VET MED ENERGY EFFICIENCY

COMMUNICATIONS BULLETIN

FOR MORE INFORMATION:

On behalf of the campus Facilities and Services team and Energy Systems Group (ESG), we would like to thank the students, staff and faculty at the Veterinary Medicine Complex for their patience, collaboration and engagement throughout the implementation of the Vet Med energy efficiency and building modernization project.

For a summary of the energy efficiency and building improvements implemented, please visit: **www.energymanagement.illinois.edu/energyinitiatives_accomplishments.cfm** or **www.energysystemsgroup.com/vetmed**

Thank you,
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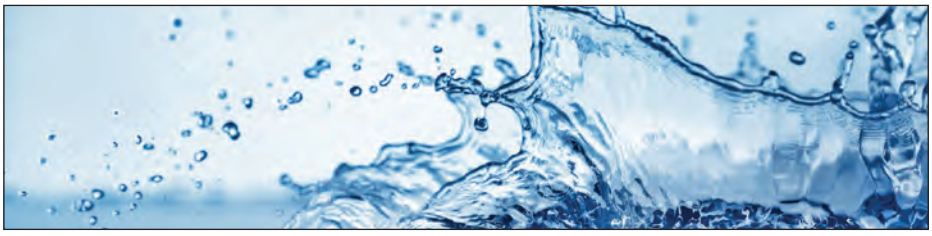
ENERGY CONSERVATION MEASURE (ECM) SPOTLIGHT
WATER CONSERVATION

Refrigeration Equipment—Tie-in to Heat Recovery Loop

This measure consisted of connecting refrigeration equipment to an existing heat recovery loop to eliminate the consumption of city water. Twenty-seven refrigeration condensing units serve process load at the Basic Science Building. These units use city water in a single-pass configuration for cooling.

The refrigeration condensing units were connected to the building's heat recovery loop to virtually eliminate city water use.

City water will provide back-up cooling in the event that the heat recovery loop is unavailable. DDC controls were added to monitor the temperature and flow of the cooling water supplied to the refrigeration condensing unit. The controls allow the pump to vary flow based on temperatures thereby maximizing efficiencies.



ESG ENERGY SYSTEMS GROUP

ESG in Partnership with the University of Illinois
Efficiently Delivering Green Energy at the Vet Med Complex

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