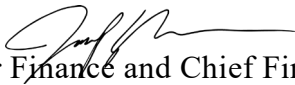


September 27, 2023

TO: Members of the Board of Trustees

FROM: Jeffrey P. Geoghegan, CPA 
Executive Vice President for Finance and Chief Financial Officer

RE: Project Budget for Eversource Second Electrical Feed (Final: \$15,000,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget of \$15,000,000, as detailed in the attached project budget, for the Eversource Second Electrical Feed project, for Construction Phase 1, the purchase and installation of electrical equipment with long lead times. 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 \$15,000,000 in UCONN 2000 bond funds for the Eversource Second Electrical Feed project.”

BACKGROUND:

The UConn Storrs campus receives electrical power from two sources: 1) the generation of power on campus at the Central Utility Plant by UConn owned and operated electrical generating turbines, and 2) the Utility provider's (Eversource) overhead power lines via a utility substation located west of the area "F" parking lot on the north side of North Eagleville Road.

The University's electrical demand at times exceeds the capacity of the on-campus generation system and the single connection to the Utility. The campus-wide demand also exceeds the capacity of the existing transformer infrastructure fed from the existing Eversource transmission circuit. Each of the sources was originally designed with the capacity to independently provide all electricity needed for the campus, thus providing the University with the reliability and redundancy necessary should one or the other service be interrupted. Studies have shown that as the University continues to expand in accordance with its Master Plan, the electrical demand has increased to a point where both imported and campus-based production of electrical power will need to be increased to maintain the required reliability and resiliency of the on-campus electrical distribution system.

This project establishes a new second connection to Eversource, terminating at a new 50-75 MVA transformer located on the exterior of the Supplemental Utility Plant (SUP) in the substation switchgear yard (Named UConn 38E, southeast of the SUP proper). Included is a required

modernization of the electrical distribution control system to manage multiple sources and the increased load demands which enables code compliant switching for personnel safety. Phase 1 of the SUP was completed in 2022 (building, electrical switchgear, emergency power generators, and chillers), with installation of a boiler in progress. Phase 2 of the SUP project, currently on hold, is required to add electrical generation capacity to maintain the reliability and resiliency of the campus.

Due to market conditions (long lead times and escalation for certain electrical equipment), the construction of the Eversource Second Electrical Feed project has been 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 of UConn's new 38E 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 Eversource Second Electrical Feed project is currently in the Design phase with expected design completion in Fall 2023. Construction Phase 2 is currently scheduled to be bid in Fall/Winter 2025 and be complete in Fall 2026; the schedule for Phase 2 is responsive to the delivery dates of the equipment procured in Phase 1. The total project budget is anticipated to be approximately \$40,000,000.

The Final Budget is attached for your information.

Attachment

CAPITAL PROJECT BUDGET REPORTING FORM

TYPE BUDGET: **FINAL**

PROJECT NAME: **EVERSOURCE SECOND ELECTRICAL FEED**

	APPROVED PLANNING 2/21/2019	APPROVED REVISED PLANNING 3/12/2021	APPROVED REVISED PLANNING 8/20/2021	APPROVED DESIGN 12/8/2021	PROPOSED FINAL 9/27/2023
	PRC	PRC	PRC		
<u>BUDGETED EXPENDITURES</u>					
CONSTRUCTION	\$ -	\$ -	\$ -	\$ 300,000	\$ 12,000,000
DESIGN SERVICES	75,000	200,000	315,000	2,300,000	1,445,000
TELECOMMUNICATIONS	-	-	-	-	-
FURNITURE, FIXTURES AND EQUIPMENT	-	-	-	-	-
CONSTRUCTION ADMINISTRATION	-	-	-	-	250,000
OTHER AE SERVICES (including Project Management)	5,000	10,000	12,000	95,000	500,000
ART	-	-	-	-	-
RELOCATION	-	-	-	-	-
ENVIRONMENTAL	-	-	-	-	-
INSURANCE AND LEGAL	3,000	5,000	5,000	5,000	5,000
MISCELLANEOUS	-	-	-	-	-
OTHER SOFT COSTS	-	-	-	-	-
SUBTOTAL	\$ 83,000	\$ 215,000	\$ 332,000	\$ 2,700,000	\$ 14,200,000
PROJECT CONTINGENCY	12,000	35,000	38,000	300,000	800,000
TOTAL BUDGETED EXPENDITURES	\$ 95,000	\$ 250,000	\$ 370,000	\$ 3,000,000	\$ 15,000,000
<u>SOURCE(S) OF FUNDING*</u>					
UCONN 2000 BOND FUNDS	\$ 95,000	\$ 250,000	\$ 370,000	\$ 3,000,000	\$ 15,000,000
TOTAL BUDGETED FUNDING	\$ 95,000	\$ 250,000	\$ 370,000	\$ 3,000,000	\$ 15,000,000

* 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.

EVERSOURCE SECOND ELECTRICAL FEED
Project Budget (FINAL)
September 27, 2023

