





August 5, 2015

TO: Members of the Board of Trustees

FROM: Scott A. Jordan   
Executive Vice President for Administration and Chief Financial Officer

Mun Y. Choi   
Provost and Executive Vice President for Academic Affairs

RE: Project Budget for Heating Plant Upgrade – Emergency Power System Upgrade  
(Design: \$ 2,500,000)

RECOMMENDATION:

That the Board of Trustees approve the Design Budget of \$2,500,000 for the Heating Plant Upgrade – Emergency Power System Upgrade project for design and construction.

BACKGROUND:

The UCONN 2000 program enabled the introduction of a common centralized emergency power distribution system for major buildings on the main campus, and included the installation of two large emergency generators. This system allowed the replacement of an older network of individual emergency generators throughout the campus, and benefited the University through reduced environmental impact as well as reduced maintenance costs and higher operational reliability. Following its inception, a third generator originally installed for solely black-start capabilities, was added to this central system without loss of black-start capability.

The CUP emergency power system was constructed with the intent to supply emergency and standby power to core campus facilities. The CUP's current generation capacity is four (4) megawatts (MW) using three individual generators, and has provisions in place for a fourth generator. The purpose of this project is to design, install, and commission the forth +/- 1.5 megawatt unit and modify the controls to allow for synchronous operation of all four units. This additional unit will be necessary to supply required emergency standby power for the new Engineering and Science building.

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The Emergency Power System Upgrade project is currently in the Planning Phase. Planning began in Summer of 2014 and construction documents are nearing completion. It is anticipated that bid solicitation of the construction documents will follow this resolution, with a tentative start of construction in October 2015. A Final Budget Resolution will be provided to the Board of Trustees following solicitation of bids from pre-qualified contractors.

The Design Budget is based on the consultant who prepared a construction cost estimate of the construction documents.

The Design Budget is attached for your consideration and approval.

Attachment

## CAPITAL PROJECT BUDGET REPORTING FORM

**TYPE BUDGET: DESIGN**

**PROJECT NAME: HEATING PLANT UPGRADE - EMERGENCY POWER SYSTEM UPGRADE**

<u>BUDGETED EXPENDITURES</u>	<b>APPROVED PLANNING 9/2/2011 BY EVPACFO</b>	<b>APPROVED REVISED PLANNING 6/25/2014</b>	<b>PROPOSED DESIGN 8/5/2015</b>
CONSTRUCTION	\$ -	\$ 1,500,000	\$ 1,625,000
DESIGN SERVICES	55,000	125,000	200,000
TELECOMMUNICATIONS	-	-	-
FURNITURE, FIXTURES AND EQUIPMENT	-	-	-
CONSTRUCTION ADMINISTRATION	-	125,000	150,000
OTHER AE SERVICES (including Project Management)	5,000	75,000	235,000
ART	-	-	-
RELOCATION	-	-	-
ENVIRONMENTAL	-	20,000	-
INSURANCE AND LEGAL	-	10,000	5,000
MISCELLANEOUS	-	20,000	30,000
OTHER SOFT COSTS	5,000	20,000	-
<b>SUBTOTAL</b>	<b>\$ 65,000</b>	<b>\$ 1,895,000</b>	<b>\$ 2,245,000</b>
PROJECT CONTINGENCY	70,000	605,000	255,000
<b>TOTAL BUDGETED EXPENDITURES</b>	<b>\$ 135,000</b>	<b>\$ 2,500,000</b>	<b>\$ 2,500,000</b>
<b><u>SOURCE(S) OF FUNDING</u></b>			
UCONN 2000 PHASE III	\$ 135,000	\$ 2,500,000	\$ 2,500,000
<b>TOTAL BUDGETED FUNDING</b>	<b>\$ 135,000</b>	<b>\$ 2,500,000</b>	<b>\$ 2,500,000</b>