



# VET MED ENERGY EFFICIENCY

COMMUNICATIONS BULLETIN – JULY 2011

## CONSTRUCTION UPDATES

### 100% Completed

- Lighting and Occupancy Sensors
- Duct Cleaning
- Chiller Plant Cooling Tower

### Upcoming

- BSB, SAC, LAC, CSLC: replacing doors and related accessories; in progress; estimated completion end of August 2011
- LAC Displacement Ventilation: in progress; estimated completion date September 2011
- Roof replacement: LAC and SAC is complete, CSLC in progress, Chiller Plant will follow & All metal caps to be installed after completion of Chiller Plant. Overall work is 70% complete

### Building Key

- Basic Sciences Building (BSB)
- Large Animal Clinic (LAC)
- Small Animal Clinic (SAC)
- Clinical Skills Learning Center (CSLC)

For more information, please contact:

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## ENERGY CONSERVATION MEASURE (ECM) SPOTLIGHT INSULATION

A comprehensive energy audit of the Vet Med Complex buildings identified that some of the energy in the University's steam distribution system is wasted through radiant thermal energy loss due to un-insulated and deteriorating sections of steam and condensate piping. The F&S and ESG team will insulate these sections of piping in order to minimize thermal energy loss and maximize energy efficiency.

### How will the ESG and F&S Team insulate the piping?

New fiberglass pipe insulation will be installed on the steam, condensate piping and steam valves. In addition, an aluminum jacket will be installed on the lines between

air handling units to protect the insulation. The insulation thickness will be according to the University's specifications for steam and condensate piping.

### What is fiberglass pipe insulation?

Fiberglass pipe insulation is made from high quality fiberglass fibers bonded together with a thermosetting resin. It is a lightweight, one-piece, cylindrical product that offers excellent resistance to heat loss or gain, which saves energy and lowers operating costs.



New Cooling Tower on Chiller Plant Roof



Welding Pipe for New Cooling Tower



Fan Motor and Fan from Inside New Cooling Tower