BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM

Capital Planning and Budget Committee

Thursday, September 29, 2022 8:45 a.m. – 10:00 a.m.

Ojibwe Grand Ballroom (330)
W.R. Davies Student Center
UW-Eau Claire
77 Roosevelt Avenue
Eau Claire, Wisconsin
and via Webex Videoconference

- A. Calling of the Roll
- B. Declaration of Conflicts
- C. Approval of the Minutes of the August 18, 2022 Meeting of the Capital Planning and Budget Committee
- D. Video: UW-Eau Claire Land Recognition Statement and Student Welcome
- E. Proposed Consent Agenda
 - 1. UW-Platteville: Authority to Sell an Improved Parcel of Land
 - 2. UW-La Crosse: Authority to Exchange Two Parcels of Vacant Land
 - 3. UW-Madison: Authority to Increase Scope and Budget for the UW Managed Rowe WHAM Plasma Physics Lab Electrical and Cooling Upgrade
 - 4. UW-Madison: Authority to Construct the UW Managed Microbial Sciences Building Second Floor Research Lab Renovation
 - 5. UW-Madison: Authority to Construct the UW Managed Engineering Hall Experimental Mechanics Lab 1313 Renovation
 - 6. UW System: Authority to Construct All Agency Maintenance and Repair Projects
 - 7. UW System: Authority to Construct Minor Facilities Renewal Projects
- F. UW-Madison: Authority to Enter Into a Lease for Multiple Schools and Colleges at University Research Park
- G. UW-Madison: West Innovation Park Master Plan Presentation
- H. UW-Eau Claire: Host Campus Presentation: "Innovative Solutions to Capital Needs"
- I. Report of the Senior Associate Vice President

AUTHORITY TO SELL AN IMPROVED PARCEL OF LAND, UW-PLATTEVILLE

REQUESTED ACTION

Adoption of Resolution E.1., granting authority to approve the sale of an improved 1.028-acre parcel of land.

Resolution E.1.

That, upon the recommendation of the Chancellor of UW-Platteville and the President of the UW System, the UW System Board of Regents grants authority to sell a 1.028-acre parcel of land with improvements located at 895 W. Main Street, Platteville, Wisconsin.

SUMMARY

UW-Platteville purchased the single-family home located at 895 W. Main Street in May 1997. The property was purchased from an alumnus of the institution at a discount of approximately thirty percent below the appraised value. Since late 1997, the house has been used as the chancellor's residence.

The current level of interior finishes is not what is expected given the use of the house. The house contains 4,742 gross square feet above-grade and a minimum of \$150,000 is needed to update the kitchen and other interior areas. The previous chancellor could not hold social functions at the house as it does not have accessible restrooms, which could cost another estimated \$40,000 to construct.

Presenter(s)

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

BACKGROUND

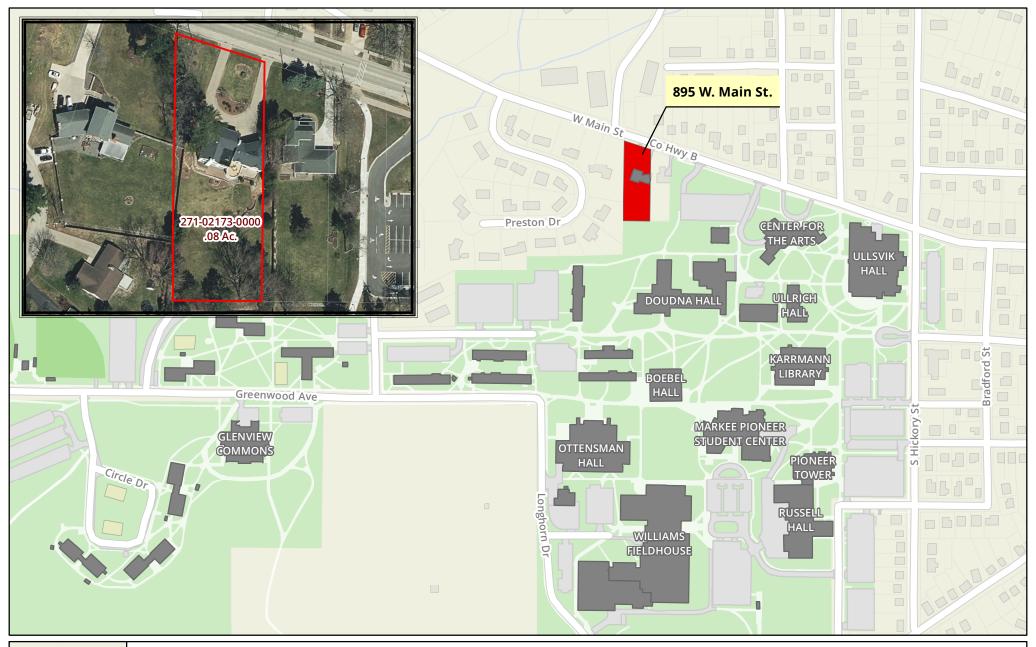
The house was constructed in 1934 and has had several additions to it over the years. The current floor plan of the house includes four bedrooms, and three full and two half-bathrooms within 4,742 square feet. Two appraisals were completed, and the value varied by less than two percent. Upon approval to sell, the house will be listed with a real estate agent.

Related Policies

• Regent Policy Document 13-2, <u>"Real Property Contracts: Signature Authority and Approval"</u>

ATTACHMENT(S)

A) UW-Platteville: Land and Improvements Sale Map





Sources: UW System Administration, State of Wisconsin, Wisconsin State Cartographers Office, US Census Bureau

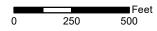
This map is for reference purposes only.

UW-Platteville: Land and Improvements Sale

Proposed Sale Property Campus Building

UW Property Campus Parking Area

Document Path: G:\CPB\GIS\Projects\BORSBC_Maps\PLT\Chancellors_House_Sale_2022\PLT_Land_Improvements_Sale_20220907.mxd





AUTHORITY TO EXCHANGE TWO PARCELS OF VACANT LAND, UW-LA CROSSE

REQUESTED ACTION

Adoption of Resolution E.2., granting authority to exchange two parcels of vacant land.

Resolution E.2.

That, upon the recommendation of the Chancellor of UW-La Crosse and the President of the UW System, the UW System Board of Regents authorizes the transfer of a .02-acre parcel of land to the City of La Crosse in exchange for a .04-acre parcel of land located in La Crosse County.

SUMMARY

This request is to accept a .04-acre parcel of vacant land located on the northwest side of the UW-La Crosse campus for a .02-acre parcel of vacant land adjacent to campus. Both parcels are vacant and part of a larger parcel of land slated to be developed for a new fire station for the City of La Crosse. A certified survey map has been recorded detailing the two parcels.

Presenter(s)

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

BACKGROUND

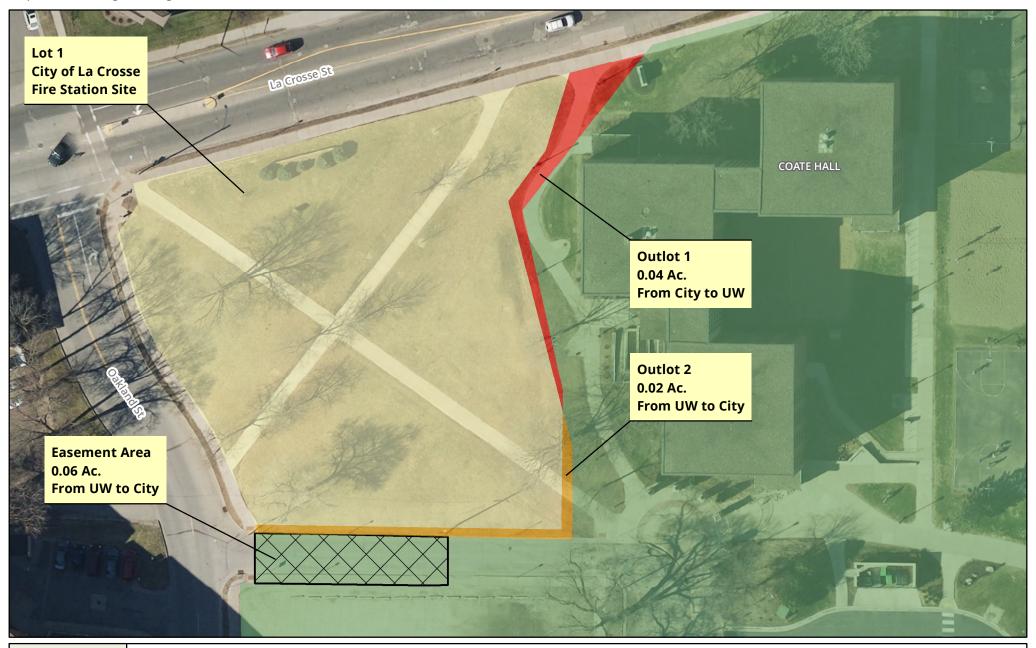
In preparation for the construction of a new fire station, a certified survey map was created to record the creation of a new lot. Due to a number of street vacations in and around the site, two slivers of land were left over after the new lot was created. These two parcels of land will be reassigned and now attached to the larger proximate parcels, one belonging to the city and the other belonging to UW-La Crosse. An easement will also be granted to the city to allow for fire truck access from the south end of the site. The easement does not require Board approval.

Related Policies

- Regent Policy Document 13-2, "Real Property Contracts: Signature Authority and Approval"
- Section 13.48(2)1m. Wis. Stats., "Long-range public building program"
- Section 36.29(6), Wis. Stats., "Gifts; golf course"

ATTACHMENT(S)

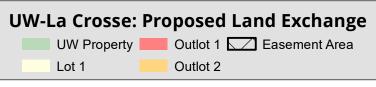
A) UW-La Crosse: Proposed Land Exchange Map





Sources: UW System Administration, State of Wisconsin, Wisconsin State Cartographers Office, US Census Bureau

This map is for reference purposes only.



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AUTHORITY TO INCREASE SCOPE AND BUDGET FOR THE UW MANAGED ROWE WHAM PLASMA PHYSICS LAB ELECTRICAL AND COOLING UPGRADE PROJECT, UW-MADISON

REQUESTED ACTION

Adoption of Resolution E.3., authorizing an increase to the scope and budget of the UW Managed Rowe WHAM Plasma Physics Lab Electrical and Cooling Upgrade project.

Resolution E.3.

That, upon the recommendation of the Chancellor of UW-Madison and the President of the UW System, the UW System Board of Regents authorizes an increase in the scope and budget of the Rowe WHAM Plasma Physics Lab Electrical and Cooling Upgrade of \$991,000 for estimated total project cost of \$2,555,000 Gift/Grant Funding.

SUMMARY

This UW Managed project upgrades facility electrical power and process cooling capacity in the KRC-SRC Rowe Building at the Physical Sciences Laboratory (PSL) to support a fusion energy research project called the Wisconsin High-temperature-superconducting Axisymmetric Mirror (WHAM).

This project has two major milestones to meet program requirements. The first milestone upgraded temporary process cooling that allowed the equipment to be operational for short durations by March 2022 to demonstrate proof of concept. The second milestone is the design and construction of the permanent electrical and process cooling solution. This project was originally approved with a budget of \$1,564,000. The updated budget amount is \$2,555,000. During the design process, it was determined that one of the components of this project requires de-ionized water, mandating the creation of a separate isolated cooling loop. These process cooling loops require additional controls and electrical capacity which were not included in the original design. In order to finish design and begin construction, an increase of \$991,000 is required.

Presenter(s)

The Wisconsin Plasma Physics Laboratory (WiPPL) operates several multi-investigator, intermediate-scale plasma physics devices, and represents the Plasma Physics efforts within the University of Wisconsin Physics Department. WiPPL serves both UW-Madison and external users and supports the core of a broad research program to understand the flow of energy between fields and particles in plasmas.

A public-private partnership between UW-Madison, the Massachusetts Institute of Technology, and Commonwealth Fusion Systems was formed to build and operate a compact, high-field simple mirror called WHAM. The project is funded by the DOE/ARPA-E.

Budget

Construction	\$1,961,000
Design	\$222,000
Contingency	\$294,000
Equipment	\$0
Management Fees	\$78,000
TOTAL	\$2,555,000

BOR Approval	September 2022
Bid Opening	September 2022
Start Construction	October 2022
Substantial Completion	December 2022
Project Close Out	May 2023

Previous Action(s)

February 10, 2022 Authorized the completion of design and construction of the Rowe Resolution 11806 WHAM Plasma Physics Lab Electrical and Cooling Upgrade project.

- Regent Policy Document 19-15, "Physical Development Principles"
- Regent Policy Document 19-16, "Building Program Planning and Approval"

AUTHORITY TO CONSTRUCT THE UW MANAGED MICROBIAL SCIENCES BUILDING SECOND FLOOR RESEARCH LAB RENOVATION, UW-MADISON

REQUESTED ACTION

Adoption of Resolution E.4., authorizing the construction of the Microbial Sciences Building Second Floor Research Lab Renovation project.

Resolution E.4.

That, upon the recommendation of the Chancellor of UW-Madison and the President of the UW System, the UW System Board of Regents authorizes the construction of the Microbial Sciences Building Second Floor Research Lab Renovation project for an estimated total project cost of \$1,554,000 Gift/Grant Funding.

SUMMARY

This project converts three rooms in the Microbial Sciences Building into two Biosafety Level 2 (BSL2) laboratories. This conversion provides additional wet laboratory research space for faculty recruitment growth in the Department of Medical Microbiology and Immunology.

The wet laboratories and tissue culture rooms built by the project provide needed research space for two additional Principal Investigator recruits. Additionally, the project will build new offices for faculty arriving in 2022 and 2023, and an unassigned workspace for students.

The project will retain the floors, walls, ceilings, and mechanical, electrical, and plumbing components with minimum modifications to meet the requirements. The project will also replace some of the existing casework to meet research needs.

Presenter(s)

The Microbial Sciences Building is a 330,000 GSF facility that opened in 2007 and combines facilities for innovative instruction and world-class research laboratories.

Vanessa Sperandio, Ph.D., an expert in the cellular interactions that take place between mammals and microbes, has joined UW School of Medicine and Public Health as the chair of the Department of Medical Microbiology and Immunology (MMI). Researchers in MMI focus on microbial pathogens, the immune responses pathogens spark in infected organisms, and how infectious diseases can be prevented and treated. This project was part of her recruitment package.

Budget

Construction	\$1,201,000
Design	\$127,000
Contingency	\$120,000
Equipment	\$60,000
Management Fees	\$46,000
TOTAL	\$1,554,000

A/E Selection	May 2022
BOR Approval	September 2022
Bid Opening	February 2023
Start Construction	March 2023
Substantial Completion	August 2023
Final Completion	September 2023

Previous Action(s)

None.

- Regent Policy Document 19-15, "Physical Development Principles"
- Regent Policy Document 19-16, "Building Program Planning and Approval"

AUTHORITY TO CONSTRUCT THE UW MANAGED ENGINEERING HALL EXPERIMENTAL MECHANICS LAB 1313 RENOVATION, UW-MADISON

REQUESTED ACTION

Adoption of Resolution E.5., authorizing the construction of the Engineering Hall Experimental Mechanics Lab 1313 Renovation project.

Resolution E.5.

That, upon the recommendation of the Chancellor of UW-Madison and the President of the UW System, the UW System Board of Regents authorizes the completion of design and construction of the Engineering Hall Experimental Mechanics Lab 1313 Renovation project for estimated total project cost of \$2,063,000 Gift/Grant Funding.

SUMMARY

This project will renovate 2,800 SF of the Experimental Mechanics teaching laboratories in rooms 1313 and 1313A-C in Engineering Hall which require renovation to reflect the substantial advances in experimental equipment technology.

The renovation scope will reconfigure the existing walls and ceilings, as well as replace the exterior window system to create modern instructional lab spaces and an office/storage space. Additionally, the installation of modern materials testing equipment requires modifying mechanical, electrical, and plumbing systems in the space, and carbon reinforcement of the floor to bear the weight of the testing equipment. Also, a new hydraulic pump room will be constructed beneath the lab.

The project will install new lighting and technology in the lab to increase visibility from the outside, allowing the space to be "on display," promoting interest in mechanics and materials for future generations of engineers and scientists. The new space will include a welcoming entry from the corridor and improve natural lighting and access within the space, including the ability to teach two separate classes at the same time.

Presenter(s)

This project is part of an overall multi-disciplinary effort within the College of Engineering (CoE) to improve lab facilities associated with experimental mechanics courses. This lab provides instruction space for nine required and elective courses, serving an average of 200 students each semester.

The current experimental mechanics laboratory is several decades old and requires renovation to reflect the substantial advances in experimental equipment technology. Modernizing the teaching laboratory space to efficiently use and consolidate lab courses is supported by the CoE Strategic Plan and will offer our students an improved learning experience.

Budget

Construction	\$1,500,000
Design	\$160,000
Contingency	\$225,000
Equipment	\$125,000
Management Fees	\$53,000
TOTAL	\$2,063,000

A/E Selection	March 2022
BOR Approval	September 2022
Bid Opening	January 2023
Start Construction	May 2023
Substantial Completion	December 2023
Final Completion	July 2024

Previous Action

None.

- Regent Policy Document 19-15, "Physical Development Principles"
- Regent Policy Document 19-16, "Building Program Planning and Approval"

Item E.6.

September 29, 2022

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

REQUESTED ACTION

Adoption of Resolution E.6., authorizing construction of various maintenance and repair projects.

Resolution E.6.

That, upon the recommendation of the President of the UW System, the UW System Board of Regents grants authority to construct various maintenance and repair projects at an estimated total cost of \$7,986,600 (\$2,899,000 General Fund Supported Borrowing; \$3,988,400 Program Revenue Supported Borrowing; and \$1,099,200 Cash).

SUMMARY

FACILITY MAINTENANCE AND REPAIR

INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	CASH	TOTAL
MSN	21D3Q	Exterior Window Replacement Slichter Hall		\$2,988,400		\$2,988,400
		FACILITY MAINTENANCE AND REPAIR SUBTOTALS		\$2,988,400		\$2,988,400

UTILITIES REPAIR & RENOVATION

	PROJ.					
INST	NO.	PROJECT TITLE	GFSB	PRSB	CASH	TOTAL
LAC	21K2G	Chiller Plant Unit #1 Replacement	\$2,899,000	\$1,000,000	\$1,099,200	\$4,998,200
		ENERGY CONSERVATION SUBTOTALS	\$2,899,000	\$1,000,000	\$1,099,200	\$4,998,200

	GFSB	PRSB	CASH	TOTAL
SEPTEMBER 2022 TOTALS	\$2,899,000	\$3,988,400	\$1,099,200	\$7,986,600

Presenter(s)

<u>UW-Madison - Exterior Window Replacement - Slichter Hall:</u>

This project's work includes removal of existing exterior windows, steel lintels and associated stone masonry, and installation of new windows, steel lintels and associated stone masonry in Slichter Residence Hall.

The existing windows on this residence hall are wood clad units installed in the 1980's. Many of the units do not operate properly and have rotted sashes. Repair parts are difficult, if not impossible to find.

UW-La Crosse - Chiller Plant Unit #1 Replacement:

This project includes installation of a new 1300-ton chiller in the West Chiller Plant along with a new cooling tower. The project will install chilled water supply and return piping, associated ancillary equipment, and the necessary utility improvements for facility operation.

Existing Chiller #1 in the east plant suffers from terminal damage. After consulting with the mechanical engineer and Division of Facilities Development (DFD), it was determined that it was beyond long-term reasonable repair. To restore the lost chiller capacity that is required to meet the current cooling demand, it was determined that the best course of action would be to replace the unit. The West Chiller Plant has an empty bay that was designed to accept a future third chiller. Since the current campus cooling load requires five functional chillers, this project is critical to meeting the campus cooling loads.

Previous Action(s)

None.

- Regent Policy Document 19-1, "University Facilities, Space, and Physical Development Capital Funding and Costs"
- Regent Policy Document 19-15, "Physical Development Principles"
- Regent Policy Document 19-16, "Building Program Planning and Approval"

Capital Planning and Budget Committee

Item E.7.

September 29, 2022

AUTHORITY TO CONSTRUCT MINOR FACILITIES RENEWAL PROJECTS, UW SYSTEM

REQUESTED ACTION

Adoption of Resolution E.7., authorizing construction of minor facilities renewal projects.

Resolution E.7.

That, upon the recommendation of the President of the UW System, the UW System Board of Regents grants authority to construct minor facilities renewal projects at an estimated total cost of \$11,118,000 (\$4,260,000 General Fund Supported Borrowing; \$5,872,000 Program Revenue Supported Borrowing; and \$986,000 Cash).

SUMMARY

2019-21 MINOR FACILITIES RENEWAL, GROUP 1

INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	CASH	TOTAL
MSN	19G1Y	Fluno Center Plaza Waterproofing Repair		\$5,000,000	\$986,000	\$5,986,000
		2019-21 MINOR FACILITIES RENEWAL, GROUP 1 SUBTOTALS		\$5,000,000	\$986,000	\$5,986,000

2021-23 MINOR FACILITIES RENEWAL, GROUP 1

	V-1 - 2					
INST	PROJ. NO.	PROJECT TITLE	GFSB	PRSB	CASH	TOTAL
PKS	21E2A	Heating & Chilling Plant Boilers 3 & 4 Replacement	\$4,260,000	\$872,000		\$5,132,000
		2021-23 MINOR FACILITIES RENEWAL, GROUP 1 SUBTOTALS	\$4,260,000	\$872,000		\$5,132,000

	GFSB	PRSB	CASH	TOTAL
SEPTEMBER 2022 TOTALS	\$4,260,000	\$5,872,000	\$986,000	\$11,118,000

Presenter(s)

UW-Madison - Fluno Center Plaza Waterproofing Repair:

The project shall provide the necessary design and construction to waterproof the concrete cap of the underground parking garage at Fluno Center, repair the relevant damage to the parking garage and restore the above ground site components as necessary.

Surface water runoff from the ground surface courtyard has been entering into the underground parking ramp below the Fluno Center since 2007, causing damage to the underground facilities. It is common to have water cascading through ceiling joints through the first level and down into the second parking level. Water intrusions land on interior walk and drive surfaces creating slippery conditions for pedestrians and vehicles. Water has gradually damaged concrete surfaces and joints which has increased the volume of water intrusion. Continued water intrusion will eventually cause concrete to spall which could fall on pedestrians and vehicles. In winter, some water intrusions create large ice columns and slabs which tend to impede travel within the ramp. Several repairs have been performed by campus staff over the years which have had some limited short-term success but the overall problem continues to persist and grow. This project is needed to provide comprehensive long-term solutions to the water intrusions to maintain full use of the parking facility and mitigate damage to the overall structure.

UW-Parkside – Heating & Cooling Plant Boilers 3&4 Replacement:

This project will replace the two existing 250 horsepower summer boilers with new 350 horsepower boilers and their associated burner management systems, fuel trains, and exhaust stacks. The project will include a heating plant controls upgrade for the summer and winter boilers.

The central Heating & Chilling Plant was constructed in 1971 and the summer boilers were moved to their current location following three years of service in the temporary Heating & Chilling Plant. These units have a four to one boiler turndown ratio. The new boilers will implement 10:1 turndown on gas and 8:1 on #2 fuel oil, which was considered state-of-theart at the time of construction, but is now antiquated and inefficient by modern standards. These boilers do not currently utilize economizer efficiencies, and existing linkage boiler controls are inefficient and problematic.

- Regent Policy Document 19-1, "University Facilities, Space, and Physical Development Capital Funding and Costs"
- Regent Policy Document 19-15, "Physical Development Principles"
- Regent Policy Document 19-16, "Building Program Planning and Approval"

AUTHORITY TO ENTER INTO A LEASE FOR MULTIPLE SCHOOLS AND COLLEGES AT UNIVERSITY RESEARCH PARK, UW-MADISON

REQUESTED ACTION

Adoption of Resolution F., authority to enter into a lease of laboratory support space for multiple schools and colleges at UW-Madison.

Resolution F.

That, upon the recommendation of the Chancellor of UW-Madison and the President of the UW System, the UW System Board of Regents grants authority to enter into a lease of 50,969 square feet located at 5510 Element Way, Madison, Wisconsin to be occupied by UW-Madison research units.

SUMMARY

UW-Madison's recruitment of world class faculty is impeded by their inability to provide high quality research lab space in a timely manner for new faculty. The leased space will be located in a new building currently under construction at the University Research Park (URP).

Additional lab facilities will enable new faculty to begin research on arrival at UW-Madison and then transition to on-campus space as options are identified and upgrade projects are completed. The space may also be used for established research and/or research centers to free-up space on campus for new faculty research, allowing new faculty to be on-site at their respective departments, supporting their integration into the university research community.

This lease could also provide additional Biosafety Level 3 (BSL3)-capable space, another identified space need on campus. The University Research Park Element lab provides a unique opportunity to provide modern research laboratory space located close to campus.

Presenter(s)

Research faculty are hired expecting to begin their research immediately as they begin their employment. Due to the shortage of research lab space on campus, many researchers must delay commencement of their research until appropriate lab space is found, renovated, and constructed. The current timeframe to prepare laboratories for researchers delays the commencement of their tenure period.

URP will provide a building shell with basic HVAC systems, ceiling, walls, and concrete floors. UW-Madison is responsible for the cost of the interior finishes including all furniture, fixtures, and equipment to outfit labs. The new space will be constructed to accommodate six to eight researchers, and their associated staff.

Lease Terms

University Function	Various research entities within the schools and colleges at UW-Madison
Lease Location	5510 Element Way, Madison, Wl
Type of Negotiation or Selection Process	Sole Source
Lessor	University Research Park
Anticipated Occupancy Date	January 2024
Lease Term	15 years
Escalation Rate	2% annual escalation on base rent
Operating Expenses	\$25.00 per square foot
Renewal Options	Two 5-year renewal options
Purchase Option	None
Space Type	Laboratory/Laboratory support space
Square Feet	50,969
Base rental rate	\$32.00
Projected Reconciled Cost Per Square Foot, year 1	\$57.00/GSF
Initial Lease Term Total Projected Cost	Gross rent \$55,875,181 Tenant Improvements \$51,000,000 Total \$106,875,181

Funding Source	Costs will be funded through Federal
	Facilities and Administrative
	grant funding

Previous Action(s)

None.

Related Policies

• Regent Policy Document 13-2: <u>"Real Property Contracts: Signature Authority and Approval"</u>

ATTACHMENT(S)

A) UW-Madison: Proposed Lease on Element Way





Sources: UW System Administration, State of Wisconsin, Wisconsin State Cartographers Office, US Census Bureau

This map is for reference purposes only.

UW-Madison: Proposed Lease

Proposed Lease Location UW Property

Campus Building

University Research Park

250 500



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Capital Planning & Budget Committee

Item G.

September 29, 2022

WEST INNOVATION PARK MASTER PLAN PRESENTATION BY UW-MADISON

REQUESTED ACTION

For information and discussion only.

SUMMARY

The Real Estate Strategy work has advanced through the issuance of a Request for Qualifications and Proposals process for a West Campus District Plan by selecting a multi-disciplinary team led by Perkins and Will through a collaboration with URP. The university has engaged a broad district advisory group, including campus, district (UW Health, Veterans Administration hospital), and community partners.

Perkins and Will commenced their work in August and September, by holding workshops with the advisory committee, campus leadership, shared governance, and other stakeholders. Work includes evaluating benchmark targets and identifying three site visits to Purdue, Georgia Tech, and NC State later in the year.

Presenter(s)

• Paul Seitz, Director of Strategic Initiatives, UW-Madison

Capital Planning & Budget Committee

Item H.

September 29, 2022

HOST CAMPUS PRESENTATION: INNOVATIVE SOLUTIONS TO CAPITAL NEEDS, UW-EAU CLAIRE

REQUESTED ACTION

For information and discussion only.

SUMMARY

After decades of minimal capital investments and an average building age of 52 years, UW-Eau Claire is looking to innovative partnerships to address facility needs, from public-private collaborations with Blugold Real Estate, the City of Eau Claire and private partners, to leveraging renovation opportunities to advance our strategic plan.

Presenter(s)

• Dr. Jim Schmidt, Chancellor, UW-Eau Claire