



VET MED ENERGY EFFICIENCY

COMMUNICATIONS BULLETIN – JULY 2012

CONSTRUCTION UPDATES

The Vet Med ESCO Project is approximately 80% complete. The following is an update on various retrofits and improvements:

100% Completed

- Lighting and Occupancy Sensors
- Sterilizing – Condensate Tempering Kits (Water Conservation)
- Steam Trap Replacement
- Cleaning of heat recovery and chilled water coils
- LAC and SAC Ventilation Duct Cleaning
- Replacing/refurbishing doors in BSB, SAC, LAC, and CSLC

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 FUME HOOD REPLACEMENT

Operating the Basic Science Building (BSB) effectively requires proper ventilation and large amounts of outside air brought in for lab areas. The fume hood system allows faculty and students to conduct experiments by exhausting fumes, vapors and dusts.

The Vet Med ESCO is working to achieve a balance between the need for fume hood functionality, throughout BSB, and improved technology allowing this system to become more energy efficient by converting to variable air volume (VAV).

Fume hoods are historically large energy users because when left open conditioned air flows out of buildings. The updated systems installed by the Vet Med ESCO, 62 retrofitted fume hoods, will reduce energy consumption and provide future cost savings by minimizing the loss of conditioned air. Also, approximately 25 existing VAV boxes were

relocated to allow for room control actuators and further optimized performance. Twelve new VAV boxes will be added to the system to provide increased energy savings.

The Vet Med ESCO will provide additional upgrades to the fume hood system. Currently, most of the fume hoods are individually exhausted with a dedicated fan and sometimes one fan works with multiple fume hoods. To improve performance, these exhaust fans will be replaced with a centralized high plume exhaust fan system that provides greater exhaust capacity.

As with all installations under the Vet Med energy efficiency project, work will be conducted in a manner that ensures minimal inconvenience to students, faculty and staff.



Fume Hood under construction



Phoenix Air Valve in overhead of BSB lab room