

DENNIS WATER DISTRICT

Board of Water Commissioners

Minutes of Meeting held

October 28, 2010

A meeting, having been duly posted, was held this date at the Dennis Police Station, Martin Training Room, 90 Bob Crowell Rd., S Dennis. The meeting was called to order by Paul F. Prue, Chairman at 6:00 PM. Also in attendance was Peter L. McDowell and the following District official:

Sheryl A. McMahon, Clerk & Treasurer

David Larkowski, Superintendent

Water Commissioner Charles F. Crowell was absent.

PUBLIC INFORMATION & COMMENT - None

STATUS ON MASSACHUSETTS ESTUARIES PROJECT REPORTS

Chairman Prue announced that the National Academy of Sciences to meet with officials for possible review of MEP science on Friday, October 29, 2010, 1:00 PM, Orleans Town Hall.

Chairman Prue announced that the Comprehensive Wastewater Task Force (Task Force) will meet with Dr. Brian Howes, SMAST, to hear the report on MEP report on Bass River on Thursday, November 4, 2010, 5:00 PM, Dennis Town Hall. Mr. Larkowski announced that he just received notification that the report is available from the internet site and distributed printed copies of the report to the Water Commissioners. Mr. Larkowski requested that the report be distributed to Town staff and to the Task Force. On a motion made by Peter L. McDowell, and duly seconded, the Board ***UNANMOUSLY VOTED: to authorize the release of the Massachusetts Estuaries Report on Bass River.*** Mr. McDowell commented that the meeting with NAS is important because of the desire to review the computer models used in the MEP reports being produced for Dennis' estuaries.

Chairman Prue announced a public meeting called by the MA Water Infrastructure Finance Commission Cape Cod Hearing to be held on Wednesday, November 20, 2011, 10:00 AM at the Cape Cod Community College.

Mr. McDowell noted that a legal firm hired by the Cape Cod Commission has filed a response to a notice of intent to file suit by the Conservation Law Foundation. The response alleges that the state and the federal governments should be responsible for financing wastewater management solutions for Barnstable County.

JOINT MEETING WITH BOARD OF SELECTMEN – Paul McCormick, Chair, Heidi Schadt, Wayne Bergeron and Alan Tuttle

Chairman Prue recognized the Chairman McCormick of the Board of Selectmen as well as other attending members.

Superintendent Larkowski provided a Power Point review of the status of the District's Wind Power Feasibility Study. The full report is available on the District's website and is attached to these minutes. The highlights included maps showing the siting of two wind turbines in the area known as

the “Greenbelt”. The site is adjacent to the Dennis/Brewster town line and is north of Old Chatham Road and south of Airline Road. The site is ideal because of its relatively flat profile and its proximity to the electrical power lines.

The presentation included photo simulations taken from various points throughout the Town.

There were no environmental concerns regarding wetlands or endangered species. An Avian Study found no species of concern and no significant impacts expected.

The Superintendent did a local survey of existing conditions for ambient sound levels. He found that the existing conditions in most cases are louder than any noise from a wind turbine. He believes that the wind turbine being considered will meet the State noise requirements.

Permitting issues were reviewed. The wind turbines being considered for the District meet the local large scale wind turbine zoning requirements. The project will require a “Certificate of Appropriateness from the Old Kings Highway Regional Historic District Committee. An FAA Determination of “No Hazard is expected. The use of the land for electrical power generation and will almost assuredly require special legislation to over come the Article 97 restrictions.

The estimated annual wind turbine production is 3,400,000 megawatt hours under P90 conditions which are the most conservative estimating model. Which is a net capacity factor of 24.4% for the 1.6 MW GE turbine being contemplated. The District uses approximately 1.3 MW leaving 2.1 MW to be sold at net metering rates.

The study demonstrates that a 1.5 MW class of turbine is necessary to produce sufficient power to meet the District’s electrical needs and sell back to the grid in order to meet the financial obligations of debt service to build the turbine, a sinking fund for future capital replacement and on-going maintenance costs. The cost of construction is estimated at \$4.1 million. The debt service is based on a 15-year loan at 3.75%. The various methods of receiving revenue from the power generated was reviewed.

The Superintendent reviewed the possibility of having the Cape & Vineyard Electric Cooperative lease the sites from the District, construct the turbines assuming all costs and liabilities and the purchase discounted power from them. This is the arrangement that is under consideration by the Town of Brewster for their two turbines. CVEC would require that the District sign a letter of intent stimulating that the District would not proceed with another option until it was able to make a presentation which may take up to six months.

Topics for the two boards to consider was joint project on the District’s property, permitting and Article 97 issues and how they could be addressed and what were the next steps to be taken in the process.

Discussions ensued regarding the possible impact of two turbines in terms of noise. Mr. Larkowski suggested that a more comprehensive noise study be conducted prior to construction. Mr. McDowell described his experiences at a wind turbine farm overseas while he was on vacation.

There was a discussion regarding the potential project being developed by CVEC and how the excess power generated is distributed.

Mr. Bergeron advised that he would be attending a hearing by the Cape Cod Commission on regulating wind turbines. He believes that there are some people that are definitely impacted by their proximity to an operating large scale wind turbine.

Chairman Prue suggested that the Board of Water Commissioners have a work session to review the details of the Feasibility Study.

Mr. Larkowski reported that in anticipation of Hurricane Earl, the District's two trash pumps and the one dewatering pump were tested and found to be operational. However, when used during two recent water main breaks, all three died. They need significant work and he would like to buy one trash pump and one mud pump. On a motion made by Peter L. McDowell, and duly seconded, the Board ***UNANIMOUSLY VOTED (2-0-0): to transfer \$3,000 from the Reserve Fund for the purchase of a new trash pump and a new mud pump.***

On a motion made by Peter L. McDowell, and duly seconded, the Board ***UNANIMOUSLY VOTED (2-0-0): to adjourn the meeting at 7:20 PM.***

Respectfully submitted,

Sheryl A McMahon, Clerk