

Marshfield Municipal Wind Project Update

April 2010



Mass Maritime Academy Turbine
Buzzards Bay, MA

BACKGROUND OF WIND STUDY



- Energy Committee's Wind Siting Sub-Committee researched hundreds of potential sites in town.
- Five potential sites were chosen as "finalist" sites, and visited by committee members.
- Post site visit, the five sites were narrowed to three.
- These three potential sites underwent a preliminary evaluation by the University of Massachusetts Wind Energy Center (WEC) for the Massachusetts Renewable Energy Trust.

SITES EVALUATED IN WEC REPORT

- Carolina Hill
 - Area studied is near existing water tower on a large undeveloped parcel of town owned land
- Marshfield High School
 - Area studied is next to the tennis courts behind the Marshfield High School
- Rexhame Beach
 - Area studied is located on the waterfront at Rexhame Beach on a town owned parcel



FACTORS CONSIDERED IN WEC REPORT



Hull Municipal Light Plant
Hull, MA

- Predicted Wind Resources at each site
- Noise considerations
- Environmental permitting issues
- Proximity to airports
- Access for turbine construction/maintenance
- Net metering options
- Production estimates for turbines

NEXT PHASE IN THE PROJECT CYCLE

- Based on the WEC report the Energy Committee recommended Carolina Hill as the most suitable site.
- Work towards entering into the feasibility phase of the process to determine the viability of the project.
- The feasibility stage involves a year long study of the wind resources, review of the site, the electrical infrastructure, environmental and permitting issues and financial analysis.



We welcome you to attend our meetings. The Energy Committee works on numerous projects in addition to wind.

Please visit www.marshfieldenergy.org for more information or visit the town's website and go to the Marshfield Energy Comm. page for a link to our website.

Thank you