

MINUTES

Madison Town Energy and Efficiency Committee
Madison Town Campus
February 19, 2016

Members Present: Woodie Weiss, Chairman
Ron Hick
Guy Mannino
Francis Pullaro
Tracy Juengst
Dick Evarts
Selectman Al Goldberg

1. Call to Order. The meeting was called to order at 5:05 p.m. by Chairman Weiss.

2. Minutes Review: January

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

3. Workshop for Madison Business Owners. Woodie said that there was 3 presentations and a Q&A. Tom Latuer, energy consultant for the town talked about shopping for the energy suppliers; Eversource Clean Energy Group talked about their small business energy advantage program, Green Bank presented and then there was a Q&A.

5. ZREC Updates. The North Madison Fire Department will move forward (PPA for 15 years). Tracy said that the ZREC could be a back-up, in addition to having cost saving. Applications for the gym and the Public Works garage were finished last week.

6. Microgrid Projects (Downtown, Polson, Hand, Town Campus, Police Station). Woodie said he will be talking to CT Dept. of Energy & Environmental Protection, The Sustainable CT Energy Network about towns applying for microgrid projects. And then meet with First Selectman, Tom Banish to follow up and if he and the consultant, Tom Latuer like it—then proceed in applying for the rolling grants available for engineering (not construction), and additional financing from the Green Bank perhaps for the construction.

7. Eagle Scout Project East Wharf. with Brennan Couturas (see below) to switch out the public lighting at East Wharf with solar lighting. Guy had given Woodie information about Photovoltaic Kits. Tracy gave a list of meters in town for the town for potential future projects (ie Garvin Point restroom, West Wharf restroom).

8. Legislative Update. Francis said the General Assembly is in a short session so no new programs or expansions are expected, although the Energy & Technology Committee raised concepts to create placeholders for future bills.

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

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