

Energy Conservation Initiative (ECI) Project Summary

Lynah Rink Conservation Project, Facility 2613

What We Did: The building controls that serve the team locker rooms and administrative spaces were upgraded, along with complete recommissioning of all building energy system controls. New variable air volume boxes were installed to better match the supply and exhaust requirements of the building occupants. Motion sensors were installed to control lighting systems and to minimize outdoor air during unoccupied periods.

What It Cost: \$160,000

How Long It Took: 6 months. Completed November 2012.

What We Saved: \$48,000

Benefits: The new controls and recommissioning ensure indoor air temperature and quality through proper use of outside air, reheat energy, and space pressurization. People in the spaces are more comfortable and energy use is decreased.

The energy conservation project fixed a number of problems from original construction that caused both comfort issues and high energy usage. We really appreciate the support to make our energy systems more efficient.

Pat Graham,
Facility Manager
Athletics and Physical Education

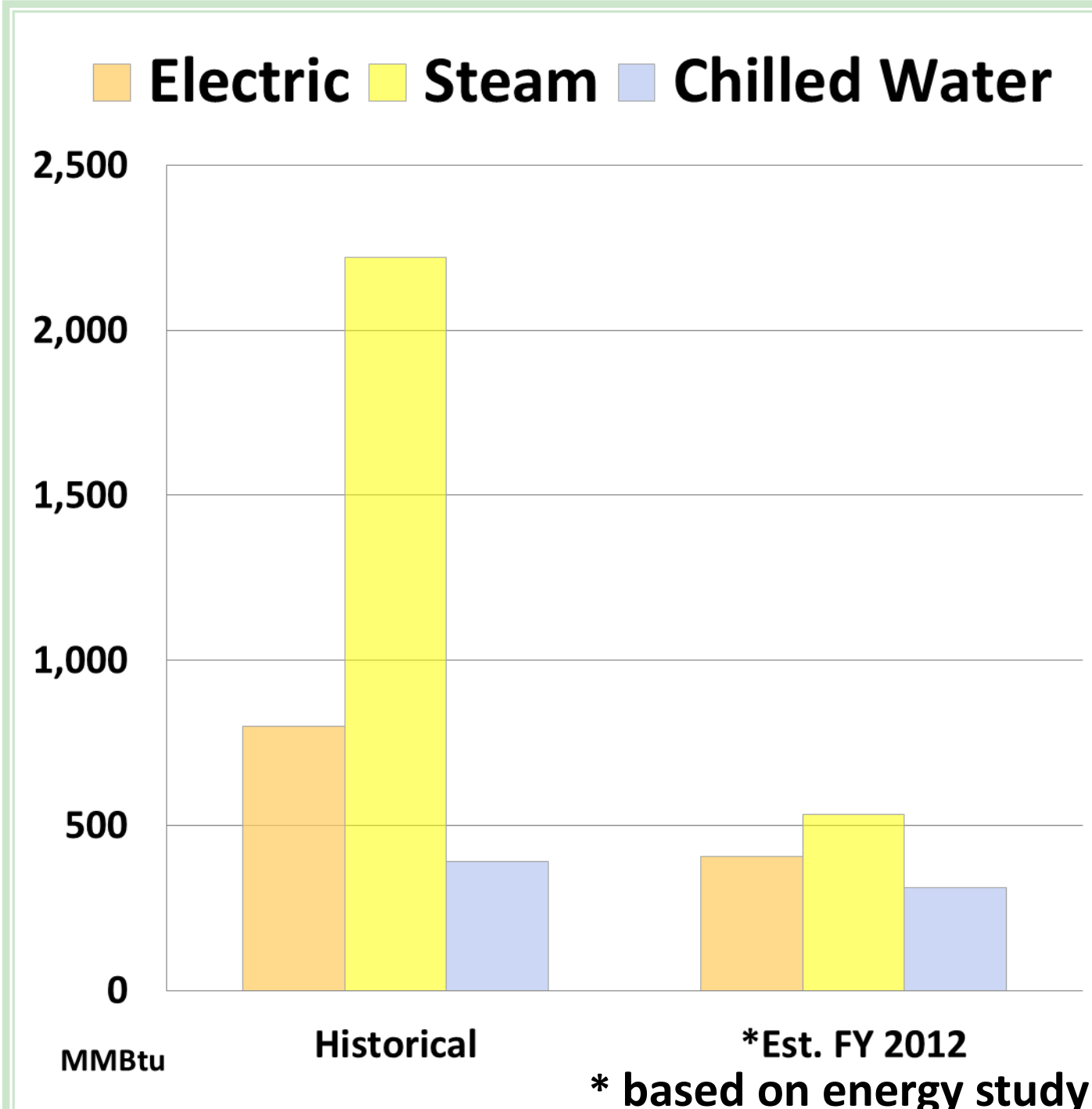
Lynah Rink



[Map](#)

[Lynah Rink Utilities Costs and Use](#)

Lynah Rink: Office & Locker Room Energy Use Pre & Post ECI



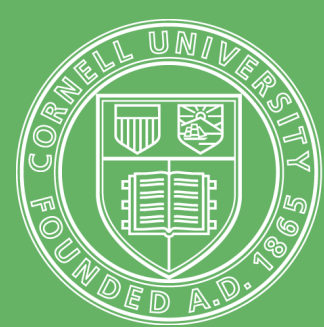
Lynah Rink: ECI Savings Table

Utility	Historical Energy Use (MMBtu)	Est. FY 2012 Energy Use (MMBtu)	Energy Savings (MMBtu)	% REDUCTION	Historical Cost (billed rates)	Est. FY 2012 Cost (billed)	Savings \$	Equivalent # Homes
Electric	801	407	394	49%	\$16,000	\$8,000	\$8,000	10
Steam	2,220	532	1,688	76%	\$50,000	\$12,000	\$38,000	19
Chilled Water	390	313	77	20%	\$7,000	\$6,000	\$1,000	N/A
Totals	3,411	1,252	2,159	63%	\$74,000	\$26,000	\$48,000	30

Energy use based on project scope in the office and locker room areas



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



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