



SOUTHERN ILLINOIS UNIVERSITY

November 26, 2013

Senator Chapin Rose
Commission on Government Forecasting and Accountability
703 Stratton Office Building
Springfield, IL. 62706

Dear Senator Rose:

During our recent appearance before the Commission regarding the sale of Certificates of Participation (COPs) to finance various campus improvement projects, you had a question regarding potential energy savings of those projects. In response to your question, Dr. Duane Stucky our Senior Vice President for Financial and Administrative Affairs directed his staff to provide the attached list of projects that will generate energy savings.

If you have any other questions, please do not hesitate to contact our office.

Sincerely,

A handwritten signature in black ink that reads "John Charles". The signature is written in a cursive, flowing style.

John Charles
Director for Governmental and Public Affairs

Office of the President, Stone Center - Mail Code 6801, 1400 Douglas Drive, Carbondale, Illinois 62901

FY14 FMF COPS Projects Energy Savings Estimates

11/25/2013

Location	Project Description	Budget	Useful Life	Energy Savings Description	Annual Energy Savings Estimate	Present Value of Energy Savings*	PV% of Budget
Pulliam Hall	Replace windows and roof in renovated Phys. Ed. building	\$ 1,250,000	30	Reduce heat transfer through roof and windows	\$9,999	\$ 409,772	33%
Parkinson Lab	Replace HVAC	\$ 4,300,000	30	Reduce heating and cooling use with new controls	\$28,707	\$ 1,176,443	27%
Faner Hall	Replace HVAC	\$ 2,200,000	30	Reduce heating and cooling use with new controls	\$21,726	\$ 890,357	40%
Neckers Building	Replace HVAC	\$ 1,500,000	30	Reduce heating and cooling use with new controls	\$10,228	\$ 419,169	28%
Woody Hall	Renovation of MEP	\$ 5,000,000	30	Reduce heating and cooling use with new controls	\$31,032	\$ 1,271,724	25%
Various	Replace roofs at 5 buildings	\$ 2,000,000	30	Reduce heat transfer through roof	\$23,702	\$ 971,329	49%
Campus Lighting	Replace roadway lighting on Lincoln Dr.	\$ 1,000,000	30	Improve lighting efficacy with LED versus existing HID lamps and fixtures	\$3,555	\$ 145,705	15%
Lawson Hall	Replace windows and doors	\$ 1,000,000	30	Reduce heat transfer through windows	\$5,354	\$ 219,425	22%
Electrical System	Replace feeders and add 12.5kV substation transformer	\$ 5,000,000	30	Reduce system losses by raising voltage	\$101,631	\$ 4,164,887	83%
Total		\$ 23,250,000			\$235,936	\$ 9,668,813	42%

* Note: Present Value calculations assume fixed rates of 5% annual energy rate escalation and 3% annual inflation.