



Energy Updates: Summer 2014

The Energy Office reports a 3% reduction in TON electricity consumption in FY2014 vs. FY2013. **Since FY 2012, the Town's electricity use has dropped by 12%**, in part to the many energy efficiency projects implemented at key municipal facilities. Other notable news and accomplishments from the last quarter of FY2014 include:

1. Porsche Panamera Test Drives and Electric Charging Demonstration

In collaboration with the Town Energy Office, Porsche will be conducting a public electric charging demonstration of the Panamera S E-Hybrid on **Thursday, August 14th** from **3pm – 3:15pm** at Hangar #2 located on Airport Road. Immediately following, there will be a driving demonstration at the Nantucket VFW Post, located at 22 New South Road, from **3:30pm to 5pm**. Public test drives will be available on a first come basis for the Panamera S E-Hybrid and the Cayenne S Hybrid, lasting approximately 5 minutes per vehicle. The event is free and open to the public.

2. Energy Update at Nantucket Community Association Summer Forum

July 28, 2014: Lauren Sinatra joined Libby Gibson and members of the Board of Selectman to present an "Energy Update," detailing an energy work plan for FY2015, Nantucket's Peak Load Situation, and easy ways for residents and businesses to save energy, save money, and make a difference.

3. Free Unlimited, LEDs for Residents!

July 28, 2014: The Energy Office helped to publicize and coordinate the first summer season "Mass Save Week" when **over 80** Nantucket households received a free home energy assessment. This makes a total of **589** energy audits provided on Nantucket since the first designated Mass Save week in January 2012-- or a 600% increase in participation! As a special incentive, residents are now provided with free, unlimited LED lights for their entire homes at the time of their assessments. Appointments for the next Mass Save Week in October are already filling up. Sign-up online: ACKenergy.org.

4. Wind Turbine Update:

In FY2014 the 100kW Wind Turbine at the Nantucket High School generated 153 Megawatt hours, approximately \$23,000 in avoided electricity costs, and an extra \$10,353 received in "Renewable Energy Certificate" sales. This calculates to ~\$93/day to the school.

5. Free LED Replacement Program for Town Buildings

July 1, 2014: The Town of Nantucket Energy Office secured 1032 (FREE) LED and High Efficiency Fluorescent Tube lights for use in nearly a dozen of the Town's smaller facilities through the Massachusetts DOER "Leading By Example: LED Replacement Bulb Project."

These new, cutting edge lights are valued at nearly \$11,000 and will save the Town approximately 70,500kWh and \$10,500 in energy costs per year!

6. Nantucket receives “Energy Manager” Grant

May 1, 2014: Nantucket is named as an award recipient of a \$50,000 grant from the Massachusetts Department of Energy Resources to help fund the Energy Office for fiscal years 2015 and 2016. The funding will help to perpetuate the efforts of the Energy Office on a more permanent basis.

7. Governor Deval Patrick attends commencement celebration as Nantucket Memorial Airport is poised to become the first carbon neutral airport in the country!

June 27, 2014: Last year, the Nantucket Energy Office helped the Nantucket Memorial Airport to prepare a winning application to become the country’s first carbon-neutral airport, an initiative of the Massachusetts Department of Transportation. Last month, Gov. Deval Patrick visited Nantucket to launch the project implementation phase, when Honeywell was officially identified as the vendor to implement over 25 innovative energy measures at the airport, including a 1.8 MW Solar Array on airport property on Bunker Road. The award also brings in over \$800,000 in technical assistance to support the Town and Airport in this ambitious initiative.

8. Municipal Facility Audits. In May, lighting upgrade projects were undergone at the Fire Station, the Surfside Wastewater Treatment Plant, and the Siasconset Wastewater Treatment Facility, all with rapid payback periods. The Town has now completed lighting upgrades at all of its top 20 energy-consuming facilities. Next steps will include arranging mechanical system audits of the High School and the Surfside and Siasconset Wastewater Treatment Plants, as well as an evaluation of energy efficiency heating system replacements or retrofits at Our Island Home, the PLUS Offices, and Town Hall.

9. Energy Office teaches 3rd graders about energy as part of “Enrichment Cluster Program”:



Earlier this year, Lauren Sinatra (Town Energy Coordinator) and volunteer Jack Weinhold led a group of six 3rd graders in an enrichment cluster at the Elementary School. Activities included energy games and hands-on experiments to explore how students, parents and teachers can reduce energy at home, work, and school.