

Board Meeting  
May 21, 2009

ROLL CALL

INCREASE CONTRACT FOR EXPANSION, OAK STREET CHILLER PLANT AND  
DISTRIBUTION SYSTEM, URBANA

**Action:** Approve an Increase in a Contract for Expansion, Oak Street Chiller Plant and Distribution System, Urbana

**Funding:** Institutional Funds Operating Budget

On March 11, 2009, the Board approved the award of contracts for a project to provide the next increment of chilled water capacity at the Oak Street Chiller Plant to support the recently announced National Center for Supercomputing Applications (NCSA) Petascale Computing Facility. The project includes the installation of a Thermal Energy Storage (TES) tank, which shall be an above-ground, vertical, cylindrical, flat-bottom type tank of all-welded steel construction. The TES system includes foundations, tank erection, internal diffusers, painting, insulation, and hydrotesting. Also included is the extension of the Urbana campus main distribution chilled water, forced main piping, and electrical duct bank as well as the installation of a Pump House. Piping extension shall begin and extend to the Pump House with a First Street connection to existing piping and to the new NCSA Petascale Computing Facility. The Pump House shall be a pre-engineered metal building housing pumps, piping, and equipment necessary to control chilled water flow to/from the TES tank.

Among the contracts awarded at the March meeting, Caldwell Tanks, Inc., Louisville, Kentucky, was awarded the contract in the amount of \$3,133,700 for the TES tank work. Subsequently, it has been determined that an increase in the size of the TES tank originally bid will provide significant additional energy savings. The tank capacity will be increased from 42,700 ton hours to approximately 50,000 ton hours (17 percent increase), and the cost for the larger tank is an additional \$633,321.

Accordingly, the Chancellor at Urbana with the concurrence of the appropriate administrative officers recommends the construction contract with Caldwell Tanks, Inc., be increased to \$3,767,021 for the increased TES tank capacity and associated construction work.

The Board action recommended in this item complies in all material respects with applicable State and federal laws, University of Illinois *Statutes, The General Rules Concerning University Organization and Procedure*, and Board of Trustees policies and directives.

Funds for this construction are available from institutional funds operating budget.

The President of the University concurs.

(Construction began in March 2009, and is scheduled to be completed in September 2010.)