
Photo by Kerry Helms of the Vet Med Prairie

VET MED ENERGY EFFICIENCY

COMMUNICATIONS BULLETIN – JANUARY 2011

Communications Bulletin

This is a monthly e-bulletin that will feature news on the Vet Med Energy Efficiency Initiative. A project website is in development and will serve as an interactive communications platform regarding the implementation of this project.

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Vet Med Goes Green as First Campus Site for Innovative Energy Efficiency Partnership

The Veterinary Medicine Complex will undergo a transformation over the next 18 months as part of an innovative partnership between campus Facilities and Services (F&S) and Energy Systems Group (ESG), a leading energy services company (ESCO) contracted to develop and implement a comprehensive energy-savings performance project.

The Vet Med ESCO project will achieve energy and cost savings by improving energy infrastructure and technology and by modernizing facilities. The changes will improve our facilities, benefit the campus bottom line, and make us more earth-friendly.

Once the project is completed, energy consumption at Vet Med is projected to drop by nearly 40%, and our carbon footprint will be reduced by more than 17 million pounds of carbon dioxide. This is equivalent to one of the following annual environmental benefits:

- Reduction of emissions equivalent to removing approximately 1,432 vehicles from the road
- Planting about 2,144 acres of forest

We are proud to be campus leaders in energy conservation. Look for more news about how and when this project will affect the facilities you use.

CONSTRUCTION UPDATES

Lighting Retrofits

- Jan. 10-14: Lecture halls 2251, 2258, 2743, 2271C
- Work in large lecture halls and the library targeted before next semester

ENERGY CONSERVATION MEASURE (ECM) SPOTLIGHT
LIGHTING & OCCUPANCY SENSORS

Lighting
ESG performed a lighting audit of all the buildings at the Vet Med Complex with the goal to improve lighting quality and controls while reducing energy and operational costs. ESG will replace incandescent lamps and old exit signs with energy efficient compact fluorescent lamps and fixtures and new light emitting diode (LED) signs in the following buildings:

Basic Sciences Building (BSB), Large Animal Clinic (LAC), Small Animal Clinic (SAC), Clinical Skills Learning Center (CSLC) and the Chiller Plant.

Occupancy Sensors
ESG will also be installing occupancy sensors for select areas such as offices, classrooms and larger restrooms. Occupancy sensors can reduce lighting load requirements from 10-50% depending on the occupancy rate. Small offices will typically be controlled by light switch mounted sensors while larger rooms will have ceiling mounted multi-technology sensors tied into existing lighting circuits. Benefits include significant energy savings and reduced maintenance.