

## ENERGY REDUCTION ROADMAP: Reducing Energy at the Top Energy Consuming Municipal Facilities\*

Electricity data provided by National Grid, and supplemented by data from online accounts

\* Does not include lift stations, water pumps, electric panels or streetlights

#	KWh FY 2012	% OF TOTAL	DESCRIPTION	ENERGY EFFICIENCY MEASURES	EE Project Status
1	2368800	19.8%	Surfside Wastewater Treatment Plant	Energy Audit & Scoping Study completed (2011). National Grid working with Town Consultants Woodard & Curran on implementation measures based on CWMP. Lighting upgrade scheduled for late winter 2014.	In progress
2	1753800	14.6%	Landfill Composter Building	Comprehensive Energy Audit completed in May-2012. Lighting upgrade project began on 10/09/12 and completed on 12/11/12. Estimated annual savings= \$16,113.87; Annual Cost Reduction= 53.71%.	Completed
3	1517778	12.7%	Nantucket High School	Energy Audit completed on December-15-2012. Estimated annual savings= \$20,317; Annual Cost Reduction= 40%. Lighting (interior & exterior lights) upgrade completed in December 2013.	Pursue "comprehensive audit" to address HVAC and weatherization opportunities
4	1445760	12.1%	Nantucket Memorial Airport (Terminal)	Lighting & "non-lighting" audit completed on December 19, 2012. Airport Commission executes contract for work on 1/16/13. Estimated annual savings: \$24,275.04; Annual Cost Reduction: 54.68%. Lighting upgrade project completed in March 2013. November-2013: Airport undergoes comprehensive "plug & play audit" of vampire electric loads.	Completed
5	767600	6.4%	Public Safety Facility - 4 Fairgrounds Road	Post commissioning study revealed the ground source heat-pump to be functioning optimally.	Completed
6	443520	3.7%	Nantucket Elementary School	Lighting audit completed on 10/23/12, non-lighting EE audit completed on 12/19/12. Lighting (interior & exterior lights) contract signed March-18-2013, project to take place in Summer 2013.	Completed
7	414160	3.5%	Our Island Home, 142 Orange St ET	Lighting audit completed on 4/28/11. Recommendations installed. Estimated annual savings (electric) = \$3,665.24; payback period 13 months. January 2014: Energy Office pursuing heating oil burner efficiency improvements.	Burner Booster installation to reduce oil consumption 15-20% per year.
8	372480	3.1%	Airport "Rescue & Fire Building"	Energy Audit completed on 12/19/12; lighting project completed in March 2013. LED replacement bulbs in Main terminal installed in April 2013. November-2013: Airport undergoes comprehensive "plug & play audit" of vampire electric loads.	Completed
9	365040	3.0%	Siasconset Wastewater Treatment Plant	Town is moving forward with two non-lighting energy efficiency measures from prior scoping studies; with overall use as part of CWMP report. Lighting upgrade project to be completed by the spring of 2014.	In progress
10	261241	2.2%	Wannacomet Water Co. (Plant)	Lighting Project completed on 10/06/10. All pumps and mechanics are highly efficient. No further opportunities for non-lighting efficiency savings according to Bob Gardner (10/23/12 meeting with Energy Analyst). Received LED replacement bulbs in March 2013.	Completed
11	231280	1.9%	Materials Recycling Facility (Landfill)	Energy Audit completed in May-2012. Project Installation began on 10/09/12 and completed on 12/11/12. Estimated annual savings= \$16,113.87; Annual Cost Reduction= 53.71%.	Completed
12	211520	1.8%	Planning & Land Use - 2 Fairgrounds Road	LED replacement bulbs installed in April 2013. Undergoing new heating system evaluation.	Completed
13	167040	1.4%	Nantucket Town Building, 16 Broad St	LED replacement bulbs installed in March 2013. Undergoing new heating system evaluation.	Completed
14	92400	0.8%	DPW Compound, 188 Madaket Rd	LED replacement bulbs installed in April 2013.	Completed
15	70365	0.59%	Nantucket Memorial Airport, 30 Macy's Ln FAA	LED replacement bulbs installed in April 2013.	Completed
16	69557	0.58%	Nantucket Fire Dept, 135 Pleasant St	LED replacement bulbs installed in April 2013. Lighting upgrade project to be completed by spring 2014.	Completed
17	42360	0.35%	Town of Nantucket, 37 Washington St	LED replacement bulbs installed in April 2013.	Completed
18	28953	0.24%	NRTA- Nantucket Regional Transit Authority; 11 Bunker Rd	Involved in Carbon Neutral Airport Program. New light	In progress
19	28336	0.24%	LORAN BLDG, 56 Low Beach Rd	LED replacement bulbs installed in April 2013.	In progress
20	27058	0.23%	Saltmarsh Senior Center, 81 Washington	Energy Audit completed on 12/15/12. Lighting upgrades completed in February 2013. Annual Savings: \$1,456.80	Completed
<b>SUBTOTAL</b>		<b>10,679,048</b>	<b>89.1%</b>		
All other Town meters (21-77):		<b>1,299,649</b>	<b>10.9%</b>		
Town Total Electricity Consumption:		<b>11,978,697</b>	<b>100%</b>		