

Granite State College

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UNIVERSITY



University of  
New Hampshire

University System  
of New Hampshire

# House Public Works Committee HB 25 Capital Budget Hearing

*March 10, 2021*

- Section 11 of HB 25 continues the \$15 million capital appropriation pursuant to Chapter 146:3, Laws of 2019, for the FY 22-23 biennium for needed projects on each of the USNH residential campuses.
- **USNH asks that no change be made to this continuing appropriation in HB 25.**
- Lapse extension in section 187 of HB 25 can be removed as USNH has expended the \$10 million appropriated for the current biennium.

# USNH FY 22-23 State Capital Budget Request As Submitted

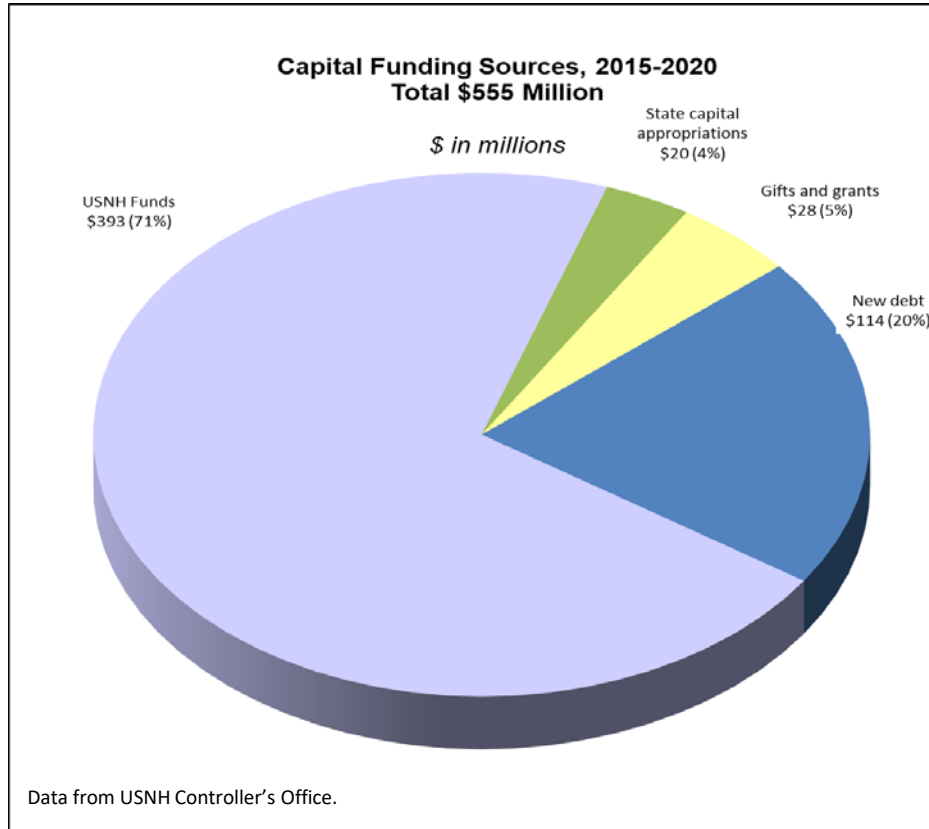
Project Name	FY 22 - 23		FY 24 - 25		FY26 - 27		TOTALS
	State	USNH	State	USNH	State	USNH	
UNH Biological Sciences	Appropriated \$ 10.0M	\$ 32.1M	Appropriated \$ 15.0M				\$ 57.1M
PSU Hyde Hall Innovation and Entrepreneur Center	\$ 2.5M	\$ 4.0M		\$ 4.0M	\$ 4.0M	\$ 4.0M	\$ 23.0M
KSC Elliott Student Svcs Center Joslin Hall	\$ 2.5M	\$ 4.0M	\$ 2.0M	\$ 4.8M	\$ 4.0M	\$ 4.0M	\$ 24.0M
UNH Nesmith Health Sciences					\$ 12.0M	\$ 18.0M	\$ 30.0M
<b>TOTALS</b>	\$ 15.0M	\$ 40.1M	\$ 17.0M	\$ 8.8M	\$ 20.0M	\$ 26.0M	\$ 134.1M

The highlighted columns indicate appropriations authorized in Chapter 146, laws of 2019 and included in HB 25, 2021 for FY 22-23.

- Higher education will be transformed by the recent and future response to COVID 19.
- Notwithstanding the transformation in higher education, USNH believes Granite Staters will need and expect access to quality public higher education in a residential setting.
- It is recognized that USNH and State resources will suffer historic challenges requiring very difficult choices be made.
- While the higher education experience may differ in the years to come, the three capital projects partially funded with State support in the 2019 capital budget remain of high importance.

# USNH Capital Funding Sources Six Years FY15-FY20

Total = \$555 Million



USNH funds its capital program through a variety of sources. Financial pressures from COVID will severely restrict USNH ability to resume its normal capital program through at least FY 23.



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## UNH Biological Sciences Initiative

# 2022-2023 Appropriation - \$10 million for BSI

- For the 2022-2023 biennium State Appropriations (\$10M) is supporting ongoing construction of the Biological Sciences Initiative (BSI) at the University of New Hampshire.
- The State committed \$35M over 3 biennia for the \$95.5M BSI project. The total project budget has increased since the capital budget request was submitted. As committed to, USNH will cover the project increase.

Project Name	Prior to FY20 USNH	FY 20 - 21		FY 22 - 23		FY 24 - 25		TOTALS
		State	USNH	State	USNH	State	USNH	
UNH Biological Sciences	\$ 3.4M	\$ 10.0M	\$ 25.0M	\$ 10.0M	\$ 32.1M	\$ 15.0M		\$ 95.5M
PSU Hyde Hall Innovation and Entrepreneur Center				\$ 2.5M	\$ 4.0M		\$ 4.0M	\$ 10.5M
KSC Elliott Student Services Center				\$ 2.5M	\$ 4.0M	\$ 2.0M	\$ 4.8M	\$ 13.3M

# UNH Biological Sciences Initiative (Spaulding Hall)

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## Project Overview

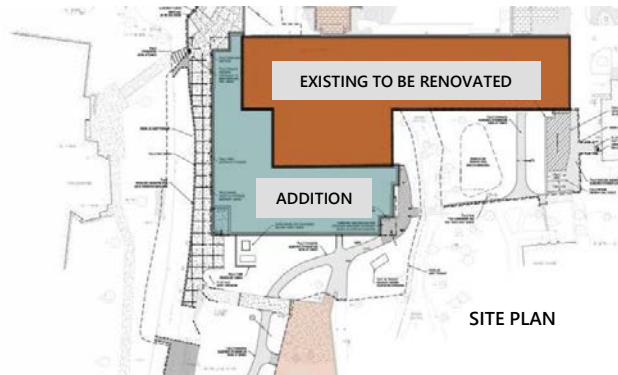
- Project Budget: \$95.5M
- Architect: Ellenzweig
- Construction Manager: Skanska
- Construction Delivery Method: Construction Manager at Risk



# UNH Biological Sciences Initiative (Spaulding Hall)



GROUND FLOOR PLAN



SITE PLAN

## Project Status

- Completed utility enabling work Summer 2019
- Construction documents for Phase 1 and Phase 2 completed Fall 2019
- Signed Phase 1 guaranteed maximum price Dec 2019
- Phase 1 underway, completion April 2022
- Signed Phase 2 guaranteed maximum price January 2021
- Phase 2 construction starts January 2022, completion April 2024

This \$95.5m project includes a 50,000 sq ft addition along with a full renovation of the existing 82,000 sq ft. Completion of the renovation and addition to Spaulding Hall will:

- Address urgent facility needs and reduce deferred maintenance by \$30 million.
- Create capacity to increase enrollments and attract faculty in high demand science fields
- Upgrade laboratory and teaching spaces that no longer meet contemporary teaching and research needs
- Increase workforce supply of qualified graduates in areas critical to the State's economy

## Spaulding Hall Renovation and Expansion



# UNH Biological Sciences Initiative (Spaulding Hall)

The completed project will have 11 biological sciences teaching labs, and 9 research lab suites that can accommodate 50 principal researchers:

- A critical component of the research space is new housing for rats and mice (called a vivarium).
- The addition will be completed for move-in by April 2022. By the end of May, the existing building will be vacated, and the renovation is expected to be completed by December 2023.
- The fit-out of the Vivarium will start in December of 2023 be completed by April 2024.

## Spaulding Hall Renovation and Expansion



## Budget

Original Project budget 2018: 86M (Project Estimate)  
Updated project budget: 95.5M (Based on GMP)

## Spaulding Hall Renovation and Expansion

The budget for this project has increased by 9.5M and reasons for this increase are outlined below. This additional cost is the responsibility of UNH/USNH, no additional state funding beyond what has been previously approved is being requested.

- **Project complexity:** The initial 86M budget was established in June of 2018. At this point the scope of the project was determined however the construction manager was not selected, and construction details were not finalized. While the design scope of the project has not changed over the last two years, the complexity of construction coordination, identified by the CM and the design team, has resulted in additional costs. In addition, construction costs over the last two years have increased more than anticipated.
- **Subcontractor costs/Inflation:** Several of the subcontracting bids, especially building automation controls, lab case work, and electrical, were higher than the early estimates provided by the CM.
- **Delays:** Deferring the completion of the addition, last spring to slow cash flow, has increased most of the subcontractor costs due to delays and extensions in the overall construction schedule.
- **COVID-19 impacts:** Additional protocols required by the pandemic, slowing of material availability, loss of workers due to testing, and the uncertainties related to all of these issues going forward have resulted in additional costs.

# UNH Biological Sciences Initiative (Spaulding Hall)

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## Current Work Underway



## Spaulding Hall Renovation and Expansion

The exterior of the addition is complete and the work inside the addition is underway with the many components of the very complex building systems needing to be carefully woven together before the spaces will take form later this year.

# UNH Biological Sciences Initiative (Spaulding Hall)

## Current Work Underway

There is much planning work happening to find adequate homes for all of research and teaching activities that happen in the existing Spaulding Hall so it can be vacated in the Spring 2022. While a significant portion will go into the addition when it is completed, temporary locations elsewhere around campus have been identified to accommodate other spaces as needed.

## Spaulding Hall Renovation and Expansion





# Plymouth State UNIVERSITY

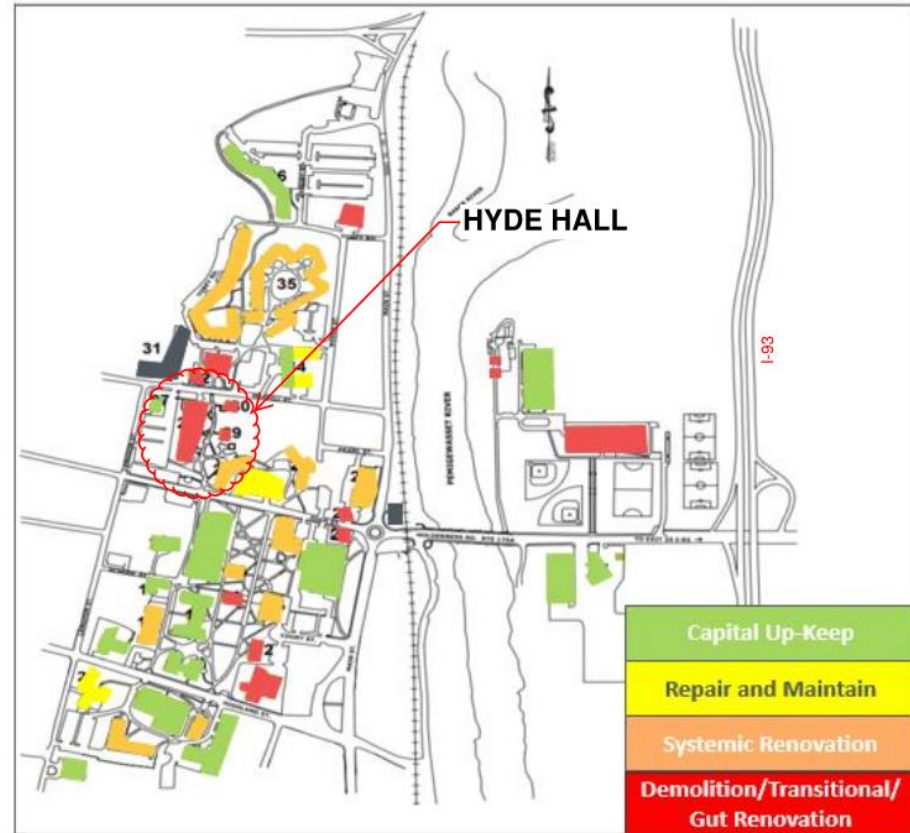
## Hyde Hall Innovation Center

- Hyde Hall was constructed in 1974 and houses critical academic programs including the College of Business Administration, Mathematics, Psychology, Justice, Languages and Linguistics.
- Hyde Hall is in dire need of investment from a life safety and programmatic perspective. It is a highly utilized facility at PSU that is no longer suited for today's teaching and learning. The facility is an integral component of Plymouth State University's "Cluster Learning Model", which is reimagining the University and its buildings in ways that will benefit student education and also ignite business development and revitalize the communities of the region.
- The project would create the home for the Innovation and Entrepreneurship Cluster key to Economic and Entrepreneurial workforce development in the North Country and Lakes Region of New Hampshire.
- In the 2017 Facilities Conditions Analysis, Hyde Hall was identified as one of PSU's highest need buildings with a significant backlog of maintenance required.
- The renovation project will improve energy efficiency and academic pedagogy.



# PSU Hyde Hall Innovation Center

The 81,000 square foot building is one of the heaviest utilized academic buildings in the core of the PSU campus. In the nearly 47 years there have been minimal major renovation projects and several of the major building components have exceeded their life expectancy.



# PSU Hyde Hall Innovation Center

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PSU is planning a \$23 million project over the next 6 years, which will address \$16 million in deferred maintenance, classroom modernization, improve the building's energy performance and enhance the education environment.

The project will address critical building components, including:

- life safety;
- code compliance issues;
- mechanical, plumbing and electrical infrastructure
- building envelope; and,
- window systems.

There will be a significant improvement in energy efficiency and reduction of energy costs.



The logo for Keene State College, featuring the word "Keene" in a large, white, serif font above the words "STATE COLLEGE" in a smaller, white, all-caps, serif font, all contained within a solid red rectangular background.

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Elliott Center and Joslin Hall

- The renovation will transform Elliot Hall into a student-centric building by creating a Student Success Center where services will focus on student retention, recruitment and future career success. The proposed renovation of Joslin Hall will significantly improve the essential health sciences program. This project will result in the elimination of approximately \$20 million in deferred maintenance.
- The project will improve energy efficiency, reduce energy costs, provide a single location for student support services from application through graduation and improve the health sciences program that is important to the College's mission and the region's workforce and health delivery systems.

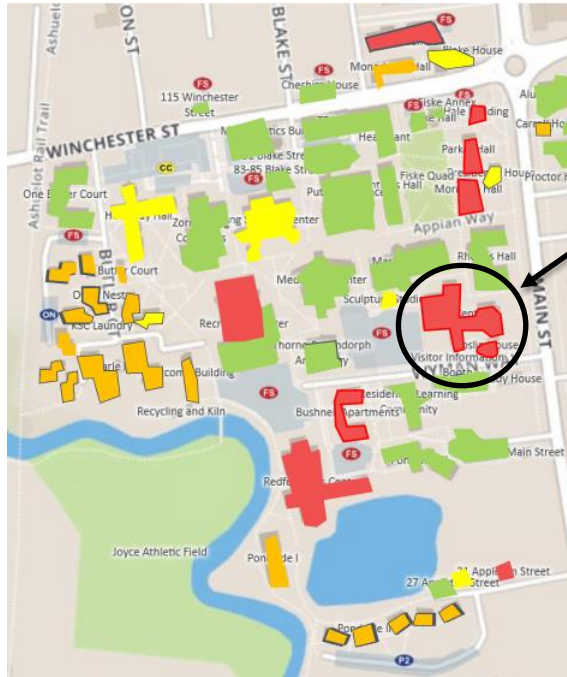
Constructed in 1810 and converted into a hospital in 1845, before being purchased by the College in the 1970s, the Elliot Center acts as the College's primary student support center. The facility currently houses Admissions, Transitions and Parent Programs, Academic and Career Advising, Aspire program, Registrar, Continuing Education, Health Services, Financial Aid, and Student Accounts. Other units in Elliot are the Media Center and the Child Development Center.

- Achieving student success is core to KSC's mission. The Elliot Center renovation will improve the delivery and student support services. The project will improve programmatic commonalities and improve spatial efficiency.
- The Elliot Center requires extensive exterior repairs to the building envelope, heating, ventilation and electrical service and distribution systems and upgrades to the fire protection system.

Constructed 1902, Joslin Hall houses the College's health sciences program and includes programs in nutrition, dietetics, addiction studies and health promotion.

- The health sciences program plays a vital role in contributing to New Hampshire's public health, and welfare in terms of preventing unhealthy lifestyle choices as well as understanding and eliminating societal harm arising from addiction.
- The Joslin Hall facility is a barrier to expansion and limits engagement between students, faculty and the community.
- The Joslin Hall programs create significant partnerships with many external agencies. One of these is the nationally acclaimed Early Sprouts program, which arose from the work of Keene State College's health science faculty.
- Joslin Hall requires extensive exterior repairs to the building envelope, heating, ventilation and electrical service and distribution systems and upgrades to the fire protection system.

# KSC Elliot Center and Joslin Hall Renovations



**Elliot Center  
Joslin Hall**

Capital Up-Keep
Repair and Maintain
Systemic Renovation
Demolition/Transitional/ Gut Renovation

Keene State College

Elliot Center and Joslin Hall are critical facilities to the KSC mission. These adjacent facilities are historically registered buildings acquired by KSC in the 1970's, neither building has had a significant renovation since. A 2017 independent facility assessment identified these facilities in need of major deferred maintenance investment.



# KSC Elliott Center & Joslin Hall Renovations



The Elliot Center and Joslin Hall project will address critical maintenance issues, improve interior spatial efficiency, consolidate student support services and improve student pedagogy.

The project will specifically address the following building components, including:

- life safety;
- code compliance issues;
- mechanical, plumbing and electrical infrastructure; and
- building envelope

The project will significantly improve in energy efficiency and reduce energy use.



## UNH Health Sciences Simulation Center

Funded with State Operating Appropriations  
in FY 20-21



## Project Overview

- Project Budget: \$9M funded with State operating appropriations in FY 20-21
- Architect: Lavallee Brensinger Architecture
- Construction Manager: Wright-Ryan Construction, Inc.
- Construction Delivery Method: Design Build

## Overall



## Health Science Simulation Center (HSSC)

This \$9m project will create 21,000 sq ft of new customized Instructional space located in the core campus, just west of the railroad tracks near Gregg Hall and Chase Ocean Engineering Lab.

# UNH Health Science Simulation Center

## Current Work Underway



## Health Science Simulation Center (HSSC)

This fast-track project is a one story low-cost light commercial construction that will meet enrollment growth that has started and is expected to continue over the next five years in Nursing and other medical/health care education programs.

## Current Work Underway



## Health Science Simulation Center (HSSC)

Building construction began in the fall and is quickly taking shape and becoming enclosed. Interior work will begin in March and move forward rapidly for completion in August. Detailed planning for all the simulation equipment and furniture procurement is underway.

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