

## University of Wisconsin-Madison Campus Planning Committee

October 31, 2019



## Agenda Overview

- Welcome & Introductions
- Old Business
  - Approval of Minutes (October 17, 2019)
- New Business
  - Design Review Board Appointment CPC Representative
- Capital Budget Presentation
  - Libraries
  - School of Nursing
  - School of Business
  - Recreation & Wellbeing
- Announcements / Upcoming Meetings Reminder



## **UW-Madison Libraries** 2021-27 Six-Year Capital Plan Request

Lisa Carter, Vice Provost for Libraries
Campus Planning Committee Meeting
October 31, 2019

### **UW-Madison Libraries Overview**

- ✓ Campus partnerships sustainable solutions
- ✓ Inspirational environments drive productivity



### **An Essential Resource**

### **Yearly Visits**

- •3+million overall
- •300,000+ @ infolabs

#### **Volumes Held**

- •11+million print
- •1.8+million ebook

### Instructions / Year

- •1,653 sessions
- •30,936 participants

### Study Rooms / Year

•238,000 reservations



### A Master Plan

Ties together strategic planning, consolidation, and innovations

Provides a long-term plan to guide the future of our complex library system

Suggests solutions for efficiency, cost reduction, stewardship, and improved outcomes



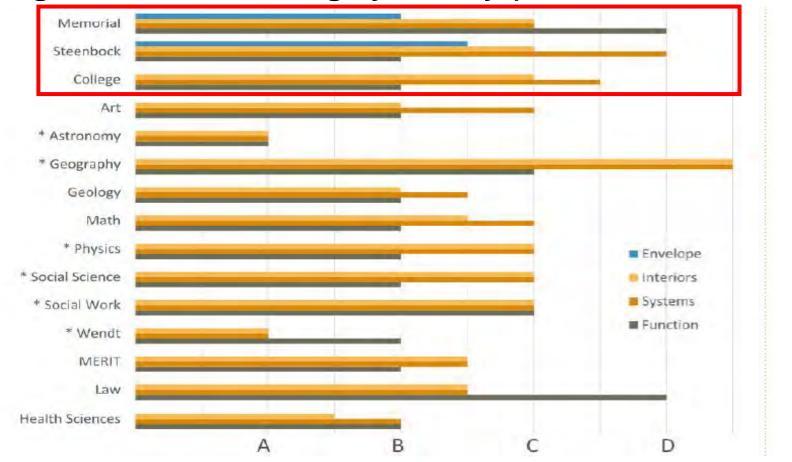
### **Current Facilities**

**5 of 15** Libraries received a Facilities Condition Index grading of **C or less** 

Significant need to upgrade and improve spaces

Deferred maintenance, underutilized spaces, aging infrastructure, dated configurations no longer meet needs of students, faculty, and staff

### Average Condition Grading by Library (A = Good, D = Poor)



### Space Ceded for Campus Needs (approx. 89,329 sq. ft.)

Chemistry: 6,800

• Grainger: 4,821

Memorial: 6,392

• Astronomy: 1,979

Geography: 8,149

Social Science: 2,957

• Math: 6,986

Wendt: 52,723

### **Libraries Facilities Master Plan**

- 4 hubs (red); 2 professional (purple)
- Locations provide consistent basic services + specialized expertise

### **6 Campus Libraries**

### **Memorial Hub Library**

- Special Collections
- University Archives
- Arts, Humanities and Social Sciences

### College Hub Library

Undergraduate

### **Steenbock Hub Library**

STEM

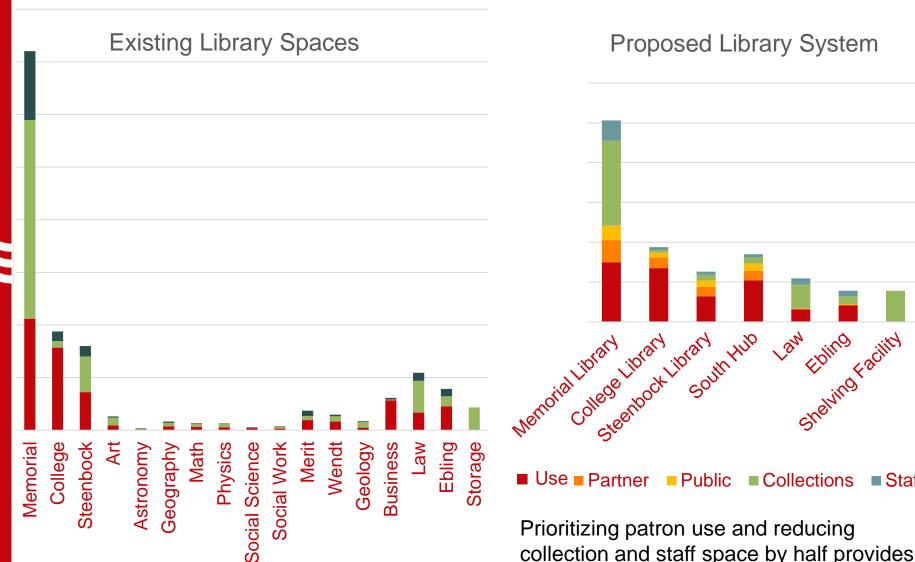
South Hub Library Ebling HSLC

Law



Dependencies: Verona Expansion, Memorial Reconstruction, South Hub Library

## **Rethinking Library Space**



Prioritizing patron use and reducing collection and staff space by half provides a net space reduction on campus of 24% (187,900 SF approx.)



## Verona 2

Managed stewardship of collections enables responsive, user-oriented services

- On campus spaces can be updated for current scholarship practices
- University can realize sustainability, efficiency, and curatorial best practice

VSF

- •11,000 items added to Verona I/month
- 5 years: Time Verona I will reach capacity

MSF

 300,000 items stored at Middleton Shelving Facility could move to new VSF, freeing up 5,400 SF at MSF for campus use

Archives

 Incorporating Extension has eliminated remaining space for Archives/Records Management at Steenbock

## **Verona 2: Addressing Critical Needs**



### Libraries Commitment

Reduce on-campus storage by 62% to create active spaces

By 2020, the Libraries will free up space at **7**locations for departmental uses



## User and Collection Space Demands

2010 to 2015 we added **64,000** volumes / year to existing collections

Even with 2% annual decrease in print acquisitions, we will add 1.3 million volumes over 25 years



### Stewardship

 Distinctive collections are markers of great research libraries

\$862+ million of rare and irreplaceable research materials are held in subpar conditions

### Verona 2: \$11,024,000+ - GFSB

Facilities Master Plan est. design study currently in process for accurate estimate BIENNIUM TO START STUDY - 2019-2021
BIENNIUM TO START DESIGN / CONSTRUCTION - 2021-2023

## **AMP Library: Chamberlin Hall**

Reimagine as a destination space, centrally located:

- Newly consolidated AMP library to open in Chamberlin January 2020
- Underutilized: create flexible individual and group study space
- Deferred maintenance: fix noise, power, infrastructure, wayfinding
- Project outcome: Maximize reuse of existing facilities, cede space







AMP Renovation: \$1,643,400 - G-G / GFSB

Design study is currently in progress to generate a more accurate estimate BIENNIUM TO START STUDY - 2019-2021
BIENNIUM TO START DESIGN/CONSTRUCTION - 2021-2023

## **College Library Renovation**

### First impressions count:

- Early encounter with UW-Madison
- Heavily used, 24 hr destination
- Services focused on the undergraduate experience

### Partnerships:

- SOAR Academic Advising
- Classroom spaces (WisCEL, Media Studios, DesignLab)
- Academic services (Writing Center, GUTS)

#### Needs:

- Remodeling
- Modern, reconfigurable furniture



### College Library Renovation: \$10,399,000 - G-G / GFSB

Based on Facilities Master Plan accelerated costs estimate BIENNIUM TO START STUDY - 2019-2021 BIENNIUM TO START DESIGN/CONSTRUCTION - 2021-2023

## **Open Book Café Renovation**

- Co-curricular activities to broaden undergraduate experience
- Accommodate programming and meeting space for student organizations
- Align with the College Library's learning environment
- Catalyst for enhanced partnership with the Wisconsin Union



### Open Book Café: \$400,000+ - G-G / GFSB

Facilities Master Plan est. design study currently in process for accurate estimate BIENNIUM TO START STUDY - 2019-2021
BIENNIUM TO START DESIGN/CONSTRUCTION - 2021-2023

## **Rethinking Memorial Library**

## Current: heavily used, but underutilized, unsuitable

- 600,000+ people come through Memorial Library each year
- 8,364+ undergrads in 70 courses participate in instruction programs / year
- Poor lighting, confining, difficult way-finding, limited accessibility

## Future: dynamic, inspirational, open research destination

- 66,464 uses of new Graduate Room
- Research core for 43% of UW-Madison faculty

#### Possibilities!

- ✓ Research Commons
- ✓ Data management services center, research consultation center
- ✓ Digital humanities, visualization labs





## Memorial Library Renovations

### Phase 1:

Renovate **85,560** GSF of the original 1950's section



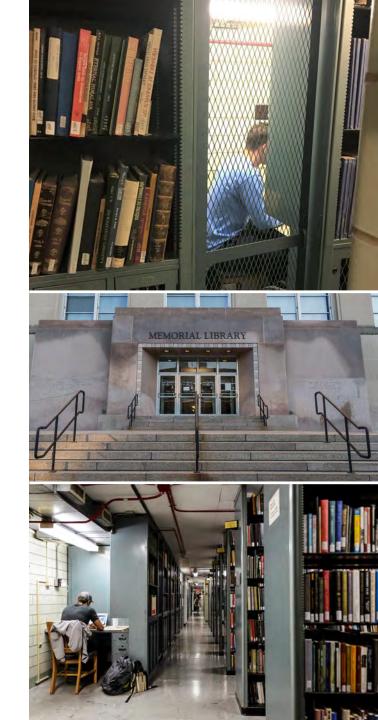
Accent historic features while enabling modern and future use



Create an open, vibrant, accessible, interdisciplinary intellectual hub



Provide a research commons: digital humanities and visualization labs, data management service center



## **Memorial Library Renovations**

### Phase 2:

### Stack Demolition

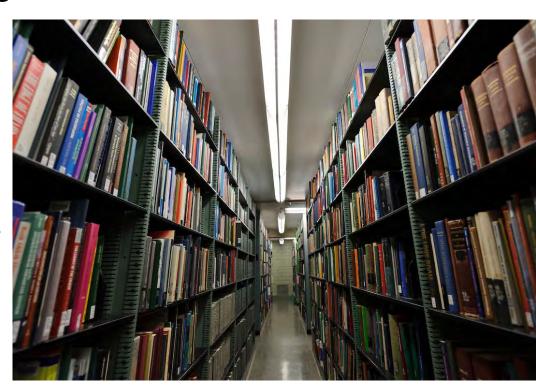
Demolish: 330,000 GSF

Renovate: 65,000 GSF

• Construct: **142,000** GSF

New stacks

Flexible spaces



### Memorial Library Phase 1: \$22,118,000 - G-G / GFSB

Entrance \$19,618,000 / West Corridor 2<sup>nd</sup> Floor \$2,500,000 BIENNIUM TO BEGIN STUDY - 2021-2023 / DESIGN/CONSTRUCTION - 2023-2025

Memorial Library Phase 2: \$52,074,000 - G-G / GFSB

Stacks

BIENNIUM TO BEGIN STUDY - 2023-2025 / DESIGN/CONSTRUCTION - 2025-2027

### The Future of University of Wisconsin-Madison Libraries

### **Mission and Vision**

- Lead the curation, preservation, and sharing of knowledge
- 2. Provide environments to inspire learning engagement, discovery
- 3. Deliver exemplary information services
- 4. Be essential partners in catalyzing discovery and scholarship
- Transform services to empower research, teaching and creativity

### **Major Project Priorities 2021-27**

- 1. Verona 2 Off-Site Shelving Facility
  - 31,000 GSF
  - \$11,024,000+
  - 2019-21: Study; 2021-23: Design/Const.

### 2. AMP Library: Chamberlin Hall

- 6,500 GSF
- \$1,634,000+
- 2019-21: Study; 2021-23: Design/Const.

### 3. College Library Renovation

- 33,000 GSF
- \$10,399,000+
- 2019-21: Study; 2021-23: Design/Const.

### 4. Memorial Renovations

- 537,000 GSF
- \$74,192,000
- 2021-23: Study Ph.1
   2023-25: Design / Construction Ph.1
- 2023-25: Study Ph. 2
   2025-27: Design/Construction Ph.2

## Questions?



## **School of Nursing** 2021-27 Six-Year Capital Plan Request

Linda D. Scott, Dean, School of Nursing Campus Planning Committee Meeting October 31, 2019

## School of Nursing (SoN) Overview

Strategic focus: Address critical needs for preparing nurse leaders for the future of care.

- Educate more qualified students for nursing profession
- Graduate more nurses to address gaps in workforce
- Increase faculty research in critical areas

### Signe Skott Cooper Hall (SSCH) opened in 2014; with:

- Space to accommodate projected 30% capacity growth in original (2014) structure; and
- Vision and infrastructure to support projected additional space needs with three additional floors.

### SSCH has met/exceeded projected 30% growth

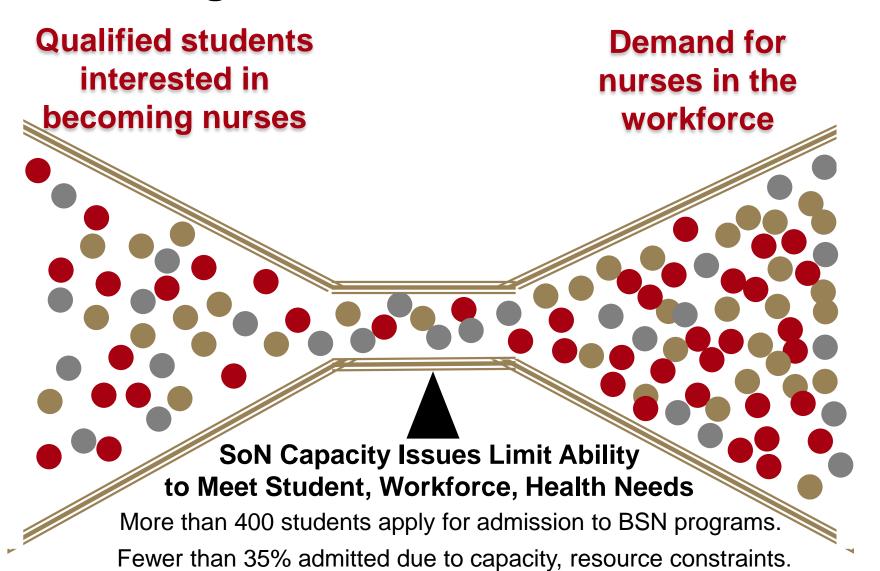
- Faculty/Staff: 37% growth by 2019; 50% projected growth by 2024
- Students: 28% growth by 2019; 58% projected growth by 2024

## Why is SoN Growth Urgent?

SSCH expansion fulfills vision for the building and enables SoN to meet nursing education, workforce, research, and health needs.

- State and national nursing workforce shortage requires educating and graduating more nurses.
- Qualified, interested pre-nursing students are denied admission to SoN due to capacity needs.
- Faculty recruitment, retention, teaching, and research in critical areas rely on facilities.
- SoN has added personnel to support programs and research growth.

## **Educating Students for the Future of Care**



Desired admission cohort size for traditional BSN program is an increase from 160 to 200 students; reflecting an increase of 25%

# Estimated Number of Nursing Graduates Needed Annually to Meet Projected Demand in Wisconsin

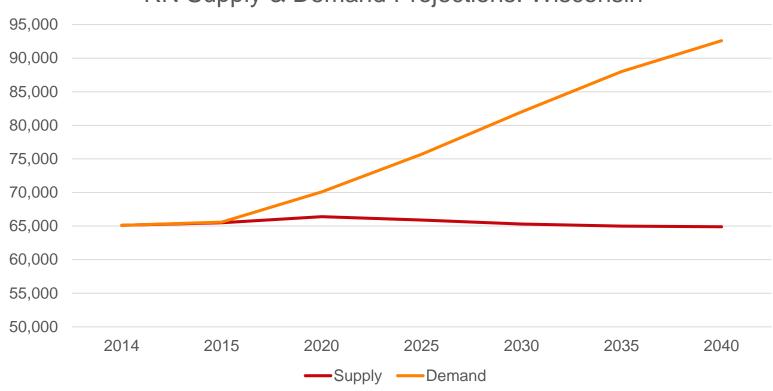
2020	3,800
2025	9,800
2030	16,700
2035	23,100
2040	27,700

Wisconsin schools graduate slightly over 3,000 nurses a year.

Wisconsin Center for Nursing

## Wisconsin Nursing Shortage

RN Supply & Demand Projections: Wisconsin



Source: Wisconsin Center for Nursing

## Signe Skott Cooper Hall (SSCH) Expansion

- As a fulfillment of the original plan for the structure built in 2014, the SSCH expansion would complete the addition of three planned-for floors, to address space and facility constraints.
- Summary of actual matriculated enrollment and graduation rates from 2014 to 2019, along with projections for 2024 are summarized in the following table:

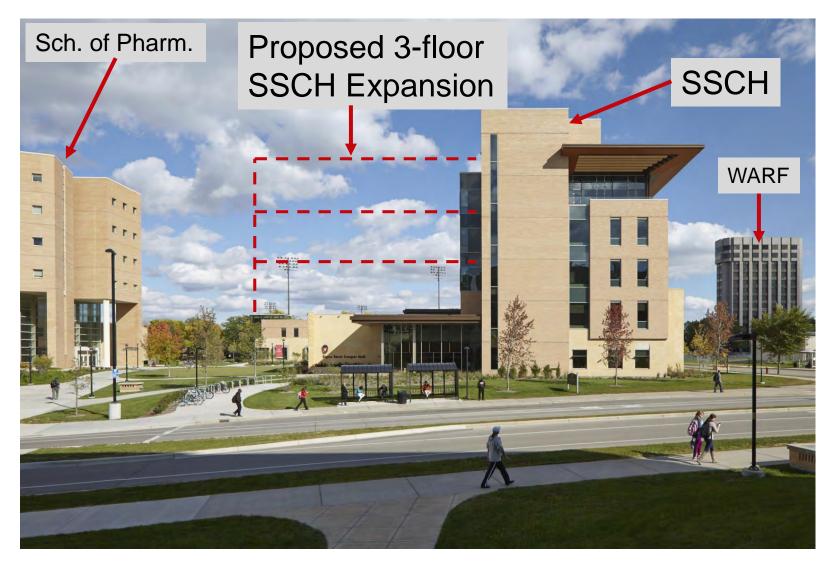
2014 (Actual)		2019 (Actual)		2024 (Projected)	
Enrollment	Graduation	Enrollment	Graduation	Enrollment	Graduation
433	180	535	238	683	320

## Signe Skott Cooper Hall (SSCH) Expansion

- Add 34,000 GSF over two-story north wing of SSCH, in the form of three floors above existing space
- Renovation of existing floors 3, 4, and 5 to reconfigure and connect addition to structure
- Private/shared office space and research space similar to 3<sup>rd</sup> and 4<sup>th</sup> floor layouts

The existing structure includes physical and mechanical infrastructure to support the vertical expansion.

## Proposed SSCH Expansion View from Highland Ave., at UW Hospital



## Proposed SSCH Expansion

View from Southeast of Building from Observatory Drive

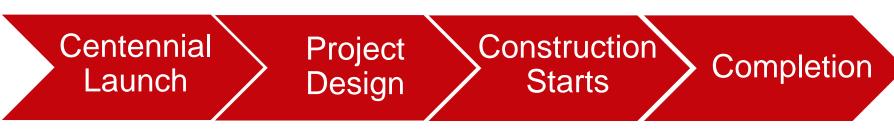


## Signe Skott Cooper Hall Expansion

- Budget estimate: \$25M
- Source of funding: Philanthropy associated with the 100th anniversary of the UW-Madison School of Nursing.
- Centennial Campaign scope will include pursuit of a \$25M single or combined naming gift to fund SSCH expansion, in addition to primary campaign.

## Signe Skott Cooper Hall Expansion

- January 2021: Launch Centennial Campaign
- 2021-2024: Naming Gift Secured
- During 2023: SSCH Expansion Project Design
- January 2025: SSCH Expansion Construction Starts
- During 2026: SSCH Expansion Completion



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January 2021 2023 January 2025 2026

### Connecting Strategic Plan to a Facilities Plan

Address critical needs for preparing nurse leaders for the future of care.

Educate more qualified students for nursing profession

Graduate more nurses to address gaps in workforce

Increase faculty research in critical areas

### **Project Description**

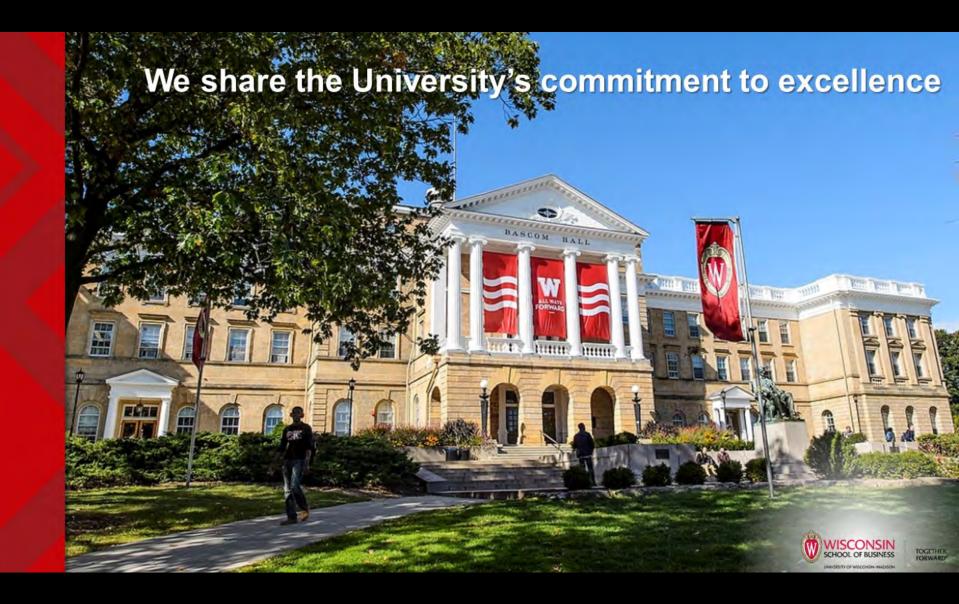
- 34,000 GSF, through addition of three floors above existing two floors
- Renovate and reconfigure existing space to create office and research space to support TT faculty and program growth
- \$25M Budget
- Proposed biennium 23-25

## Questions?



# 2021-2027 Capital Planning Project

Senior Associate Dean Jim Johannes October 2019





Our vision of excellence: Top 5



## **Drivers of change**



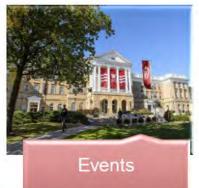








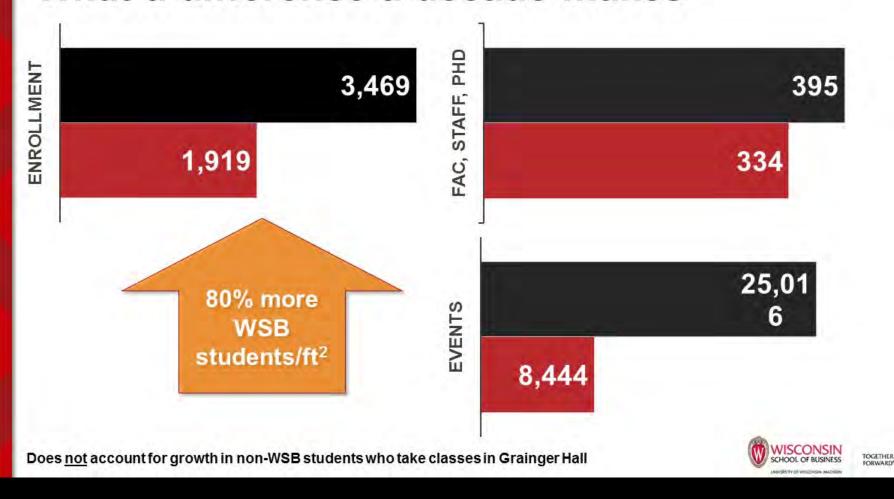








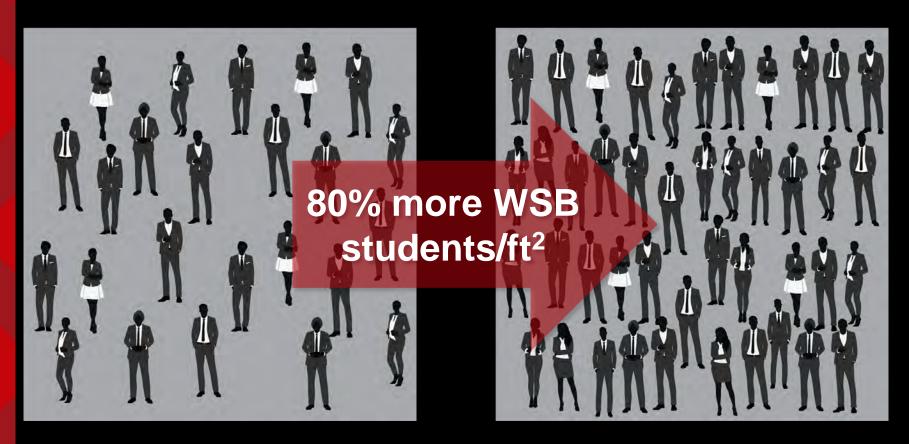
### What a difference a decade makes



### Spaces remained constant while enrollments grew



### Spaces remained constant while enrollments grew



Does <u>not</u> account for growth in non-WSB students who take classes in Grainger Hall (e.g., certificates, electives)

### If space had kept pace with growth





### **What No Longer Works**



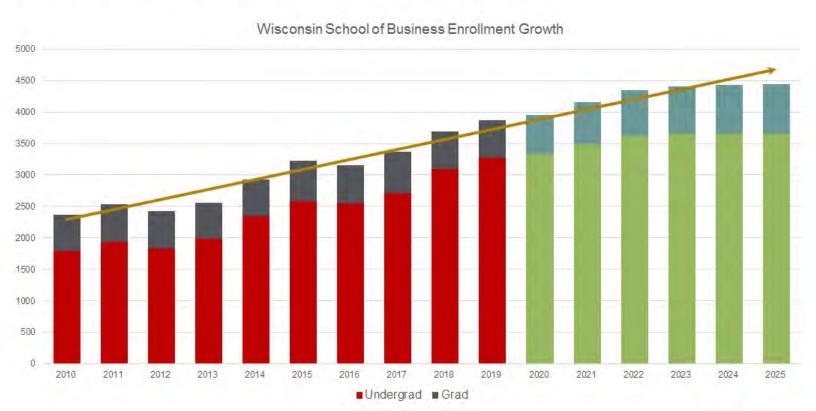








### **WSB Overview - Enrollment**







### **Future State...**

School of Business	Academic Year			<u>Projected</u>			
	2008	2019	2025		2019 vs. 2008	2025 vs. 2008	
Students (Undergrads + Masters)	1,919	3,469	4,315		181%	225%	
Faculty, Staff, and PHD employed	334	395	427		118%	128%	
SqFt/Student	24	13	11	*	54%	46%	*
SqFt/Faculty/Staff/PHD	226	191	177	*	85%	78%	*
Acad., Dept., and External Events	8,444	25,016	34,959		296%	414%	

\*Assuming no space changes



### What Could Work...











What Could Work...







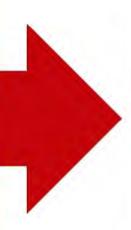
### Will Current Facility Meet Our Needs?



### Connecting Strategic Plan to a Facilities Plan

#### Strategic Objectives

- 1. Request "placeholder" in 2023-25 and 2025-27 biennial budgets for projects that address facilities needs
- 2. Increase needed capacity for Faculty, Staff, and Students
- Update infrastructure of high traffic spaces within Grainger Hall
- 4. Increase the versatility of public and lecture space to support the growth of events
- 5. Improve our accessibility of our by creating more usable public and lecture space



#### Major Project Priorities 2021-27

- Facilities Capital Plan to guide capital projects strategy and define the scope and budget for needed capital projects
- 2. Café & Courtyard Remodel
  - ~35,000 ft<sup>2</sup>
  - ~\$4.5 Million
- General Remodel to address classroom, office and accessibility needs
  - ~ 45,000 ft2
  - ~ \$ TBD





# Questions?



### **UNIVERSITY RECREATION & WELLBEING**

2021–2027 Six-Year Capital Plan Request

Jake Baggott
Campus Planning Committee Meeting
October 31, 2019



### **Overview: Recreation & Wellbeing**

#### 2018-2019

- 1,200,000 total participations (586,000 at the Gym/Nat)
- 70% of UW-Madison students use Rec Well services and facilities
- Approximately 2,500 non-student members
- 81,000 special event attendees
- 46,500 group fitness participations
- 27,500 open rec lap swimming participations
- 4,666 intramural sports games played
- 397 youth summer camp registrations
- #2 American Red Cross Certification provider in Wisconsin



### **Overview: Recreation & Wellbeing**

#### 2013 Rec Sports Master Plan Background

- Students voted in 2014 to support four new recreation facilities
- 35% of students voted; 87% supported the \$236 million master plan
- Funding model includes seg fees, Athletics, and private gifts

#### **Demonstrated Need**

- #1 request from students is more fitness space
- Current facilities are outdated, overcrowded, and substandard
- Extensive repairs necessary to maintain current facilities
- Current facilities are not equipped to meet the demands of increasing student enrollment
- Shell to transfer to Athletics

### **Projects completed or in-progress**

- 2017 Near West turf fields completed
  - 26% increase to intramural sports games
  - 57% decrease in cancellations due to rain
- 2020 Nicholas Recreation Center



### Gym/Nat Replacement (2019-2021)

#### **Current Conditions (needing attention/replacement)**

- 55-year old facility
- Roof
- Exterior caulk, tuck points, etc.
- Emergency/backup generator
- Electric service and distribution
- Hazardous materials
- Freight elevator
- Plumbing and partition in locker rooms
- HVAC, plumbing, and mechanicals in pool
- Building air management
- Interior finishes
- No Air Conditioning
- ADA/Accessibility



### Gym/Nat Replacement (2019-2021)





Photos of Main Entrance to Gym / Nat Recreational Sports Facility



Photo of Typical Gymnasium Space





**Photos of Roof Equipment** 



Photos of Chilled Water Piping









Photos of Swimming Pool / Natatorium



### Gym/Nat Replacement (2019-2021)













Photo of Corrosion at Swimming Pool **Viewing Window** 







Photo of Typical Steam Pressure Reducing Valve



Photo of Pool Water Chemical Feed Pumps



Photo of Pool Water Chemical Feed Pumps

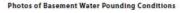


Photo of Typical Hydronic Specialities

Photo of Hydronic Pumps



Photo of Steam to Hot Water Heat Exchanger





### **Gym/Nat Replacement**

#### **Impact**

- Replaces existing Gym/Nat with new 262,108 GSF recreation and wellbeing center
- Incorporates a 7,700 GSF Kinesiology adaptive recreation space
- 8 basketball courts
- 25 yard recreational swimming pool
- Ice sheet with spectator seating
- Wellbeing spaces
- 18,000 sq. ft. of fitness
- Multipurpose studios

#### **Funding Model**

• Seg. Fee Bonding: \$76,600,000

• Gift/Grant: \$28,600,000

• Athletics: \$5,000,000

• School of Education: \$3,000,000 (gift)

• Total: \$113,200,000

A \$19,750,000 lead donor gift has been secured.



### **Gym/Nat Replacement**

#### **Timeline**

Program Verification
 November 2019

Design Report (35%)
 March 2020

• Final Design Report (100%) October 2020

• Bid Date December 2020

Construction Begins
 February 2021

Substantial Completion/Occupancy
 December 2022

#### **Key Approvals**

Design Review Board #2
 October 2019

Development Assistance Team
 November 2019

Joint Campus Committee December 2019

Design Review Board #3
 February 2020 (TBD)

• Board of Regents June 2020

• State Building Commission June 2020



### Recreation & Wellbeing Overview



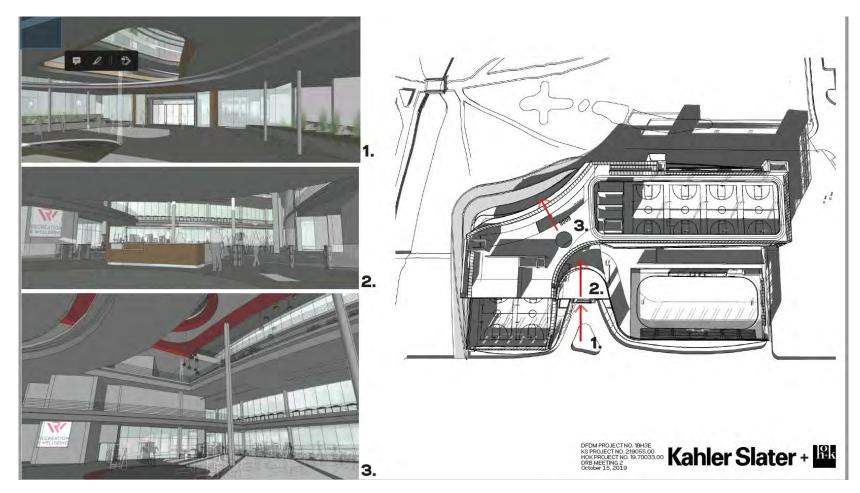


### Recreation & Wellbeing Overview





### Recreation & Wellbeing Overview





### Near East Turf Playfields (2023-2025)

#### **Current Conditions**

- Currently not meeting space demands for Intramural Sports or Sport Club programs
  - 46 Sport Clubs
  - 7,850 Intramural Sport participants
- Almost 40% of scheduled outdoor games & activities are cancelled due to field conditions
- Poor soil conditions
- HID lighting creating light spillage

#### **Impact**

- 4 Synthetic turf rec soccer fields (inlaid lines)
- 1 championship soccer field, overlaid
- Decorative fencing with brick piers surrounding fields
- New LED lighting to maximize playability
- Seasonal inflated bubble (being studied)

#### **Funding**

• Seg. Fee bonds

\$6,032,000



## **Near East Turf Playfields**





### **Near East Turf Playfields**





### **Nielsen Tennis Stadium**

#### **Current Conditions**

- 12 indoor tennis courts
- 6 squash courts
- No dedicated fitness sq. ft.
- Squash courts American size (outdated)
- ADA improvements/passenger elevator
- Air handler/exhaust/controls replacement
- Boilers & furnace upgrades
- Interior finishes
- No air conditioning
- Poor locker room conditions
- No varsity women's team room
- Poor spectator experience





# Nielsen Tennis Stadium – Roof (2023-2025)

#### **Current Conditions**

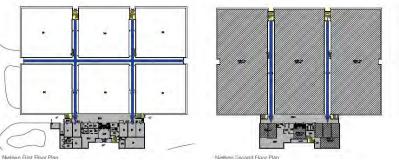
- Roof silos are over 25 years old
- Roof membrane deteriorating
- Storm water leakage occurs
- Flat sections of roofs completed in Summer 2018



- 25 year protection
- Completes Nielsen Roof project (both phases)

### **Funding**

• \$1,000,000 – PRSB





# Nielsen Tennis Stadium – Fitness Center (2025-2027)

### **Impact**

- 47,300 GSF addition
- 20,250 sq. ft. fitness space
- 3,500 sq. ft. multi purpose studio
- Renovated tennis center lobby and court viewing
- Updated lockers rooms
- Tournament locker rooms accessible from U-Bay Fields
- ADA upgrades

### **Funding**

• \$12,000,000 - \$15,000,000 (GFSB)

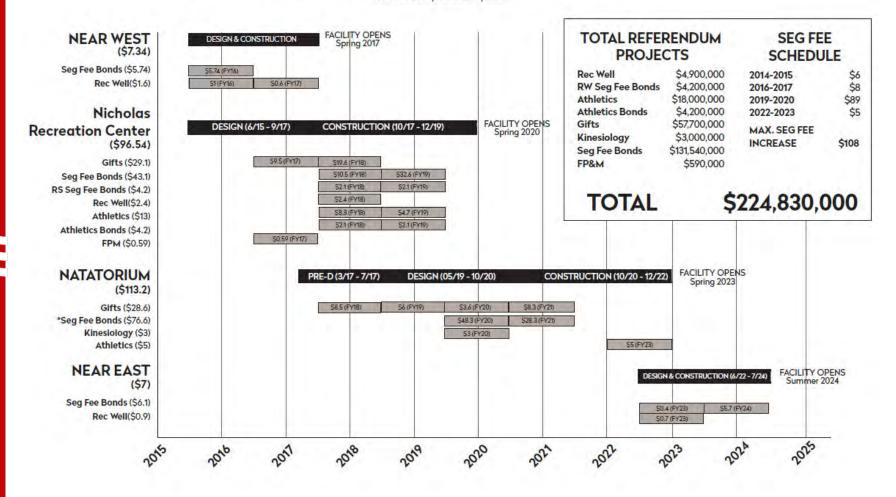






#### **REC WELL MASTER PLAN: CASH FLOW TIMELINE**

(with competition pool)



### Connecting Strategic Plan to a Facilities Plan

### **Strategic Objectives**

- Diversify and expand offerings to reflect a more holistic approach to wellbeing on campus and in the community.
- Increase collaboration with University Health Service and other campus partners to support students' mental health needs through a variety of services and spaces across campus.
- 3. Support a growing campus and emerging trends in fitness, health, and wellbeing by providing spaces that are welcoming and inclusive to a diverse student and UW employee population.

#### **Major Project Priorities 2021-27**

#### 1. Gym/Nat Replacement

- 262,108 GSF
- \$113,200,000
- 2019-2021

#### 2. Near East Turf Fields

- 1.2 acres
- \$6,032,000
- 2023-2025

#### 3. Nielsen Fitness Center

- 47,300 GSF
- \$12-\$15 million
- 2025-2027

#### 4. Nielsen Tennis Roof

- \$1,000,000
- 2023-2025



# Questions?