

## MINUTES

Madison Town Energy and Efficiency Committee

Madison Town Campus

January 19, 2016

Members Present: Woodie Weiss, Chairman  
Ron Hick  
Francis Pullaro  
Tracy Juengst  
Public Works Director Bill McMinn  
Absent Guy Mannino, Bill Cash, Dick Evarts

**1. Call to order.** The meeting was called to order at 5:11 p.m. by Chairman Weiss.

**2. Minutes Review: November.**

A motion was made by Tracy Juengst and seconded by Ron Hick to approve the meeting minutes. The motion passed unanimously.

**3. ZREC Updates.** Bill McMinn said he expects a decision soon from the North Madison Fire Department. Tracy said that the ZREC could be a back-up, in addition to having cost saving. Bill added that he inspected the roof on the town gym. Woodie said that the committee will go for ZREC applications for the gym and the town garage in February. Bill finished by saying he was meeting with roofers for a look at Hand and Polson schools and discuss how to erect solar while remaining in conformity to the warranty and then after that send the projects out for bid.

**4. Microgrid Projects** (Downtown, Polson, Hand, Town Campus, Police Station)

Woodie and Bill McMinn and discuss the rolling grants available for engineering (not construction), and additional financing from the Green Bank perhaps for the construction.

**5. Eagle Scout Project East Wharf.** The committee reviewed and approved the proposal from Brennan Couturas (see below) to switch out the public lighting at East Wharf with solar lighting.

**6. Goals for 2016 (in no particular order):**

A) Review and update the 2010 Board Of Selectmen Charge to the Energy & Efficiency Committee (see next section below).

B) Review committee charge, how to ensure committee review of, and involvement in, projects with possible energy efficiency impact (streetlights, downtown lighting, etc)

C) Apply for Year 4 small ZREC awards in February

D) Assist Tracy in obtaining necessary records to complete municipal benchmarking project

E) Wrap up North Madison PV system. The North Madison Volunteer Fire Company was awarded a small ZREC project of about 33 kW and has awarded the project to Sunlight Solar. Bill McMinn is coordinating the installation of the system. This project will supply approximately 70% of the power the facility uses each year.

F) Hold workshop for Madison businesses to explain advantages and available incentives for energy conservation and renewable energy projects

**7. Election of Officers.** Chairman: Woodie Weiss; Vice-Chairman: Tracy Juengst; Secretary: Francis Pullaro

The meeting adjourned at 6:40 PM.

**Framework of Brennan Couturas' Eagle Project:** Identified need: Madison's current public lighting is outdated technology resulting in unnecessary costs and environmental concerns

Proposed solution: use of solar energy for the town of Madison

Overview of the proposed project: pilot project of solar lighting at Madison's East Wharf Beach

Needs: Town approvals and support, materials, funding, volunteers, community leadership, and technical advisors

Next steps: team effort, funding, logistics and key dates toward completion

**My Eagle Project Description:** East Wharf location will be converted to a renewable energy solution and rid of outdated and costly technology and CL&P meter

Solar panels can easily power all 3 bulbs and have enough power for new benefits such as added cellphone charging station in gazebo

New LED lights in both gazebo and bathroom

Plaque explaining renewable energy value to community and its benefits to the environment

Will provide a positive and lasting impact to Madison with cost savings to the town and environmental benefit with cleaner lighting while providing a critical step forward toward clean energy awareness in a popular public area.

Will demonstrate my leadership through my efforts working with the Town of Madison, raising funds, and motivating others in a team effort in delivering the ground-breaking clean-energy solution for the community.

Requires my planning to organize all project elements of needed approvals, materials, people, costs and schedule time-spans. My goal is to complete the project by Memorial Day weekend which is the official opening of East Wharf Beach.

**Current Town Situation:** Town is just now installing light emitting diodes (LEDs) downtown

Rest of town still using less efficient light sources ---incandescent, pressure sodium and florescent lights

Town is wasting money on several Connecticut Light and Power (CL&P) meters around town East Wharf's Gazebos, bathroom; West Wharf Guard shack,; Surf Club: guard shack, bathrooms, and snack bar

**Project Timeline:** January – research, approvals and permissions obtained

February – fund raising, review and finalize design

March – investigate wiring and electrical codes, order components

April – oversee licensed electrician and installation, design and order plaque

May – complete installation in time for beaches opening on Memorial Day

Technical details and design:

X Watt solar panel

X watt bulbs

Charging station

Battery capacity

Housing infrastructure

Solar direction for placement and electrical code requirements