

Energy Conservation Initiative (ECI) Project Summary

Vet Education Center, Facility 1163

What We Did: We replaced and upgraded controls on both the central air handling systems and the occupied spaces throughout the building.

What It Cost: \$145,000

How Long It Took: 8 months. Completed April 2014.

What We Saved: \$21,000 and 55 tons/per year carbon equivalent annually.

Benefits: The controls in VEC were a mixture of digital control generations and were poorly coordinated and difficult to maintain. The project allows the use

of strategies that reduce energy usage and improve reliability, while making maintenance easier and faster when problems arise.

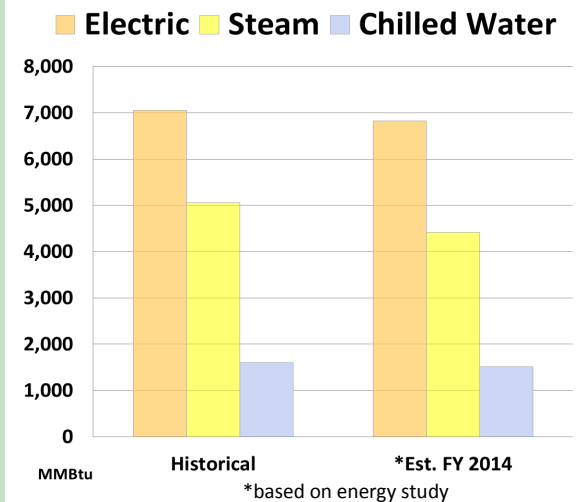
The ECI project at VEC was important because it brought all of the controls to a new common, highly functional and reliable level, while reducing energy use and maintenance costs.

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Vet Education Center



Vet Education Center
Total Energy Use - Pre & Post ECI



Vet Education Center: ECI Savings Table

Utility	Historical Energy Use (MMBtu)	*Est. FY 2014 Energy Use (MMBtu)	Energy Savings (MMBtu)	% REDUCTION	Historical (billed rates)	*Est. FY 2014 Cost (billed)	Annual Savings \$	Equivalent # Homes
Electric	7,100	6,800	300	4%	\$145,000	\$140,000	\$5,000	8
Steam	5,100	4,400	700	14%	\$114,300	\$100,000	\$15,000	10
Chilled Water	1,600	1,500	100	6%	\$29,400	\$28,000	\$2,000	2
Totals	13,800	12,700	1,100	8%	\$288,700	\$268,000	\$22,000	20



Energy use based on project scope
Equivalent # Homes Savings based on average home use: 40 MMBtu Electric • 90 MMBtu Heat • 50 MMBtu Cooling

