

April 30, 2010

Members of the Board Architecture and Design Committee

John Simmons, Chair
Ed Hightower
Amber Suggs
Marquita Wiley

Dear Members of the Architecture and Design Committee:

There will be a meeting of the Architecture and Design Committee on Thursday, May 13, 2010, immediately following the Finance Committee in Roller Hall (Room 1511) in the Main Clinic Building (Building 263) at the Southern Illinois University School of Dental Medicine, Alton, IL. The following items have been suggested for the agenda:

1. Approval of Minutes of the April 8, 2010, meeting (enclosure).
2. Project and Budget Approval: Farm Service Center, Carbondale Campus, SIUC (Board Agenda Item BB).
3. Project and Budget Approval: Peck Hall Renovation, SIUE (Board Agenda Item CC).
4. Operating and Capital RAMP Guidelines for Fiscal Year 2012 (Board Agenda Item EE) (Joint discussion with Finance Committee).
5. Other business.

Enclosed is an information item on the Coal Boiler #2 Retrofit and Turbine Study at SIUC.

Yours truly,

Duane Stucky
Senior Vice President for Financial and Administrative Affairs
and Board Treasurer

DS/lap

Enclosures

cc: Frank William Bonan II Stephen Wigginton Vaughn Vandegriff
Nate Brown Glenn Poshard Constituency Heads
Keith Sanders Sam Goldman Other Interested Parties
Roger Tedrick

BOARD OF TRUSTEES

SOUTHERN ILLINOIS UNIVERSITY

Minutes of the Architecture and Design Committee Meeting

April 8, 2010

The Architecture and Design Committee met following the Audit Committee in the Conference Center of the Delyte W. Morris University Center, Southern Illinois University Edwardsville, Edwardsville, IL. Present were: John Simmons (Chair), Ed Hightower, Amber Suggs and Marquita Wiley. Other Board members present were: Frank William Bonan II, Nate Brown, Keith Sanders, Roger Tedrick and Steve Wigginton. Executive Officers present were: President Glenn Poshard; Chancellor Samuel Goldman, SIUC; Chancellor Vaughn Vandegrift, SIUE; Vice President for Academic Affairs Paul Sarvela; and Senior Vice President for Financial and Administrative Affairs and Board Treasurer Duane Stucky.

Minutes

Ed Hightower recommended approval of the minutes of the February 11, 2010, meeting as submitted. The motion was seconded by John Simmons and passed by the Committee.

FY 2011 Operating and Capital Budgets Planning Guidelines (Board Agenda Item DD) (Joint discussion with Finance Committee).

This matter was approved during the Finance Committee meeting.

Award of Contract: Feed Mill Repair, Carbondale Campus, SIUC (Board Agenda Item EE).

Award of Contract: Employee Parking Lot, Springfield Medical Campus, SIUC (Board Agenda Item FF).

Dr. Goldman reviewed the matters.

For Item FF, Ed Hightower recommended approval and that it be placed on the Board's omnibus motion. The motion was duly seconded by John Simmons and was passed by the Architecture and Design Committee.

Mr. Simmons stated that Item EE would move forward for Board consideration independent of the omnibus motion.

Approval for Renaming the SimmonsCooper Cancer Institute (Board Agenda Item GG).

John Simmons explained the request for renaming and recused himself from voting.

Marquita Wiley recommended approval and that it be placed on the Board's omnibus motion. The motion was duly seconded by Ed Hightower and was passed by the Architecture and Design Committee.

Planning Approval: Peck Hall Renovation, SIUE (Board Agenda Item II).

Project and Budget Approval: Vadalabene Center Intercollegiate Athletics Locker Rooms Renovation, SIUE (Board Agenda Item JJ).

Chancellor Vandegrift reviewed the requests. Cost estimates for Peck Hall Renovation will be provided to the Board when available.

Ed Hightower recommended approval and that they be placed on the Board's omnibus motion. The motion was duly seconded by Marquita Wiley and was passed by the Architecture and Design Committee.

Other Business

There being no other business, the meeting was adjourned.

DS/lap

INFORMATION:
COAL BOILER 2 RENOVATION,
CARBONDALE CAMPUS, SIUC

Summary

This item seeks to inform the Board of Trustees of a proposed renovation project to improve the operation efficiency of boiler 2 of the SIUC central steam plant. The University has partnered with Sterling Energy, LLC, on a research project to develop new technologies for operators of stoker boilers to switch from stoker grade coal to more cost effective Illinois run of mine coal. Sterling has requested grant funds through the Illinois Department of Commerce and Economic Opportunity's (DCEO) Office of Coal Development for the direct project costs.

Rationale

The Carbondale campus' central steam plant currently operates two coal-fired boilers (Nos. 2 and 3), a gas-fired boiler (No. 4, used for emergency and "load-swing" use only), and a circulating fluidized bed boiler (No. 5). The current condition of boiler 2 causes it to operate at 25% of available capacity and it is the best candidate for the proposed research project and renovation.

Since 2004, the SIU Steam Plant has participated in two research projects on boiler 2 that would allow older boilers to burn a less expensive grade of high-sulfur coal while reducing emission rates. The projects were expected to showcase new technologies that would bring existing state-operated facilities into compliance with EPA regulations plus increase the control of hazardous air pollutant emissions. To date, both research projects have not produced the desired outcomes.

The proposed scope of this project will automate the controls for the combustion air and the grate cooling water. The project will also evaluate and upgrade the oscillating grate where necessary, replace deficient boiler tubes, and install testing and monitoring equipment. The improvements will provide better control of the boiler and maximize boiler efficiency thereby lowering emissions. It is anticipated that the project will offer operators of other stoker boilers the technology that will allow them to use a cost effective lower grade of Illinois coal.

The total estimated cost of the project is approximately \$3,000,000. Grant funding has been requested through DCEO and the Illinois Coal Review Board. At this time, it is anticipated that no University funds will be used for the direct costs of the proposed research project and renovation of boiler 2. The University will provide the site and required technical assistance during this project.