

## ***MEMORANDUM***

TO: C. Elizabeth Gibson, Town Manager  
FROM: George Aronson, CRMC, Sr. Advisor; Nantucket Energy Office  
Lauren Sinatra, Energy Coordinator; Nantucket Energy Office  
RE: Energy Office Accomplishments in FY2013  
DATE: 19 March 2013

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Below is a list of Energy Office accomplishments for FY 2013 for your reference, with estimates of the value to the Town.

### **Mass Save audit program** (current estimates to be confirmed by data from National Grid and ESG)

- Arranged to complete 170 audits in two designated *Energy Assessment Weeks*: November 5-11, 2012 and March 11-15, 2013.
- Secured “instant savings measures” materials and products (light bulbs, weather stripping, etc.) for residents at no cost that are valued at over \$50,000
- Provided residents with incentives from National Grid to implement energy efficiency measures (air-sealing, insulation, etc.) valued at over \$400,000
- Generating work for local contractors on an ongoing basis (HVAC, Electricians, Plumbers).
- Helped prove the need for Mass Save to hire two part-time Nantucket-based Energy Specialists to perform Home Energy Assessments on a consistent and timely basis.

### **Town energy purchase transactions**

- Managed procurement of electricity supply from a third-party after rejecting offer to renew past contract on a sole-source basis. Savings estimated at \$70,000 in calendar year 2013 compared to the contract renewal that the Town would otherwise have accepted.
- Registered and sold Renewable Energy Certificates (RECs) from the High School wind turbine to generate cash receipts of \$13,192 to date (including retroactive sales from FY2012 that would otherwise have been lost). Acquired renewal contract for FY2014 with value of at least \$11,000 (depending on actual generation from the wind turbine) and zero risk for low production.
- Procured arrangement for demand response at the Surfside WWTF with potential to generate \$10,000 per year in cash receipts.

### **Town municipal electricity purchases**

- Identified basic information on Town electric meters, consumption and costs
- Ranked top 20 municipal electric users and developed cost-reduction strategies for each.
- At no cost, secured from Mass DOER over 600 LEDs for over a dozen municipal buildings, valued at nearly \$18,000 with potential savings valued conservatively at \$18,000 per year (see attachment).

- Worked with National Grid to complete free audits at the DPW compound, airport and senior center. Secured incentives worth \$55,000 to implement efficiency measures. Secured zero-interest financing through National Grid invoice system with net savings of 10,000 per year and overall payback of less than two years.
- Working with National Grid on energy efficiency audits, assessments and studies at the Surfside WWTF, Siasconset WWTF, the High School, the Elementary School, Town administration offices and Nantucket Ice.

**Other accomplishments**

- Secured free “SEE the Light” Energy Toolkit (valued at \$1000), through DOER/National Grid pilot program to assist the Town/Airport to engage employees to reduce energy waste.
- Working with local material suppliers to stock energy-efficiency materials
- Providing community education. Distributing brochures and literature; maintaining website; giving public presentations; giving monthly radio interviews on WACK.FM
- Sponsored and advised a WPI student research project: “Evaluation of the Awareness & Effectiveness of the Mass Save program on Nantucket”
- Supported preparation of “Carbon Neutral Program” proposal for the Airport in response to DOT RFP.
- Supported installation electric vehicle charging stations
- Supported efforts to evaluate feasibility of tidal energy recovery