothermal energy, updated program presentations by National Grid and CLC, internal energy audits, MMR renewable energy projects, etc.
7. The next Energy Committee meeting will be held on 9 March 2010 at Bldg 322, the IRP conference room. Topics will include presentations on upcoming renewable energy projects.
8. Please contact Paul Nixon at 508-968-5620 (paul.nixon@us.army.mil) or Rose Forbes at 508-968-4670 x 5613 (rose.forbes@brooks.af.mil) if you have any questions, comments, or suggestions about the minutes, next meeting's agenda or the MMR Energy Committee.