

Contact: Sheila Doyle

REGISTER OF UNIVERSITY OF IOWA
CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS

Actions Requested: Consider approval of:

1. Project description and budget for the **Power Plant – Combustion Turbine Generator** project (\$4,155,580).
2. Ratification of Executive Director emergency approval of the project description and budget for the **Replace Boiler Make-up Water System** project (\$4,033,196).

Executive Summary: The **Power Plant – Combustion Turbine Generator** project would install a combustion turbine-driven electric generator at the University Power Plant to provide emergency back-up electrical power for the Power Plant, Water Plant, and South Lindquist Center (which houses the University’s Information Technology Hub). The electrical generator would provide centralized emergency power, in lieu of individual diesel powered units. The generator would provide increased reliability, reduced greenhouse gas emissions, and back-up capabilities during times of electrical curtailment and peak shaving in the summer months. The generator would be installed to protect it from future flooding events.

The project budget of \$4,155,580 would be funded by Utility System Renewal and Improvement Funds.

The **Replace Boiler Make-up Water System** project received emergency approval from the Executive Director. The project will replace the make-up water system, which provides the necessary water treatment to ensure the proper operation and service life of the boilers and other critical components of the University Power Plant. This equipment was severely damaged by recent flood waters and must be replaced to restore the Power Plant operations as quickly as possible.

The project budget of \$4,033,196 will be funded by proceeds from the sale of Utility System Revenue Bonds.

Details of Projects:

Power Plant – Combustion Turbine Electric Generator

<u>Project Summary</u>			
	<u>Amount</u>	<u>Date</u>	<u>Board Action</u>
Permission to Proceed with Project Planning		June 2008	Approved
Project Description and Total Budget	\$ 4,155,580	Aug. 2008	Requested
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<u>Project Budget</u>			
Construction		\$ 3,560,116	
Planning and Design		239,779	
Contingencies		<u>355,685</u>	
TOTAL		<u>\$ 4,155,580</u>	
Source of Funds: Utility System Renewal and Improvement Funds			

Replace Boiler Make-up Water System

Project Summary

	<u>Amount</u>	<u>Date</u>	<u>Board Action</u>
Project Description and Total Budget	\$ 4,033,196	Aug. 2008	Requested

Project Budget

Construction	\$ 3,187,255
Planning and Design	527,510
Contingencies	<u>318,431</u>
TOTAL	<u>\$ 4,033,196</u>

Source of Funds: Utility System Revenue Bonds
