

Energy Conservation Initiative (ECI) Project Summary

Rockefeller Hall Window Weatherization, Facility 2014

What We Did: Rockefeller hall, built in 1904, still has many of its original windows. Over time the ability of the windows to stop outside air leaking into the building has decreased. During the winter months infiltration through the windows caused many comfort issues. Our project installed weather stripping and other window improvements to refurbish over 270 historic windows.

What It Cost: \$80,000

How Long It Took: 6 months. Completed February 2011.

What We Saved: \$11,700 and 20 tons/per year carbon equivalent annually.

Benefits: The project increased occupant comfort and decreased use of space heaters.

The weatherization project has made our building much less drafty. Occupants are much more comfortable with the project completed.

**Vincent Kotmel ,
Building Manager
Rockefeller Hall**

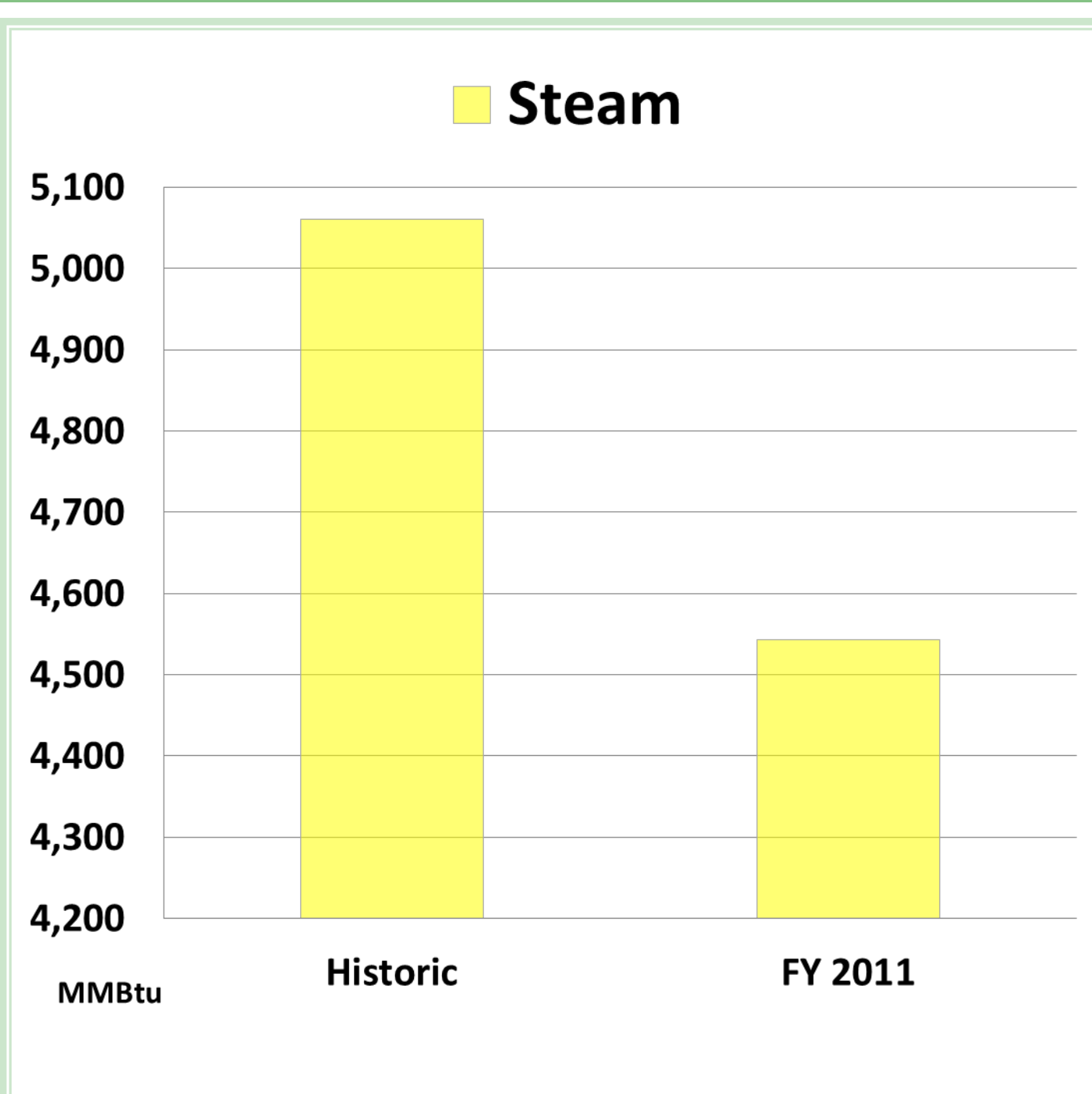
Rockefeller Hall Window Weatherization



[Map](#)

[Utilities Costs and Use](#)

Rockefeller Hall Window Weatherization
Total Energy Use
Pre & Post ECI



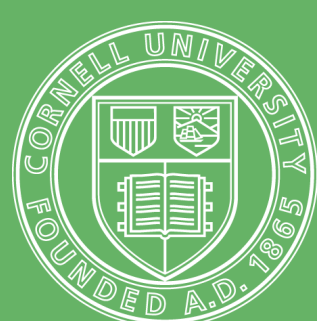
Rockefeller Hall Window Weatherization: ECI Savings Table

Utility	Historical Energy Use (MMBtu)	2011 Energy Use (MMBtu)	Energy Savings (MMBtu)	% REDUCTION	Historical Cost (billed rates)	FY 2011 Cost (billed)	Annual Savings \$	Equivalent # Homes
Electric								N/A
Steam	5,060	4,543	517	10%	114,000	103,000	12,000	6
Chilled Water								N/A
Totals	5,060	4,543	517	10%	114,000	103,000	12,000	6



Energy use based on project scope

Equivalent # Homes Savings based on average home use: 40 MMBtu Electric ▪ 90 MMBtu Heat ▪ 50 MMBtu Cooling



Cornell University

Energy and Sustainability
energyandsustainability.fs.cornell.edu

9/2013

