2019-2025 CAPITAL PLAN

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December 2018

UNIVERSITY OF WISCONSIN SYSTEM



UW SYSTEM

Greetings,

The University of Wisconsin System is in a unique position to help grow a stronger Wisconsin economy by concentrating our resources on meeting the current and future needs of the state, our country, and the global workforce. More than 36,000 students graduate from the UW System each year and more than 80 percent will stay in Wisconsin to work, raise families, and become productive taxpaying citizens.

With an enrollment of approximately 170,000 students at 26 campuses, the UW System is well positioned to help advance the state's economy through hands-on collaboration and research initiatives with local communities and businesses that provide our students with real-world job experience.

Maintaining our physical plant is a key element underpinning the educational and research mission of the university. As we develop the talent economy and compete globally, our facilities must provide the appropriate setting for learning and discovery in the 21st century.

This Capital Plan prioritizes repair and renovation over new and directed resources. More than 60% of the UW System's building inventory was constructed between 1950 and 1979, and much of that inventory has had little renovation or upgrade since its inception. The 2019-21 budget request proposes to renovate 2.3 million (or 3%) of the more than 62 million square feet comprising the University of Wisconsin System. In a system of this size and scope, we must take extra care to be as efficient as possible in both the maintenance and expansion of our existing facilities. It is critical to the success of our students and our institutions that we employ a balanced approach that recognizes both costs and needs as critical components of this plan.

The UW System is focused on providing Wisconsin with world-class education, research and public service. We respectfully submit this plan, which identifies facility improvements and resources that support and produce high-impact teaching, learning, and research.

We must meet the needs of our students so they can fulfill their potential. This investment in the UW System will help us develop and enhance the talent economy of the State of Wisconsin.

Sincerely,

Ray Cross, President University of Wisconsin System



INTRODUCTION

The State of Wisconsin Legislature and the Executive Branch place a high value on long-range planning for state agency and educational facilities. The Wisconsin Statutes state that providing the facilities necessary for state agencies and educational institutions to properly perform their duties should be accomplished within a long-range plan with funding provided by successive legislatures. § 13.48(1)

Biennially, each state agency is required to submit a capital budget request within the context of a long-range plan to the Department of Administration. The UW System process for developing its Capital Budget and long-range plan recommendations is based on planning models common throughout higher education.

UW System long-range planning involves: identification of building conditions, program needs, space adequacy, and utilization; evaluation of alternatives and prioritization of space and program needs; and the development of six-year capital plans by each UW institution.

Per § 36.11(26): "BUILDING PROGRAM PLANNING AND APPROVAL. The board shall establish a process for submission of building projects to the building commission for approval. No building project for the system may be submitted by the board to the building commission unless the project is developed and approved by the board in conformity to this subsection. This subsection does not apply to building projects of the University of Wisconsin Hospitals and Clinics Authority."

The UW System Office of Capital Planning and Budget evaluates and prioritizes institutional requests based on Regent-approved evaluation criteria. As part of the President's Reform Agenda, which reinforces Board of Regent policies that emphasize the importance of considering renovation before the construction of new space, an intermediate prerequisite process is now included to evaluate major project requests that propose new net square footage. Four categories have been created to evaluate the need for new space and each project must meet the criteria delineated in one of the new categories, as well as demonstrate that no other appropriate facilities are available to accommodate expansion before it can move through the remaining steps of the evaluation process.

The 2019-21 Capital Budget recommendation is designed to promote affordability while addressing obsolete and aging facilities, deferred maintenance, and Wisconsin's workforce needs. Key strategic elements of the recommendation are:

- Affordability: Board of Regents criteria for capital projects emphasize affordability for students and taxpayers with a focus on repair and renovation. The recommended capital budget seeks to emphasize affordability while addressing other critical capital needs;
- Elimination of Obsolete Facilities: Projects are recommended to construct new facilities as replacement where existing ones are unable to be renovated cost-effectively to meet academic or program needs. State funding requests focus on STEM facilities to support workforce needs, attract and retain Wisconsin students, and expand STEM education;

Statutory Requirement

UW System Process

Board of Regents Approval

Project Prioritization

Strategic Elements

INTRODUCTION

- Repair Aging Facilities: Projects are recommended to renovate and repair aging facilities and infrastructure. \$338 million is requested to focus on work inside existing facilities to address high priority needs and improve facilities that will continue to be used for the foreseeable future.
- Expand STEM Education: Projects that provide modern, up-to-date facilities for education and research in STEM fields are prioritized in the recommendations. These include 2019-21 and advanced enumerations for 2021-23 to ensure faculty have the academic facilities needed for the future; and
- Promote Improved Planning: Complex projects identified for the 2021-23 biennium are recommended for planning and advanced enumeration. This will enable UW institutions to work with designers to prepare for construction in 2021-23 with two years of planning within set budgets.

In addition, the Capital Budget request includes funding for the upgrade of classrooms and instructional labs to current standards and provide state-of-the art technology. Finally, the Capital Budget request identifies five projects for advance planning during the 2019-21 biennium for potential enumeration in the following biennium.

This publication presents the UW System six-year plan for the next three biennia, 2019-2025, representing 13 UW System institutions. Developing an agency-wide long-range plan allows the Board of Regents, the Department of Administration, and the Legislature to better understand and manage educational facility needs. However, the long-range plan is a point-in-time reference, and remains flexible to accommodate future adjustments such as increasing or decreasing funding levels or program changes.

Alexandria Roe Associate Vice President Capital Planning and Budget University of Wisconsin System UW System Six-Year Plan

University of Wisconsin System

2019-21 CAPITAL BUDGET REQUEST in AGENCY-WIDE PRIORITY ORDER

	PROJECT REQUEST DETAILS					FUNDING SOURCES							
ID	INST	BLDG ID	PROJECT TITLE		BUDGET		GFSB	PRSB	CASH	GIFTS	BTF		
			2019-21 ENUMERATION RE	QUE	STS								
1	SYS	285-0Y-9950	ALL AGENCY PROJECTS PROGRAM FUNDING	\$	300,000,000	\$	200,000,000 \$	100,000,000 \$	0 \$	0 \$	0		
2	SYS	285-0Y-9950	INSTRUCTIONAL SPACE PROJECTS PROGRAM FUNDING	\$	38,000,000	\$	38,000,000 \$	0 \$	0 \$	0 \$	0		
3	MIL	285-0B-9999	CHEMISTRY BUILDING/CENTRAL UTILITIES EXTENSION	\$	129,535,000	\$	129,535,000 \$	0 \$	0 \$	0 \$	0		
4.1	EAU	285-0C-9930	UPPER/LOWER CAMPUS STEAM UTILITY REPLACEMENT	\$	19,767,000	\$	11,663,000 \$	8,104,000 \$	0 \$	0 \$	0		
4.2	MSN	285-0A-9920	BASCOM HILL/LATHROP DR. UTILITY REPLACEMENT, PHASE II	\$	20,076,000	\$	14,660,000 \$	5,416,000 \$	0 \$	0 \$	0		
4.3	WTW	285-0N-0031	HEATING PLANT BOILERS FUEL RETROFIT	\$	6,937,000	\$	3,954,000 \$	2,983,000 \$	0 \$	0 \$	0		
4.4	OSH	285-0F-0061	HEATING PLANT CHILLER & COOLING TOWER REPLACEMENT	\$	3,465,000	\$	2,495,000 \$	970,000 \$	0 \$	0 \$	0		
4.5	EAU	285-0C-0004	LOWER CAMPUS CHILLER & COOLING TOWER REPLACEMENT	\$	3,764,000	\$	2,785,000 \$	979,000 \$	0 \$	0 \$	0		
5	PKS	285-0G-9950	CAMPUS FIRE ALARM SYSTEM RENOVATION	\$	6,773,000	\$	5,554,000 \$	1,219,000 \$	0 \$	0 \$	0		
6	ST0	285-0L-0073	SOUTH HALL ADDITION & RENOVATION	\$	35,015,000	\$	0 \$	35,015,000 \$	0 \$	0 \$	0		
7	MIL	285-0B-1980	STUDENT UNION RENOVATION	\$	40,723,000	\$	0 \$	35,000,000 \$	5,723,000 \$	0 \$	0		
8	MSN	285-0A-1245	SELLERY HALL ADDITION & RENOVATION	\$	78,811,000	\$	0 \$	59,108,000 \$	19,703,000 \$	0 \$	0		
9	LAX	285-0E-0007A	PRAIRIE SPRINGS SCIENCE CENTER, PHASE II	\$	83,020,000	\$	78,140,000 \$	0 \$	0 \$	0 \$	4,880,000		
10	MSN	285-0A-0093	VETERINARY MEDICINE ADDITION & RENOVATION	\$	128,103,000	\$	88,656,000 \$	0 \$	0 \$	38,000,000 \$	1,447,000		
11	LAX	285-0E-9950	COATE HALL/SANFORD HALL ADDITIONS & RENOVATIONS	\$	15,251,000	\$	0 \$	13,251,000 \$	2,000,000 \$	0 \$	0		
12	LAX	285-0E-0001	GRAFF MAIN HALL HVAC SYSTEM RENOVATION	\$	13,822,000	\$	13,822,000 \$	0 \$	0 \$	0 \$	0		
13	STP	285-0K-9999	STUDENT HEALTH & WELLNESS CENTER	\$	32,500,000	\$	0 \$	25,200,000 \$	7,300,000 \$	0 \$	0		
14	EAU	285-0C-9999	SCIENCE/HEALTH SCIENCE BUILDING, PHASE I	\$	109,000,000	\$	93,250,000 \$	0 \$	2,041,000 \$	13,709,000 \$	0		
15	MSN	285-0A-9999	GYMNASIUM/NATATORIUM REPLACEMENT	\$	126,391,000	\$	0 \$	91,991,000 \$	0 \$	34,400,000 \$	0		
16	LAX	285-0E-9999	FIELDHOUSE & SOCCER SUPPORT FACILITY	\$	49,035,000	\$	0 \$	24,517,500 \$	24,517,500 \$	0 \$	0		
17	MSN	285-0A-0225	KOHL CENTER ADDITION & RENOVATION	\$	48,074,000	\$	0 \$	33,974,000 \$	4,100,000 \$	10,000,000 \$	0		
18	LAX	285-0E-9999	RESIDENCE HALL	\$	41,104,000	\$	0 \$	41,104,000 \$	0 \$	0 \$	0		
19	MSN	285-0A-9950	CAMP RANDALL STADIUM RENOVATION/FIELD HOUSE REPAIRS	\$	77,646,000	\$	0 \$	68,046,000 \$	6,600,000 \$	3,000,000 \$	0		
20	MIL	285-0B-9999	KLOTSCHE CENTER ANNEX ADDITION	\$	7,000,000	\$	0 \$	0 \$	7,000,000 \$	0 \$	0		
24 RE(QUESTS		2019-21 ENUMERATION REQUESTS SUBTOTA	L \$'	,413,812,000	\$ (682,514,000 \$	546,877,500 \$	78,984,500 \$	99,109,000 \$	6,327,000		
			2019-21 PLANNING(*) and 2021-23 ADVANCED F	NUN	IERATION (**)	REQU	JESTS						
21	RVF	285-0J-9999	SCIENCE & TECHNOLOGY INNOVATION CENTER	\$	110,932,000	\$	104,291,000 \$	0\$	0\$	0\$	6,641,000		

29 R	QUESTS		2019-21 CAPITAL BUDGET REQUEST TOTAL	L \$1	,963,591,000	\$1,129,059,500	\$ 546,877,500	\$ 81,899,500	\$ 167,981,500	\$ 37,773,000
5 RE	QUESTS		2019-21 PLANNING and 2021-23 ADVANCED ENUMERATION REQUESTS SUBTOTAL	\$	549,779,000	\$ 446,545,500	\$ 0	\$ 2,915,000	\$ 68,872,500	\$ 31,446,000
25	WTW	285-0N-0010	WINTHER HALL ADDITION & RENOVATION	\$	42,680,500	\$ 41,060,000	\$ 0	\$ 0	\$ 0	\$ 1,620,500
24	MSN	285-0A-9999	ENGINEERING BUILDING	\$	145,756,000	\$ 68,872,500	\$ 0	\$ 2,915,000	\$ 68,872,500	\$ 5,096,000

22

23

EAU

MIL

285-0C-9999 SCIENCE/HEALTH SCIENCE BUILDING, PHASE II

285-0B-9999 ENGINEERING BUILDING/CENTRAL UTILITIES EXTENSION

(*) = INCLUDES \$23,524,000 BTF for PLANNING and \$2,915,000 CASH for PLANNING (**) = INCLUDES \$14,249,000 BTF for DEMOLITION

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\$ 147,152,000 \$ 136,905,000 **\$**

\$ 103,258,500 \$ 95,417,000 **\$**

0 \$

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0 \$

0 \$

0 \$ 10,247,000

0 \$ 7,841,500

University of Wisconsin System

			2021-23 CAPITAL BUDGET REQUEST in	n	AGENC	Y-	WIDE	PRIORI	FY (DRDE	R				
			PROJECT REQUEST DETAILS		FUNDING SOURCES										
ID	INST	BLDG ID	PROJECT TITLE		BUDGET		GFSB	PRSB	C	ASH	(ilFTS		BTF	
			2021-23 ENUMERATION REC	DUE	STS										
26	SYS	285-0Y-9950	ALL AGENCY PROJECTS PROGRAM FUNDING	\$	300,000,000	\$2	00,000,000 \$	100,000,000	\$	0	\$	0	\$		0
27	SYS	285-0Y-9950	INSTRUCTIONAL SPACE PROJECTS PROGRAM FUNDING	\$	40,000,000	\$	40,000,000 \$	0	\$	0	\$	0	\$	1	0
28.1	STP	285-0K-0025	HEATING PLANT BOILERS REPLACEMENT	\$	21,314,000	\$	12,575,000 \$	8,739,000	\$	0	\$	0	\$	1	0
28.2	MSN	285-0A-9924	CHARTER ST. STEAM TUNNEL REPLACEMENT	\$	22,109,000	\$	15,255,000 \$	6,854,000	\$	0	\$	0	\$	1	0
29	STP	285-0K-0008	ALBERTSON HALL ADDITION & RENOVATION	\$	59,535,000	\$	59,535,000 \$	0	\$	0	\$	0	\$		0
30	GBY	285-0D-2025	COFRIN LIBRARY RENOVATION (FLOORS 1-8)	\$	72,717,000	\$	72,717,000 \$	0	\$	0	\$	0	\$	1	0
31	WTW	285-0N-9999	BIGELOW HALL/LEE HALL ADDITIONS & RENOVATIONS	\$	30,778,000	\$	0 \$	30,778,000	\$	0	\$	0	\$	1	0
32	LAX	285-0E-0051	WHITNEY CENTER RENOVATION	\$	21,415,000	\$	0 \$	17,415,000	\$	4,000,000	\$	0	\$	1	0
33	OSH	285-0F-0006B	POLK LIBRARY ADDITION RENOVATION	\$	31,365,000	\$	31,365,000 \$	0	\$	0	\$	0	\$	1	0
34	MSN	285-0A-9950	KRONSHAGE RESIDENCE HALL RENOVATION	\$	32,032,000	\$	0 \$	24,709,000	\$	7,323,000	\$	0	\$		0
35	OSH	285-0F-9950	EVANS HALL/STEWART HALL RENOVATIONS	\$	42,588,000	\$	0 \$	42,588,000	\$	0	\$	0	\$		0
36	LAX	285-0E-9950	ANGELL HALL/HUTCHINSON HALL ADDITIONS & RENOVATIONS	\$	18,576,000	\$	0 \$	16,576,000	\$	2,000,000	\$	0	\$	1	0
37	EAU	285-0C-9950	MURRAY HALL/SUTHERLAND HALL ADDITIONS & RENOVATIONS	\$	51,732,000	\$	0 \$	50,732,000	\$	1,000,000	\$	0	\$		0
38	LAX	285-0E-0010	MITCHELL HALL HVAC/LABORATORY RENOVATION	\$	19,132,000	\$	19,132,000 \$	0	\$	0	\$	0	\$		0
39	RVF	285-0J-9950	POULTRY BARN/SWINE FACILITIES REPLACEMENT	\$	3,390,000	\$	3,390,000 \$	0	\$	0	\$	0	\$	1	0
40	MSN	285-0A-0485	MUSIC HALL EXTERIOR ENVELOPE REPAIRS	\$	17,981,000	\$	17,981,000 \$	0	\$	0	\$	0	\$	1	0
17 RE(QUESTS		2021-23 ENUMERATION REQUESTS SUBTOTAL	\$	784,664,000	\$ 4	71,950,000 \$	298,391,000	\$ 1	4,323,000	\$	0	\$		0

17 REQUESTS

2021-23 CAPITAL BUDGET REQUEST TOTAL \$ 784,664,000 \$ 471,950,000 \$ 298,391,000 \$ 14,323,000 \$ 0 \$ 0

University of Wisconsin System

	PROJECT REQUEST DETAILS						FUNDING SOURCES								
ID	INST	BLDG ID	PROJECT TITLE	B	UDGET		GFSB	PRSB	CASH	(GIFTS		BTF		
			2023-25 ENUMERATION REQU	JESTS	S										
41	SYS	285-0Y-9950	ALL AGENCY PROJECTS PROGRAM FUNDING	\$3	00,000,000	\$ 2	200,000,000 \$	100,000,000	5 0	\$	0	\$	0		
42	SYS	285-0Y-9950	INSTRUCTIONAL SPACE PROJECTS PROGRAM FUNDING	\$	42,000,000	\$	42,000,000 \$	0 9	5 0	\$	0	\$	0		
43.1	OSH	285-0F-0061	HEATING PLANT BOILERS REPLACEMENT	\$	18,037,000	\$	9,199,000 \$	8,838,000	5 0	\$	0	\$	0		
43.2	MSN	285-0A-9920	UNIVERSITY AVE. STEAM TUNNEL REPLACEMENT	\$	23,430,000	\$	16,167,000 \$	7,263,000	5 0	\$	0	\$	0		
44	OSH	285-0F-0028	NURSING/EDUCATION BUILDING, PHASE II	\$	26,907,000	\$	26,907,000 \$	0 9	5 0	\$	0	\$	0		
45	ST0	285-0L-0010	HERITAGE HALL ADDITION & RENOVATION	\$	74,438,000	\$	74,438,000 \$	0 9	5 0	\$	0	\$	0		
46	PLT	285-0H-0010	OTTENSMAN HALL CHEMISTRY RENOVATION (FLOORS 2-3)	\$	20,155,000	\$	20,155,000 \$	0 9	5 0	\$	0	\$	0		
47	MSN	285-0A-0558	SLICHTER HALL ADDITION & RENOVATION	\$	19,141,000	\$	0 \$	15,049,000	4,092,000	\$	0	\$	0		
48	MIL	285-0B-1974	CHEMISTRY BUILDING STEM PROGRAM RENOVATION	\$	72,909,000	\$	72,909,000 \$	0 9	5 0	\$	0	\$	0		
49	LAX	285-0E-9950	DRAKE HALL/WENTZ HALL ADDITIONS & RENOVATIONS	\$	13,804,000	\$	0 \$	11,804,000	2,000,000	\$	0	\$	0		
50	OSH	285-0F-9950	DONNER HALL/WEBSTER HALL RENOVATIONS	\$	39,079,000	\$	0 \$	39,079,000	5 0	\$	0	\$	0		
51	SUP	285-0M-0008A	OLD MAIN HVAC & CHILLED WATER SYSTEM RENOVATION	\$	20,459,000	\$	20,459,000 \$	0 9	5 0	\$	0	\$	0		
52	LAX	285-0E-0020	WIMBERLY HALL HVAC/CLASSROOMS RENOVATION	\$	13,772,000	\$	13,772,000 \$	0 9	5 0	\$	0	\$	0		
53	PKS	285-0G-3023	WYLLIE HALL RENOVATION, PHASE II (FLOORS 2-3)	\$	38,554,000	\$	38,554,000 \$	0 9	5 0	\$	0	\$	0		
54	SUP	285-0M-9950	CURRAN HALL/MCNEIL HALL/OSTRANDER HALL ADDITIONS & RENOVATIONS	\$	29,975,000	\$	0 \$	29,975,000	5 0	\$	0	\$	0		
55	GBY	285-0D-2031	UNIVERSITY UNION RENOVATION (FLOOR 1)	\$	6,598,000	\$	0 \$	6,037,000	5 561,000	\$	0	\$	0		
56	STP	285-0K-0041	ALLEN CENTER RENOVATION	\$	10,053,000	\$	0 \$	10,053,000	5 0	\$	0	\$	0		
57	SUP	285-0M-9999	OLE HAUGSRUD STADIUM REPLACEMENT	\$	3,189,000	\$	0 \$	3,189,000	5 0	\$	0	\$	0		
58	EAU	285-0C-0043	HILLTOP CENTER ADDITION & RENOVATION	\$	30,761,000	\$	0 \$	30,761,000	5 0	\$	0	\$	0		
59	EAU	285-0C-9999	RESIDENCE HALL & DINING FACILITY	\$ 1	00,710,000	\$	0 \$	100,710,000	5 0	\$	0	\$	0		
21 RE0	DUESTS		2023-25 ENUMERATION REQUESTS SUBTOTAL	\$9	03,971,000	\$5	534,560,000 \$	362,758,000	6,653,000	\$	0	\$	0		

21 REQUESTS	2023-25 CAPI

2023-25 CAPITAL BUDGET REQUEST TOTAL \$ 903,971,000 \$ 534,560,000 \$ 362,758,000 \$ 6,653,000 \$

3,000 \$ 0 \$

0

PRIORITY UW SYSTEM



ALL AGENCY PROJECTS PROGRAM FUNDING

\$300,000,000

\$200,000,000 GFSB and \$100,000,000 PRSB



Program Intent:

To fund projects at all Board of Regents-owned institutions that repair, renovate, and/or replace the facilities (building, site improvements, and site utilities) infrastructure.

Summary:

All Agency project budget estimates range between \$300K and \$3M, and those of the Small Projects Program range between \$5K and \$300K.

The program provides funding for:

- high-priority maintenance, repair and renovation in multiple categories:
 - facility maintenance & repair,
 - utilities repair/renovation,
 - energy conservation improvements and
 - capital equipment;
 - limited scope maintenance and renovation projects that resolve critical facility infrastructure that has failed or is near failure; and
- critical infrastructure that directly affects the ability to maintain intended operations and facility functions, poses health and safety risks, and/or hinders program delivery.



	OWNED BUILDINGS		
Avg Building Age		45	5 Years
Total Building Size		61,637,755	5 GSF

	+ BE	ST					WC	DRST =
Functional Condition		А	В	С		F	1	T
Physical Condition		i	ii	iii		V	vi	vii
Demolition						() GS	F
New Construction						() GS	F
Renovation					-	Varie	s GS	F



- 30-year Bonding Cost \$
- Seg Fee/Rate Increase \$
 - Oper Budget Impact \$
- 0 vs. 20-year Bonds
- N/A Annual
 - 0 Annual 0.00 FTE

PRIORITY UW SYSTEM

\$38,000,000 GFSB

INSTRUCTIONAL SPACE PROJECTS PROGRAM FUNDING

\$38,000,000



Program Intent:

To provide funding for Board of Regents-owned institutions to repair, renovate, and upgrade the physical condition and instructional capabilities of classroom and laboratory environments. These projects address deficiencies that severely inhibit instructional efforts and provide updated academic space to serve the needs of modern learning and teaching methodologies.

Summary:

There are ten instructional space projects funded by this program in 2019-21.

- Eight laboratory renovation projects at EAU, GBY, LAX, MIL, OSH, STO, and WTW include three STEM labs, four Fine Arts labs, and one Physical Education lab. Lab upgrades include:
 - cabinets, sinks, and ceiling and floor finishes, and wall configurations for improved room sizing;
 - electrical power and lighting; and
 - HVAC, fume hoods and plumbing systems.
- Two classroom renovation projects at MIL and MSN include one that renovates three underutilized classrooms into an active learning classroom. Upgrades include:
 - ceilings and wall finishes;
 - lighting, electrical, and HVAC systems;
 - A/V equipment; and
 - new equipment and classroom furniture.





ACA	DEM	IC BL	JILD	INGS				
Avg Building Age						61	Yea	rs
Total Building Size				2	0,87	1,003	B GSF	2
	← BES	ST				-	WO	RST =
Functional Condition		А	В	С		F	1	
Physical Condition	-	i	ii	iii		V	vi	vii
Demolition						() GSF	5
New Construction						() GSF	Ξ
Renovation					9	3,353	B GSF	-



08/03/18

0.00 FTE

PRIORITY UW-MILWAUKEE



CHEMISTRY BUILDING/CENTRAL UTILITIES EXTENSION

\$129,535,000



Project Intent:

To construct a new academic and research chemistry and bio-chemistry facility with associated utility systems to replace the obsolete 1972 Chemistry Building. More than 2,400 students take undergraduate chemistry during the academic year and the current facilities limit the capacity of the courses and don't provide a safe environment for modern chemistry instruction.

Summary:

The project:

- provides labs for undergraduate STEM research;
- locates instructional space close to research areas to allow sharing of specialized equipment, operational oversight and facilitate increased role of undergraduate research in STEM education ;
- creates collaborative areas where specialized equipment will be shared among instructional and research laboratories;
- extends to and connects utilities from Kenwood Interdisciplinary Research Center for shared service and support; and
- evaluates the existing Chemistry Building for
- short-term renovations to alleviate dire
- conditions of instructional spaces until the new facility is available.

	30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
	Seg Fee/Rate Increase	\$ N/A	Annual	
✓	Oper Budget Impact	\$ 960,000	Annual	5.00 FTE



Building Age Building Size Functional Condition Physical Condition Demolition

New Construction

Renovation

(Chemistry Building) 46 Years 149,596 GSF





PRIORITY UW SYSTEM



CENTRAL UTILITY REPAIRS, RENOVATIONS, AND REPLACEMENTS

\$54,009,000



\$35,557,000 GFSB and \$18,452,000 PRSB

Project Intent:

To repair, renovate, and replace aged utility systems for reliable infrastructure at UW-Eau Claire, UW-Madison, UW-Oshkosh, and UW-Whitewater.

Summary:

- EAU Lower Campus Chiller & Cooling Tower Replacement:
 - Replaces existing lower campus 65-ton chiller with a 1,400-ton unit and improves cooling tower capacity.
- EAU Upper/Lower Campus Steam Utility Replacement:
 - Replaces underground steam lines, condensate lines, concrete box conduit, and steam pits.
- MSN Bascom Hill/Lathrop Dr. Utility Replacement, Phase II:
 - Creates new multi-discipline east-west utility corridor from Chamberlain Hall and Sterling Hall to Park Street along Lathrop Drive. Replaces civil and electrical utilities and installs mechanical utilities in new enclosures.
- OSH Heating Plant Chiller & Cooling Tower Replacement:
 - Updates the chiller plant capacity to allow additional facility connections to the chilled water system.
- WTW Heating Plant Boilers Fuel Retrofit:
 - Installs new fuel oil burners on boilers #1 and #2 and updates boiler parts for safe, reliable steam production.

30-year Bonding Cost	
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Seg Fee/Rate Increase \$

Oper Budget Impact \$



Average Age						45	5 Yea	rs
All Buildings				6	1,63	7,755	5 GSI	F
	+ BES	ST					WC	ORST ⇒
Functional Condition		А	В	С		F	I	T
Physical Condition		i	ii	iii	iv	V	vi	vii
Demolition						() GSI	E
New Construction						() GSI	F
Renovation						() GSI	F



4 FTE

0 vs. 20-year Bonds

N/A Annual

575,000 Annual

PRIORITY UW-PARKSIDE

CAMPUS FIRE ALARM SYSTEM RENOVATION

\$6,773,000

\$5,554,000 GFSB and \$1,219,000 PRSB

Project Intent:

To replace and augment the campuswide fire alarm and smoke detection system to meet current life safety code and accessibility standards, improve reliability, and reduce operational maintenance costs.

Summary:

These systems and devices are more than 15 years old and have exceeded their useful life. Multiple communication issues occur on a weekly basis, typically lasting one to three minutes in duration.

- completes project work in all 21 major campus facilities, including the 5 interconnected core facilities;
- replaces and installs new as required:
 - central and building annunciator panels,
 - pull stations,
 - heat and smoke detectors, and
 - speaker/strobe signal devices;
- interfaces elevator controls with new control panels; and
- installs new telecommunication risers for required capacity.





Avg Building Age					35 Years				
Building Size				Varies GSF					
← BEST							WC	ORST ➡	
Functional Condition		А	В	С		F	I		
Physical Condition		i	ii	iii		V	vi	vii	
Demolition						() GS	F	
New Construction	0 GSF								
Renovation					1.430.832 GSF				



PRIORITY UW-STOUT

\$35,015,000 PRSB



SOUTH HALL ADDITION & RENOVATION

\$35,015,000



Project Intent:

To comprehensively renovate the South Hall student residence facility to provide programatic and infrastructure upgrades for improved functionality, efficiency, accessibility, and building code compliance. Residence halls provide space where students can live in a safe, positive environment that contributes to both academic and social well being.

Summary:

The project:

- renovates the four-story, 366-bed, 1960s residence hall configured in three building cubes:
- provides programmatic and infrastructure upgrades;
- builds additions to house expanded restrooms, an elevator, restrooms, an elevator and circulation stairs;
- creates an accessible entrance;
- expands and remodels bathrooms into shared commons, lounge and kitchen spaces;
- installs new exterior windows and doors;
- replaces obsolete mechanical, telecom, security, and life-safety systems;
- + improves the fire alarm and smoke detection system for code compliance; and
- replaces the roof and repairs the exterior envelope.

30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
Seg Fee/Rate Increase	\$ N/A	Annual	
Oper Budget Impact	\$ 49,260	Annual	0.50 FTE



Building Age				
Building Size				
	← BES	т		
Functional Condition	_		В	
Physical Condition				
Demolition				
New Construction				
Renovation				

51 Years 75,844 GSF WORST =

	D	U				
Ì	ii		V	Vİ	Vİİ	
			() GS	F	
		1	3,800) GS	F	
		7	5,844	4 GS	F	



PRIORITY UW-MILWAUKEE

STUDENT UNION RENOVATION

\$40,723,000

\$35,000,000 PRSB and \$5,723,000 CASH

Project Intent:

To repair and renovate select portions of the Student Union to correct significant infrastructure deficiencies, and address the most critical systems and maintenance needs, architectural configuration, and energy performance issues.



Summary:

The project will address deficiencies such as:

- inadequate, inflexible areas of student study/ lounge, recreation, dining, and open space;
- inadequate structural system and low floor-tofloor heights;
- obsolete building infrastructure;
- limited accessibility;

30-year Bonding Cost \$

Seg Fee/Rate Increase \$

Oper Budget Impact \$

- only one passenger elevator and an undersized freight elevator;
- + poor wayfinding and paths of egress;
- areas that lack fire suppression;
- deteriorated exterior envelope;
- + electrical transformers at end-of-life cycle; and
- inability to meet current building and life safety code standards.

Building Age Building Size					32-56 Years 351,632 GSF			
+	BEST		WORST =					
Functional Condition	А	В			F	I		
Physical Condition	i i	ii			V	vi	vii	
Demolition					() GSI	=	
New Construction	0 GSF						-	
Renovation				20	3,400) GSI	E	



0.00 FTE

0 vs. 20-year Bonds

150 Annual

0 Annual

PRIORITY UW-MADISON

SELLERY HALL ADDITION & RENOVATION

\$78,811,000

\$59,108,000 PRSB and \$19,703,000 CASH

Project Intent:

To comprehensively renovate the high-rise Sellery Hall student residence facility with programatic and infrastructure upgrades and construct a new circulation core and two additional resident floors to provide space for 250 additional beds.

Summary:

The Sellery and Witte Halls Renovation project was enumerated in 2013-15. When it was determined that the Witte portion would cost more than anticipated, the Sellery portion was pulled from the project, to be brought forward for separate enumeration at a future date.

- connects both buildings with a new central circulation core addition with 3 new elevators;
- provides new accessible building entrance;
- expands common space and bathrooms;
- replaces mechanical, electrical, plumbing, telecom, security, and life safety systems;
- adds individual room temperature controls and centralized cooling;
- replaces roof and exterior windows;
- upgrades and constructs classrooms, and resident life areas; and
- provides students with a safe, positive environment that contributes to both academic and social well being.

30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
Seg Fee/Rate Increase	\$ N/A	Annual	
Oper Budget Impact	\$ 290,000	Annual	3.00 FTE







PRIORITY UW-LA CROSSE

PRAIRIE SPRINGS SCIENCE CENTER, PHASE II

\$83,020,000

\$78,140,000 GFSB and \$4,880,000 BTF

Project Intent:

To construct the second phase of the Prairie Springs Science Center project and provide studentcentered, technology-rich spaces that are configured to maximize collaborative learning and meet the demands of increased enrollment.

Summary:

- completes construction of the science center to house new instructional and research labs, classrooms, a greenhouse observatory, maker space, and offices;
- provides a 72-station active learning classroom and additional medium sized classrooms;
- creates shared space for collaborative learning;
- creates instructional labs for Botany, Chemistry, Geographic Information Systems, Mathematics, Medical Mycology, and Science Education Methods; and
- demolishes outdated Cowley Hall
 - structurally incapable of being effectively renovated to meet its intended function;
 - architectural, mechanical electrical/telecom, plumbing, and life safety systems are beyond their expected life spans and require replacement.
- Total Prairie Springs Science Center
 Phase I = \$82M + Phase II \$83M = \$165M

30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
Seg Fee/Rate Increase	\$ N/A	Annual	
Oper Budget Impact	\$ 237,327	Annual	2.00 FTE



Building Age Building Size		(Cov	vley I	Hall) 4 17	48-53 6,97(3 Yea) GSI	rs =
	← BEST					WO	RST 🔿
Functional Condition	А	В	С		F		
Physical Condition	i.	ii	iii		V	vi	vii
Demolition	(0	Cowle	ey Ha	ll) 17	6,970) GSF	-
New Construction				17	1,900) GSF	-
Renovation					() GSF	-



PRIORITY UW-MADISON

VETERINARY MEDICINE ADDITION & RENOVATION

\$128,103,000

\$88,656,000 GFSB; \$38,000,000 GIFTS; and \$1,447,000 BTF

Project Intent:

To expand the clinical and research facility and renovate portions of the animal hospital to resolve deficiencies, meet accreditation standards, and provide spaces designed for technologies and practices currently implemented within the program.

Summary:

- supports the veterinary medical teaching hospital, UW-Veterinary Care, and research and instructional space;
- constructs new research, biosafety labs, offices, conference rooms, and collaboration areas for the teaching hospital;
- constructs space for specialty research such as human vaccinations for rare viruses and other emerging diseases;
- builds space for a small animal clinic;
- provides collaborative flexible instructional and research space;
- expands clinical space to:
 - increase number of surgery environments,
 - provide horse and cattle imaging space, and
 - separate medical oncology services;
- creates additional space for:
 - classrooms,
 - student work center diagnostics, and treatment planning; and demolishes three Charmany buildings.

	30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
	Seg Fee/Rate Increase	\$ N/A	Annual	
✓	Oper Budget Impact	\$ 1,931,066	Annual	2.00 FTE







PRIORITY UW-LA CROSSE

COATE HALL/SANFORD HALL ADDITIONS & RENOVATIONS

<u>\$15,251,</u>000

\$13,251,000 PRSB and \$2,000,000 CASH

Project Intent:

To make selective renovations to the Coate and Sanford 1960s era residence halls (combined 620bed capacity) as part of the university's multi-biennia plan for residence hall upgrades. These programmatic and infrastructure improvements will increase functionally, efficiency, and building code compliance and provide students with a better residence hall life experience.

Summary:

This project continues the planned renovations of the eight original low-rise student residences.

- constructs an elevator core addition for each 4-story building to improve accessibility;
- reconfigures restrooms on each floor for students' modern expectations of privacy and greater accessibility;
- upgrades telecom and electrical systems for additional flexibility and capacity;
- adds a new fire suppression system and affiliated domestic water system to serve it; and
- upgrades fire alarm and smoke detection systems to latest building codes and standards.



Building Age						51-52	2 Yea	rs
Building Size				121,622 GSF				
	← BES	т					WC	RST ⇒
Functional Condition		А	В	С	D	F	I	
Physical Condition		i	ii	iii	iv	V	vi	vii
Demolition						() GSI	=
New Construction			5,000 GSF					
Renovation					12	1,622	2 GSI	F



	30-year Bonding Cost	\$ 0	vs. 20-year Bonds
	Seg Fee/Rate Increase	\$ N/A	Annual
✓	Oper Budget Impact	\$ 10,371	Annual 0.00 FTE

PRIORITY UW-LA CROSSE

GRAFF MAIN HALL HVAC SYSTEM RENOVATION

12 \$13,822,000

\$13,822,000 GFSB



Project Intent:

To address aging building infrastructure by constructing a heating and ventilation upgrade project for the 109-year-old Graff Main Hall to replace obsolete and failed equipment.

Summary:

This facility has had no significant capital investment since 1979, when it was completely renovated, and the building infrastructure is at the end of its useful life.

The project:

- replaces outdated equipment;
- repairs existing non-functional ductwork and equipment;
- installs new variable air volume system with reheat and terminal units;
- replaces two handling units;

30-year Bonding Cost \$

Seg Fee/Rate Increase \$

Oper Budget Impact \$

- installs the following new equipment: eight exhaust fans, a central hot water heating system, variable frequency drives, and motor starters;
- improves cooling for data/telecom rooms; and
- provides updated ventilation controls;
- includes components for increased energy efficiency.



Building Age						109	9 Yea	rs
Building Size					15	3.917	7 GSI	-
	← BE	ST					WC	RST ➡
Functional Condition		А	В	С		F	I	
Physical Condition				iii	iv			
		-						
Demolition						() GSI	-
New Construction		0 GSF						
Renovation					15	3,917	7 GSI	=



0 vs. 20-year Bonds

N/A Annual

17,103 Annual

PRIORITY UW-STEVENS POINT STUDENT HEALTH & WELLNESS CENTER \$32,500,000 \$25,200,000 PRSB and \$7,300,000 CASH

Project Intent:

To construct a new student health and wellness center to address the need of students for health, counseling, and wellness programs that is not achievable in the center's current home, 67-year-old, Delzell Hall, a deficient and inadequate facility.

Summary:

The new facility will be constructed either as a standalone building on the northeast quadrant soccer field or as an addition to the Health Enhancement Center, new soccer, rugby, softball, and football practice fields will be added.

The project:

- constructs a gym with
 - an indoor jogging track;
 - fitness space for cardio, strength and group fitness, and
 - locker rooms and staff offices;
- provides space for Student Health Services and the Counseling Center/Testing Services;
- supports the university's Healthy Communities Initiative; and
- includes construction of underground utility extensions to the new facility.

In response to decreased enrollments, the university has reduced the scope of work and budget estimate to address student health and wellness programs.

✓	30-year Bonding Cost	\$ 10,225,560	vs. 20-year	Bonds
	Seg Fee/Rate Increase	\$ 234	Annual	
✓	Oper Budget Impact	\$ 510,000	Annual	6.00 FTE







PRIORITY UW-EAU CLAIRE

SCIENCE/HEALTH SCIENCE BUILDING, PHASE I

4 \$109,000,000

\$93,250,000 GFSB; \$2,041,000 CASH; and \$13,709,000 GIFTS



Project Intent:

To construct the first phase of a science and health science facility replacement project that will support modern science education and provide a new home for the Chemistry, Materials Science and Engineering, Physics & Astronomy, and Psychology programs that meets the requirements of a comprehensive science facility.

Summary:

This is the first phase of a two-phased project. The project:

- constructs STEM instructional and lab space to prepare students for workforce need;
- meets the needs of student laboratory experience and matches the needs of increased computing and instrumentation requirement;
- supports partnerships by constructing a Mayo Clinic research lab suite;
- creates a nursing simulation lab;
- replaces outdated lab and instructional space with a collaborative active learning environment with flexible furnishings, technology integration, and increased computing capability;
- corrects structural and design shortcomings of the existing science facility by incorporating a fire suppression system, structural fire compartmentalizations, and code compliant hazardous materials storage; and
- + demolishes two outdated residence halls.

30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
Seg Fee/Rate Increase	\$ N/A	Annual	
Oper Budget Impact	\$ 221,000	Annual	3.00 FTE







PRIORITY UW-MADISON

GYMNASIUM/NATATORIUM REPLACEMENT

1 5 \$126,391,000

\$91,991,000 PRSB and \$34,400,000 GIFTS

Project Intent:

To demolish the original 1962 gymnasium/ natatorium facility that no longer adequately supports the current or future space needs of Recreation Sports and construct a replacement facility on the same site.

Summary:

The mechanical system controls, electrical power, lighting, and telecom systems are obsolete, not energy efficient, and require replacement. Upgrades to those systems are infeasible because of age, the prohibitive cost, and a lack of the required space.

The original facility was constructed to host menonly physical education classes and activity. Today's annual participation includes 1.5 million campus users and 100,000 users from hosted events.

The project constructs a replacement facility that provides space for:

- a wellness center for student Recreational Sports;
- a new gift-funded ice arena that replaces the Camp Randall Sports Center sheet of ice;
- basketball courts, an indoor track, fitness space,
- and racquetball courts; and
- enhanced activity areas that will generate additional revenue for the Recreational Sports program.

30-year Bonding Cost	\$ 37,327,759	vs. 20-year Bonds	
Seg Fee/Rate Increase	\$ 114.38	Annual	
Oper Budget Impact	\$ 1,306,000	Annual 1.00 FT	Έ



Building Age Building Size	2		-	24	56 9,579	6 Yea 9 GSI	rs =
	← BEST					WC	RST 🔿
Functional Condition	А	В	С		F	I	
Physical Condition	i	ii	ii		V	vi	vii
Demolition	(Existi	ng Bu	uildin	g) 24	9,579	9 GSI	=
New Construction				26	2,108	B GSI	F
Renovation					() GSI	F



PRIORITY UW-LA CROSSE

FIELDHOUSE & SOCCER SUPPORT FACILITY

16 \$49,035,000

\$24,517,500 PRSB and \$24,517,500 CASH

Project Intent:

To provide a new fieldhouse with a NCAA-compliant track and a soccer support facility. It provides for the continued growth in the academic programs and the lab work of the Exercise and Sports Fitness Program.

Summary:

- + constructs a new fieldhouse that includes:
 - 200-meter NCAA competition indoor track having seating for 1,500 plus spectators,
 - all sport surface infield,
 - walking/jogging track on second level,
 - four NCAA competition indoor tennis courts,
 - locker rooms, showers, meeting, training, and equipment storage rooms;
- constructs a new soccer support facility that includes areas for:
 - a press box, concessions, restrooms, equipment storage, and first aid/training;
- allows relocation of space within Mitchell Hall for gymnastics and wrestling, and provides academic space for the Exercise and Sports Science Program;
- provides an increase in instructional space from 75,000 SF to 144,000 SF in Mitchell Hall at the completion of the project; and
- extends underground utilities to the proposed site.

✓	30-year Bonding Cost	\$ 9,948,618	vs. 20-year	Bonds
✓	Seg Fee/Rate Increase	\$ 132	Annual	
	Oper Budget Impact	\$ 476,328	Annual	3.00 FTE







PRIORITY UW-MADISON

KOHL CENTER ADDITION & RENOVATION

\$48,074,000

\$33,974,000 PRSB; \$4,100,000 CASH; and \$10,000,000 GIFTS

Project Intent:

To construct an addition over the loading dock to provide space for strength and conditioning, sports medicine, academics, and administrative functions and renovate space to expand locker rooms, media areas, club rooms and kitchen space.

Summary:

The Kohl Center is the central hub of student athletes in the basketball, hockey, swimming, and diving programs. The undersized academic services, dining, and sports performance areas require expansion to meet program needs.

The project provides additional student athlete space for:

- tutoring and academic services by expanding the Academic Center for 10 tutoring areas, classrooms, and a computing lab;
- creating a new Nutrition Center with dining near coaching and training areas (per NCAA),
- enlarging training & sports rehabilitation areas;
- centralizing basketball practice courts; relocating swimming/diving offices to the Kohl Center for student-athlete development;
- creating a new unit for diversity and inclusion; and
- expanding media services to incorporate new social technologies and platforms.

30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
Seg Fee/Rate Increase	\$ N/A	Annual	
Oper Budget Impact	\$ 790,605	Annual	2.00 FTE



Building Age Building Size				47.	22 2,906	2 Yea 6 GSI	rs =
	+ BEST					WC	RST ➡
Functional Condition	Α	В	С		F		
	_						
Physical Condition	i i	ii	iii		V	vi	vii
Demolition					() GSI	
New Construction		42,000 GSF					
Renovation		27,000 GSF					





Project Intent:

To construct a new four-story, 300-bed semi-suite style residence hall to keep pace with student expectations and alleviate five consecutive years of occupancy overflow. Residence halls provide space where students can live in a safe, positive environment that contributes to both academic and social well being.

Summary:

The Housing occupancy rate is 114% of capacity, achieved through the conversion of lounges to resident rooms and 356 double-occupancy rooms into triple-occupancy rooms.

Construction of a new hall will facilitate the renovation of eight original and outdated low-rise residence halls.

- constructs a four-story, 111,800 GSF residence hall that provides:
 - double occupancy rooms,
 - shared bathrooms,
 - common space for lounges, kitchens, and collaborative learning rooms,
 - individual rooms for resident assistants, and
 - telecommunication rooms; and
- includes additional spaces such as:
 - a multi-purpose/TV room, hall director's apartment, mail room, and laundry.

✓	30-year Bonding Cost	\$ 16,679,025	vs. 20-year	Bonds
	Seg Fee/Rate Increase	\$ N/A	Annual	
✓	Oper Budget Impact	\$ 539,144	Annual	3.00 FTE







PRIORITY UW-MADISON

CAMP RANDALL STADIUM RENOVATION/FIELD HOUSE REPAIRS

\$77,646,000

\$68,046,000 PRSB; \$6,600,000 CASH; and \$3,000,000 GIFTS



Project Intent:

To renovate the football stadium to provide premium seating in the main bowl, repair the fieldhouse exterior envelope, upgrade the press box, and replace the synthetic turf in the stadium and the McClain athletic training facility.

Summary:

The new upgrades will provide enhanced fan amenities and opportunities for additional revenue, to meet premium seating requests.

The project:

- replaces about half the south end zone bleachers with field level and loge level premium, and exterior terrace club spaces that include new food preparation/serving, storage, and restroom areas;
- installs new mechanical, electrical/telecom, and plumbing systems;
- upgrades field level underground civil, electrical/telecom, and mechanical utility infrastructure;
- replaces field turf in both the stadium and the McClain Center;
- upgrades the press box with new finishes and technology; and
- restores the north façade walls and windows of the Field House.
- 30-year Bonding Cost \$

0 vs. 20-year Bonds

Seg Fee/Rate Increase \$

N/A Annual

943,152 Annual

Oper Budget Impact \$





Building Age					89	7-102	2 Yea	rs
Building Size		665,128 GSF						-
	🗲 BES	т					WC	RST ➡
Functional Condition		А	В	С		F	I	
Physical Condition	_	i	ii	iii		V	vi	vii
Demolition						() GSI	-
New Construction					2	7,800) GSI	=
Renovation					34	4,100) GSI	Ξ



2.00 FTE

PRIORITY UW-MILWAUKEE KLOTSCHE CENTER ANNEX ADDITION \$7,000,000 CASH

Project Intent:

To construct a gymnasium and a shell space annex addition to the east of the Klotsche Center to meet the need of students for expanded athletic and recreational facilities.

Summary:

The university's recreational facilities use has increased more than 100% during the last decade, and intramural participation has grown 97%.

- constructs a one-court gymnasium and shell space (unfinished space enclosed with exterior building shell) for future multi-purpose, fitness, and strength/conditioning areas;
- builds an enclosed elevated bridge to connect the annex to the Pavilion building, so underground utilities and the roadway serving the parking ramp can remain undisturbed;
- benefits campus athletics, recreational sports clubs, and intramurals by reducing overcrowding of existing facilities; and
- provides facilities comparable to those of other Division I universities in the Horizon League.



Building Age Building Size					25	15-43 9,769	3 Yea 9 GSI	rs F
	← BES	Г					WC	ORST ➡
Functional Condition		А	В	С		F	1	
Physical Condition		i	ii	iii		V	vi	vii
Demolition						C) GSI	F
New Construction					1	6,400) GSI	-
Renovation						C) GSI	F



	30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
✓	Seg Fee/Rate Increase	\$ 29	Annual	
	Oper Budget Impact	\$ 84,750	Annual	0.00 FTE

PRIORITY UW-RIVER FALLS

SCIENCE & TECHNOLOGY INNOVATION CENTER

\$110,932,000

\$104,291,000 GFSB and \$6,641,000 BTF

Project Intent:

In 2021-23, to construct a science and technology replacement building to support modern science education, address the shortcomings of campus science facilities.

Summary:

Enumeration for planning in 2019-21 and advanced enumeration for construction in 2021-23.

Relocates science departments from substandard Centennial Hall, a building that is structurally and spatially incapable of providing adequate STEM instructional and laboratory research space.

- constructs new home for Biology, Chemistry, Physics, and Psychology departments and various science and agriculture programs;
- features 12 flexible undergrad instructional lab suites, active learning studios, undergrad and faculty research areas, and interdisciplinary space;
- includes Business Collaboration Innovation Suite - collaborative space for product innovation with business partnerships;
- incorporates a fire suppression system, safe chemical storage areas, and 16-foot floor-tofloor infrastructure; and
- demolishes outdated Hagestad Hall.

	30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
	Seg Fee/Rate Increase	\$ N/A	Annual	
\checkmark	Oper Budget Impact	\$ 219,676	Annual	3.00 FTI







PRIORITY UW-EAU CLAIRE

SCIENCE/HEALTH SCIENCE BUILDING, PHASE II

22 \$147,152,000

\$136,905,000 GFSB and \$10,247,000 BTF

Project Intent:

In 2021-23, complete construction of the second phase of a science and health science replacement facility that will support modern science education and provide a new home for the Biology, Computer Science, Geography and Anthropology, Geology, and Watershed programs, and demolish the current obsolete science building.

Summary:

Enumeration for planning in 2019-21 and advanced enumeration for construction in 2021-23. This is the second phase of of a two-phased project.

Instructional spaces will be sized to accommodate flexible furnishings, space planning standards for STEM lab facilities and increased computing and instrumentation requirements. Every student is required to take at least two natural science classes, and at least one must include a lab experience.

- creates flexible, sharable instructional labs to maximize space utilization;
- provides modern 16-foot floor-to-floor clearance to accommodate future renovation;
- provides energy efficient exterior building envelope and fire suppression system; and
- demolishes 1960s Phillips Hall, the current science facility, and restores the site to green space.

30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
Seg Fee/Rate Increase	\$ N/A	Annual	
Oper Budget Impact	\$ 0	Annual	0.00 FTE







PRIORITY UW-MILWAUKEE ENGINEERING BUILDING /CENTRAL UTILITIES EXTENSION 223 \$103,258,500 \$95,417,000 GFSB and \$7,841,500 BTF

Project Intent:

In 2021-23, to construct an academic facility and the associated utility extensions to provide partial replacement of the Engineering Building to meet the needs of today's engineering students and faculty, provide a home for the Biomedical Engineering program, and instructional space for other engineering programs. The project demolishes the outdated Physics Building, and provides space to relocate engineering programs from the overcrowded Engineering and Math Sciences building, which is in need of renovation.



Summary:

Enumeration for planning in 2019-21 and advanced enumeration for construction in 2021-23.

The project:

- constructs new space for data analysis, visualization (including virtual and mixed reality), machine learning, and artificial intelligence;
- creates new instructional spaces for electrical, environmental industrial, and mechanical engineering programs;
- provides collaborative, technology-rich instructional and research environments; and
- includes a 16-foot floor-to-floor height structural system capable of flexible floor layouts

30-year Bonding Cost	\$ 0	vs. 20-year	Bonds
Seg Fee/Rate Increase	\$ N/A	Annual	
Oper Budget Impact	\$ 670,000	Annual	3.50 FT

Building Age	
Building Size	
	🗲 BEST
Functional Condition	А
Physical Condition	i
Demolition	(Physics
New Construction	

Renovation

(EMS Building) 50 Years 251,520 GSF



(Physics Building) 108,329 GSF 90,000 GSF 0 GSF



PRIORITY UW-MADISON

ENGINEERING BUILDING **24** \$145,756,000

\$68,872,500 GFSB; 2,915,000 CASH; \$68,872,500 GIFTS and \$5,096,000 BTF

Project Intent:

In 2021-23, replace an aged engineering building at 1410 Engineering Drive with a modern facility that will meet the need of today's engineering students and faculty and provide a home for the Chemical and Biological Engineering program.

Summary:

Enumeration for planning in 2019-21 and advanced enumeration for construction in 2021-25.

The project demolishes the original 1938, 1410 Engineering Drive structure, which was designed as a transportation building and is completely ill-suited to continue as a modern STEM facility.

The project:

- constructs a new eight-floor (six above grade, two below) facility having 25,000 ASF of shell space for future growth;
- builds new instructional labs that will emphasize learning by integrating instrumentation and technology into the learning environment;
- provides versatile, reconfigurable, active labs and learning areas for small and large groups;
- creates interactive collaboration areas for research teams and shared programs to encourage innovation; and
- provides a flexible two-story instructional lab to support the full curriculum range.

_				
	30-year Bonding Cost	\$ 0	vs. 20-ye	ar Bonds
	Seg Fee/Rate Increase	\$ N/A	Annual	
✓	Oper Budget Impact	\$ 2,144,903	Annual	9.00 FTE



Building Age Building Size Functional Condition Physical Condition (1410 Engineering Dr.) 80 Years 63,561 GSF ← BEST WORST -



Renovation





PRIORITY UW-WHITEWATER WINTHER HALL ADDITION & RENOVATION 255 \$42,680,500 \$41,060,000 GFSB and \$1,620,500 BTF

Project Intent:

To renovate Winther Hall for the College of Education and Professional Services to solve space and building infrastructure deficiencies, improve instructional and departmental spaces and increase technology capabilities and capacity throughout the facility. The project constructs a small addition to provide accessible restrooms, improve vertical circulation, and create collaboration spaces on each floor. Current instructional spaces do not support contemporary teacher education.

Summary:

Enumeration for planning in 2019-21 and advanced enumeration for construction in 2021-23.

- renovates the circulation core to eliminate obsolete, inaccessible restrooms;
- provides additional space for expanded classrooms, instructional and computing laboratories, observation rooms, and an advising center;
- reconfigures and expands 18 classrooms, 2 lecture halls, and 7 labs for modern technology and flexible furnishings;
- replaces MEP systems;
- increases telecom and electrical power;
- repairs roof, installs windows; and
- upgrades fire alarm & smoke detection systems and all architectural finishes.

30-year Bonding Cost	\$ 0	vs. 20-year	r Bonds
Seg Fee/Rate Increase	\$ N/A	Annual	
Oper Budget Impact-WTW	\$ 32,029	Annual	0.25 FTE



Building Age					7	49 7 010	Yea	rs =
Building Size	← BES	ST			,	,010	wo	RST =
Functional Condition		A	В		D	F	I	
Physical Condition		i	ii			v	vi	vii
Demolition 0 GSF						=		
New Construction 11,000 GSF					-			
Renovation					7	7,010) GSF	-

