

December 3, 2025

TO: Members of the Board of Trustees

FROM: Reka Wrynn *Reka Wrynn*
Interim Vice President for Finance

RE: Project Budget for Storrs Campus Primary Electrical Feed 5P Upgrade
(Final: \$8,800,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget of \$8,800,000 as detailed in the attached project budget for the Storrs Campus Primary Electrical Feed 5P Upgrade project. The Administration recommends that the Board of Trustees adopt the Resolution below.

RESOLUTION:

"Be it resolved that the Board of Trustees approve the use of \$8,800,000 in UCONN 2000 Bond Funds for the Storrs Campus Primary Electrical Feed 5P Upgrade design, preorder of long lead time equipment and approve the request for a waiver of the three-stage budget approval process to allow construction to proceed after bids have been received and evaluated for conformance with the project's scope and budget."

BACKGROUND:

The new 900-Line Substation 38E supplying the UConn Second Electrical Feed now in construction will be a secondary source of utility power for the UCONN Storrs campus and will feed the new 13.8kV ring bus through the Eversource Substation 12J at 115kV. As part of the initial framework concept planning, the new 900-Line substation step-down transformer will have a maximum rating of 75MVA, supporting the entire campus loads, well into the future.

Once the new 900-line is in service, the Eversource 800-Line 12J Substation feeding UConn Substation 5P will be dedicated as the alternate source of offsite power instead of the current primary electrical feed status and will be required to supply campus loads when the 900-Line or the corresponding 38E substation at UCONN is unavailable.

The existing campus peak demand load exceeds the capacity of the existing 5P substation transformer and already exceeds the capacity of the onsite power generating units, which can produce approximately 25MVA. Therefore, transformers at the UConn 5P substation should be able to support the entire campus loads when needed. The existing 800-Line 5P substation transformer

has a dual 69kV/115kV primary winding voltage and a maximum rating of 33.6MVA. For the 800-Line UConn 5P Substation to support the future campus loads, the existing transformer needs be upgraded to match the 75 MVA transformer rating of the 900-Line UConn 38E Substation.

The existing Eversource 69kV transmission system has a maximum capacity of 35MVA. As part of the future transmission system upgrade to allow the transmission system to meet the demand load of UCONN campus, Eversource is planning to upgrade the transmission system voltage from 69kV to 115kV. Eversource is planning to cover the cost of system upgrades associated with Mansfield 12J substation. UCONN will be responsible for the costs incurred for design, engineering, procurement and construction of the new transmission line from Eversource 800-Line Mansfield 12J Substation to the UConn 5P Substation.

Long lead times of up to four (4) years are currently being experienced for High Voltage Materials and Equipment. Due to market conditions (long lead times and escalation for certain electrical equipment), the feasibility and planning of this project will be phased to allow for the timely procurement of equipment with long lead times (Phase 1). Phase 2 of the project, the balance of the work, will include construction upgrades of UConn's 5P Substation switchgear yard (including sitework and structures, the procurement and installation of all remaining equipment), and connections to existing UConn electrical infrastructure and Eversource. The Administration requests to preorder the requisite material and equipment to enable this project's construction immediately upon completion of the 38E UConn Second Electrical Feed Project commissioning. This is necessary to mitigate exposure to campus outages.

The Final Budget is attached for your information.

Attachments

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: **FINAL**

PROJECT NAME: **STORRS CAMPUS PRIMARY ELECTRICAL FEED 5P
UPGRADE**

<u>BUDGETED EXPENDITURES</u>	<u>PROPOSED FINAL 12/3/2025</u>
CONSTRUCTION	\$ 200,000
DESIGN SERVICES	1,700,000
TELECOMMUNICATIONS	-
FURNITURE, FIXTURES AND EQUIPMENT	6,000,000
CONSTRUCTION ADMINISTRATION	-
OTHER AE SERVICES (including Project Management)	95,000
ART	-
RELOCATION	-
ENVIRONMENTAL	-
INSURANCE AND LEGAL	5,000
MISCELLANEOUS	-
OTHER SOFT COSTS	-
SUBTOTAL	\$ 8,000,000
PROJECT CONTINGENCY	800,000
TOTAL BUDGETED EXPENDITURES	<u>\$ 8,800,000</u>
<u>SOURCE(S) OF FUNDING*</u>	
UCONN 2000 BOND FUNDS	<u>\$ 8,800,000</u>
TOTAL BUDGETED FUNDING	<u>\$ 8,800,000</u>

* This budget reflects the University's current intended source(s) of funding for the specified project. The University may adjust this funding plan in order to ensure compliance with applicable federal and state law(s) or to strategically utilize all fund sources, within the approved budget amount, as appropriate.

BOT 12.3.2025

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RESOLUTION RE:
STORRS CAMPUS PRIMARY ELECTRICAL FEED 5P UPGRADE (FINAL: \$8,800,000)

BE IT RESOLVED that the University of Connecticut Board of Trustees approves the use of \$8,800,000 in UCONN 2000 Bond Funds for the Storrs Campus Primary Electrical Feed 5P Upgrade design, preorder of long lead time equipment and approves the request for a waiver of the three-stage budget approval process to allow construction to proceed after bids have been received and evaluated for conformance with the project's scope and budget.

It is hereby certified that the foregoing resolution was duly authorized by the Board of Trustees on December 3, 2025.

Bryan K. Pollard, Secretary

Date