

THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION

ACTION REQUEST

Subject: University of Michigan Hospitals and Health Centers (UMHHC)
University Hospital (UH) Chiller Replacement

Action Requested: Approval to Proceed with Project

Background:

The infrastructure of University Hospital includes a system designed to chill water and distribute it to air handling units located at various points across the facility, with an objective to provide cool air to all occupied spaces. In addition, the facility has a thermal storage basin, which is used to store chilled water at night for use during daytime hours. The original construction of University Hospital in the mid-1980's included three chillers. A fourth chiller was added in 1991, providing a total of 3600 tons of actual cooling capacity for the University Hospital facility.


Cooling demands have continued to increase across the facility, most especially during the past decade when there has been increased heat load resulting from the acquisition of advanced medical technologies and personal computers. Studies completed by the Department of Facilities during peak summer months indicate facility requirements at peak cooling load are 5100 tons. The UH cooling system is stressed due to excess demand, generating component failures, reducing the life of the chillers, and on hot summer days making it difficult to maintain and sustain desired temperatures in surgical suites and other occupied spaces across the facility.

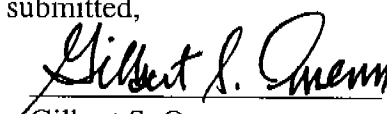
The Department of Facilities recommends the replacement of the four existing chillers over a three to five year timeframe, to increase the cooling capacity of University Hospital (to 5600 tons) in response to existing and future cooling demands.

This specific project will replace one chiller in the fall of 2001 that will be operational before the subsequent peak summer cooling season. In addition, the electrical system will be updated, pumps will be replaced throughout the cooling system, and renovation work will be needed to accommodate the work. The total project is estimated to cost \$4,400,000. Funding will be provided from the UMHHC Department of Facilities building component reserves. A Certificate of Need (CoN) is required for this project.

We recommend that the Regents approve the University of Michigan Hospitals and Health Centers (UMHHC) UH Chiller Replacement Project as described and authorize issuing the project for bids and awarding a construction contract providing that bids are within the approved budget, and the CoN is obtained from the State.

Respectfully submitted,


Robert Kasdin
Executive Vice President
and Chief Financial Officer


Gilbert S. Omenn
Executive Vice President
for Medical Affairs

APPROVED BY THE REGENTS ON

November 2000

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