

Appendix G: Energy Conservation Measures in Town Buildings

Measure		Status	Energy Data			Financial Data	Reference Data	
Category/Building	Energy Conservation Measure	Status (Completed with month/year or planned Qtr/year)	Projected Annual Electricity Savings (kWh)	Projected Annual Natural Gas Savings (therms)	Projected Annual Gasoline Savings (gallons)	Projected Annual Cost Savings (\$)	Funding Source(s) for Net Costs	Source for Projected Savings
Elementary School (Hardy School)	Installation of Energy Management System	Jun-11	20,018	2,270		\$3,561	N/A	Energy Working Group Analysis
High School (Arlington High School)	Replacement of Steam Traps	Mar-11		17,680		\$1,857	N/A	Energy Working Group Analysis
High School (Arlington High School)	Boiler Replacement	Nov-10		66,860		\$7,024	EECBG and Town Capital	Energy Working Group Analysis
High School (Arlington High School)	Motion Light Sensor Installation	Jan-11	63,473			\$10,561	Town Capital Plan	NStar
Elementary School (Hardy School)	Variable Speed Drive Installation	Jun-11	32,540			\$5,402	School Facilities Budget	Johnson Controls
Elementary School (Stratton School)	Boiler Replacement	Jul-11		3,000		\$315	Town Capital Plan	Energy Working Group Analysis

Measure		Status	Energy Data			Financial Data	Reference Data	
Rental Property (Parmenter School)	Boiler Replacement	Jun-13		160		\$17	Town Capital Request	Energy Working Group Analysis
Various School & Library Buildings	Variable Speed Drive Installation	Mar-13	151,162			\$24,186		NSTAR//AECOM
High School (Arlington High School)-Added	Sixth Floor HVAC Project	Jun-13	290,000			\$48,140		
Rental Property (Gibbs School)	Stream Traps	Jun-12		23,760		\$2,496	Town Capital Plan	Energy Working Group Analysis
BUILDINGS SUBTOTAL			557,193	113,730	0	\$103,559		
Street Lights	LED Street Lights	Dec-11	207,123			\$34,382	Town Capital Plan	Energy Working Group Analysis
Street Lights - Updated	LED Street Lights	Nov-13	496,230			\$82,374	Town Capital Plan	Energy Working Group Analysis

Measure	Status	Energy Data			Financial Data	Reference Data	
STREET AND TRAFFIC LIGHTS SUBTOTAL		703,353	0	0	\$0		
WATER/SEWER/PUMPING SUBTOTAL		0	0	0	\$0		
Town Wide Purchase of Fuel Efficient Vehicles	Ongoing			13,704	\$41,112	Town Capital Plan	Energy Working Group
VEHICLES SUBTOTAL		0	0	13,704	\$41,112		
TOTAL Projected Savings		1,260,546	113,730	13,704	\$144,671		
TOTAL MMBtu SAVINGS	17,373.28	4,300.98	11,373.00	1,699.30			

