

MEMORANDUM

TO: Gregg Tivnan, Assistant Town Manager
FROM: Lauren Sinatra, Nantucket Energy Office
George Aronson, Nantucket Energy Office
RE: Update of Nantucket Energy Office Activities:
First Quarter of FY2014
DATE: 25 September 2013

This memo lists activities of the Nantucket Energy Office in the first quarter of FY2014. Activities are listed for each category of tasks listed in the Energy Policy Recommendations approved by the Board of Selectmen in FY2013.

Reduce energy consumption

- Mass Save residential energy assessments. Scheduled Mass Save week for October 7-13. Seventh straight coordinated visit, with all appointments estimated to be filled (~60).
- Municipal facility audits. Arranged for Northern Energy Services to perform lighting audits of Surfside wastewater treatment facility; Siasconset wastewater treatment facility; the Fire Station on September-20th; the police barracks, the NRTA and Air Rescue buildings at the airport to receive audits during week of September-30th.
- Town energy consumption data. Updating list of Town electrical meters and accounts. Preparing comparison of Town energy use in FY2013 and prior years. Collected data on #2 fuel oil burner equipment and consumption at municipal facilities.
- Heating oil burner efficiency improvements. Identified products for improving heating oil burner efficiency. Working with vendor to identify specific opportunities.
- LED streetlights. Designed concept for LED streetlight pilot program. Identified street lamps for the pilot. Developed mechanism for public input. Requested data on streetlights from National Grid.

Community information & events

- Updated Website. Redesigned Energy Office website to reflect new activities and information, with a more user-friendly format.
- Three separate events to educate the general public on relevant energy-related topics:
 - On October 9, 2013, in collaboration with National Grid, Lauren has coordinated a workshop for local contractors titled “**Professional Training & Business opportunities available under the Mass Save Program**” (Making Money with Mass Save).
 - On November 13, 2013, in collaboration with the Nantucket Builders Association and the DOER, Energy Office has arranged for Mike Berry (ICF) and Seth Pickering

(Green Community Coordinator; MA DOER) to come to Nantucket to review current and pending changes in energy efficiency code requirements: **“Introduction to the New Energy Base Code (IECC 2012).”**

- On December 4, 2013, National Grid’s Director of Distribution Facility Planning will present: **“A Third Cable for Nantucket? Forecasting Nantucket’s Energy Load Growth”** at the Nantucket Atheneum.
- Community Energy Fair. Begin planning for spring 2014 Community Energy Fair. Recruiting volunteer committee to identify host location, dates, speakers, demonstrations, and events.

Support development of solar energy and geothermal energy recovery

- Solar PV opportunities. Identified screening criteria for solar PV opportunities and grant funding opportunities. Identifying inventory of Town buildings and properties. Began screening prospects for solar PV installations and pilot “solar shingle” installation.
- Review of existing geothermal system performance. Coordinated re-commissioning audit of geothermal systems at the Airport and the Public Safety Building on October 2, 2013.

Consider energy efficiency in Town planning decisions

- Electric vehicles. Supported electric vehicle demo on-island with Tesla. Supporting demo on island with BMW. Fixed EV charging stations.
- Energy service company (ESCO). Supporting process for developing an RFP for an ESCO at the Nantucket Memorial Airport as part of the Carbon-Neutral Airport Program.
- Facility Manager coordination. Working with facility managers at the airport and schools on an ongoing basis. Identified coordination issues with Town’s new facility manager position.

Other

- WPI Student Research Project: Preparing as project sponsor for student research project: “Using Mass Energy Insight to measure municipal energy performance and support employee energy awareness efforts”
- Visit of EEA Secretary. Supported visit of Secretary Sullivan to Nantucket. Provided pre-visit briefing memo; attended sessions; provided post-meeting follow-up letter and information.
- Waste plastics recovery. Developed concept for investigating conversion of waste plastics at the landfill to liquid fuels.
- Continued demand response program at the Surfside wastewater treatment facility. Identified and fixed failed transfer switch.
- Invoiced in July for \$3,808.00 in RECs from the wind turbine. Arranged for repairs to Wind Turbine website and meter. Working on display of real-time data from the wind turbine at visible locations at the high school and at Town Hall.