



**CENTRAL VERMONT  
MEDICAL CENTER**

## Central Vermont Medical Center - Energy Action Plan (2014)

**Purpose:** To reduce operational cost savings, improve building comfort & performance, improve the patient care experience, and reduce our environmental impact through becoming the first Vermont hospital to achieve Energy Star designation.

**Current:** Annual energy costs (baseline): \$ 1,800,000

\$ 1,800,000

Annual energy use per square-foot: 231 kBtu

**Goals:** Reduce energy costs by 15%:

\$ 270,000

Reduce energy use per sq-ft by 13%: 200 kBtu

Signed:   
Richard Morley, VP Support Services

**Team:** Leo Martineau, Richard Morley, Nicole Duncan, Greg Liebert (LEI), Chris Vintinner (CTI), Maribella Ibarra (EVT), Tim Perrin (EVT)

Signed: 

Timothy Perrin, Senior Account Manager

**Efficiency Vermont**

Action Plan				Completed Efforts - 2012-13										
	Lead	Impact	Project Description	Date	Proj. Costs	Incentives	Annual Savings	kWh Reduce	Oil (gallons)					
1. Optimize end-use HVAC system, components, and controls	G.Liebert	\$ 23,725	Central Sterilizer - Air-handling Unit	Jun12	\$ 44,195	\$ 2,200	\$ 3,421	29,003	87					
		200000 kWh	LED Parking Lot Lighting	Aug12	\$ 37,030	\$ 11,000	\$ 5,978	45,242						
		500 gal oil	Heat Recovery Heat Pump	Aug12	\$ 470,000	\$ 50,000	\$ 175,395		71,246					
			Boiler Controls - Variable-speed	Nov12	\$ 33,976	\$ 3,600	\$ 16,031	35,531	3,667					
			Backup Server Room - Efficient HVAC	Sep13	\$ 13,492	\$ 2,500	\$ 1,944	20,468						
			Air-handling Unit #8	Oct13	\$ 4,205	\$ 2,000	\$ 1,094	12,151						
			Grundfos Variable-speed Pump	Oct13	\$ 2,400	\$ 2,400	\$ 982	8,465						
			HVAC Controls - Air-side Systems	Nov13	\$ 118,680	\$ 28,340	\$ 91,456	521,731	12,804					
Totals:				\$ 723,978	\$ 102,040	\$ 296,301	672,591	87,804						
Results & Energy Star Impacts														