



BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

January 21, 2022
2:00 p.m.

Via WebEx Videoconference

1. Calling of the Roll
2. Declaration of Conflicts
3. Authority to Construct All-Agency Maintenance and Repair Project, UW System
4. Move into closed session to consider a recommendation for the appointment of a President of the University of Wisconsin System, as permitted by s. 19.85(1)(c) and (e), Wis. Stats.
5. Adjourn

Webex videoconference registration information and meeting materials can be found at <https://www.wisconsin.edu/regents/meetingmaterials> or may be obtained from Jess Lathrop, Executive Director, Office of the Board of Regents, 1860 Van Hise Hall, 1220 Linden Drive, Madison, WI 53706, (608) 262-2324.

January 21, 2022

AUTHORITY TO CONSTRUCT ALL AGENCY MAINTENANCE AND REPAIR PROJECT, UW SYSTEM

REQUESTED ACTION

Adoption of Resolution 3., authorizing construction of a maintenance and repair project.

Resolution 3. That, upon the recommendation of the President of the UW System, the UW System Board of Regents grants authority to construct a maintenance and repair project at an estimated total cost of \$2,992,000 PRSB.

SUMMARY

FACILITY MAINTENANCE & REPAIR

INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	CASH	TOTAL
MSN	21C1P	Witte Residence Hall - A Tower Ventilation Renovation		\$2,992,000		\$2,992,000
FACILITY MAINTENANCE & REPAIR SUBTOTALS			\$0	\$2,992,000	\$0	\$2,992,000

	GFSB	PRSB	CASH	TOTAL
JANUARY 2022 TOTALS	\$0	\$2,992,000	\$0	\$2,992,000

Presenter

- Alex Roe, Senior Associate Vice President for Capital Planning and Budget, UW System

BACKGROUND

UW-Madison – Witte Residence Hall – A Tower Ventilation Renovation:

This project resolves condensation issues and the associated air quality problems present in resident rooms due to excessive moisture. Project work includes installing new ductwork to resident rooms, constructing new duct risers between floors in fire rated chase enclosures, and installing a new energy recovery unit on the roof to provide exhaust and makeup supply air for the ventilation system. The new energy recovery unit will be served

by the central campus chilled water system and hot water provided by the building heating water system. Direct digital controls (DDC) will be provided on the new units. Additional supporting work will include electrical power distribution to the new equipment, fire alarm extension, and general work on the roof to create the new openings and chases. Some fire suppression work will be required to accommodate the new ductwork installation.

The Witte Residence Hall Renovation was completed in August 2019. During the academic year and after construction was completed, housing staff noticed a significant increase in condensation on the walls and windows in the newly renovated resident rooms. Towers Hall at UW-Eau Claire, which is a sister building to Witte Hall, also underwent a similar renovation because it experienced the same post-renovation high humidity and condensation issues. A consultant was hired to understand the cause at Towers Hall. It was determined that the unusual building envelope, in combination with the building's size and the increased efficiency of new building systems, prevented the HVAC system from properly balancing indoor humidity levels. Supplemental HVAC systems and controls to mitigate these high humidity and condensation conditions are being installed at Towers Hall and there are plans to do the same at Witte Hall. Similar designs of the combined HVAC systems have proven effective in other residence hall renovations across the state.

Related Policies

- Regent Policy Document 19-8, "[Funding of University Facilities Capital Costs](#)"
- Regent Policy Document 19-15, "[Physical Development Principles](#)"
- Regent Policy Document 19-16, "[Building Program Planning and Approval](#)"