



Creighton Saves over \$2.7M in Energy Projects

The Office of Sustainability Programs would like to highlight Creighton's efforts to care for creation by improving our infrastructure. Within Facilities Management, the Energy Management Team has implemented several energy-saving projects across campus. Since 2014, Creighton's Energy Management Team has collaborated with Verdis Group, Optimized Systems, and OPPD and has dedicated funding to 10 different projects with the goal of energy conservation and cost reduction. These projects are expected to save Creighton \$1.5M annually, based on tracking trends of steam/chilled water and electricity utilization from 2014 to 2017. The average return on investment for the projects is 2.6 years. Energy Team projects responsible for conserving resources are:

- Optimizing our campus-wide energy management systems;
- Removing existing fluorescent lights and installing LED lighting in three parking garages and two buildings;
- Retro-commissioning Harper Center to optimize energy usage for the Building Automation System and the HVAC system;
- Insulating piping and other mechanical equipment to reduce heat energy loss;
- Upgrading 40 science labs in Rigge to better manage the loss of conditioned air;
- Retro-commissioning, repairing deficiencies, and evaluating building operations and energy performance across 11 different buildings to identify energy efficiency opportunities;
- Implementing a Peak Energy Savings Program to reduce electricity demand and to create a culture of energy conservation at Creighton;
- Replacing 11 bio-safety cabinets (BSC) with zero-exhaust BSCs;
- Replacing existing valves to better control flow of chilled water and;
- Recommissioning Champion Center's HVAC and Building Controls.

To learn more about sustainability and energy at Creighton, check out:

<http://www.creighton.edu/sustainability/campus/energy/>

More information about Facilities Management can be found here:

<https://www.creighton.edu/admin/facilities/>