UNBC UNIVERSITY OF NORTHERN BRITISH COLUMBIA

BOARD OF GOVERNORS
PUBLIC – Electronic Motion
Thursday, May 25, 2023

ELECTRONIC MOTION – Deadline: 12:00 pm, Monday, May 29, 2023

Please submit your votes via email to unbcboard@unbc.ca by the deadline noted above.

Membership:
Darlene McIntosh (Chancellor), Amanda Alexander, Allison Beswick, Dakota Den Duyf, Kyndra Farrell, Joyce Henley, Joel McKay, Trevor Morrison, Phil Mullins, Geoff Payne, Michael Reed – VICE-CHAIR, Gregory Stewart, Todd Whitcombe, Catherine Wishart – CHAIR

Non-voting: Kellie Howitt, Senior Governance Officer; Alexandra Parent, Governance Officer (recording)

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1. **Contract Award Recommendation:**
   Motion 2023BP05.25.01:

   That, on the recommendation of the Finance and Investment Committee, the Board of Governors approves to award a contract to Trane Technologies for a value not to exceed $800,000, to supply and install Adaptive Frequency Drives on the existing chillers.

2. **Contract Award Recommendation – Prince Sheetmetal & Heating Ltd**

   Motion 2023BP05.25.02:

   That, on the recommendation of the Finance and Investment Committee, the Board of Governors approves to award a contract to Prince Sheetmetal & Heating Ltd for a value not to exceed $975,000 to install new roofing systems in the above-mentioned areas.

CONTRACT AWARD RECOMMENDATION

Vendor:	Trane Technologies
Term:	May 15, 2023 to May 31, 2024
Value:	Total not to exceed $800,000
Funding:	Routine Capital funding from the Ministry of Post-Secondary Education and Future Skills, and UNBC Energy Conservation Revolving Loan Fund

Background

The Ministry of Post-Secondary Education and Future Skills has approved additional funding for a number of Routine Capital projects, including a project to install a new Adaptive Frequency Drive (AFD) on each of the two existing centrifugal refrigeration chillers that provide cooling for the main Prince George campus via the district cooling system.

The two existing chillers have fixed speed motors that do not allow for a gradual ramp-up in power during start-up ("soft start") or variability during operation. This project would install variable speed drives (known as Adaptive Frequency Drives) on each of the chillers to permit soft start of the motors and to vary the speed to increase efficiency. These chiller units represent the largest single electrical energy use on site, and the project is expected to save at least 75,000 kWh of electricity per year. The new AFDs will also prolong the life of these critical assets and reduce staff hazard exposure (due to large power draw on start-up).

Specific Motion

UNBC Facilities is requesting board approval to award a contract to **Trane Technologies**, for a value not to exceed $800,000, to supply and install Adaptive Frequency Drives on the existing chillers.

Funding

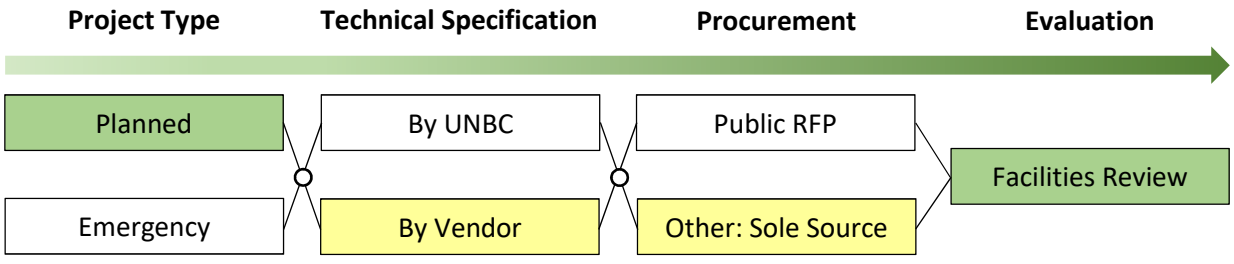
Primary funding (minimum $600,000) will be provided through approved Routine Capital project funding from the Ministry of Post-Secondary Education and Future Skills. Any balance remaining will be funded through an energy savings project loan from the UNBC Energy Conservation Revolving Loan Fund.

Procurement

The existing chillers are Trane products and only the Trane Adaptive Frequency Drive is compatible with this equipment. As a result, this upgrade will be done through sole sourcing from Trane.

Start date: May 2023

Completion by: May 2024



Project Path

CONTRACT AWARD RECOMMENDATION

Vendor:	Prince Sheetmetal & Heating Ltd
Term:	May 10, 2023 to Oct 31, 2023
Value:	Total not to exceed $975,000
Funding:	Routine Capital funding from the Ministry of Post-Secondary Education and Future Skills

Background

The Ministry of Post-Secondary Education and Future Skills has approved additional funding for several Routine Capital projects, including a project to replace roof systems on the Geoffrey R. Weller Library building.

The library building includes multiple distinct roof areas at different elevations, all of which are now 29 years old and have reached their life expectancy. UNBC commissioned a roof condition assessment in 2022 that provided design, priority, and costing information for all campus roofs. Areas 1,3,4 and 12A of the library are among the top priorities. A significant portion of the project budget is for access (crane and scaffolding) so combining several roofs into one project will achieve efficiencies in cost.

Specific Motion

UNBC Facilities is requesting board approval to award a contract to Prince Sheetmetal & Heating Ltd, for a value not to exceed $975,000, to install new roofing systems in the above mentioned areas.

Funding

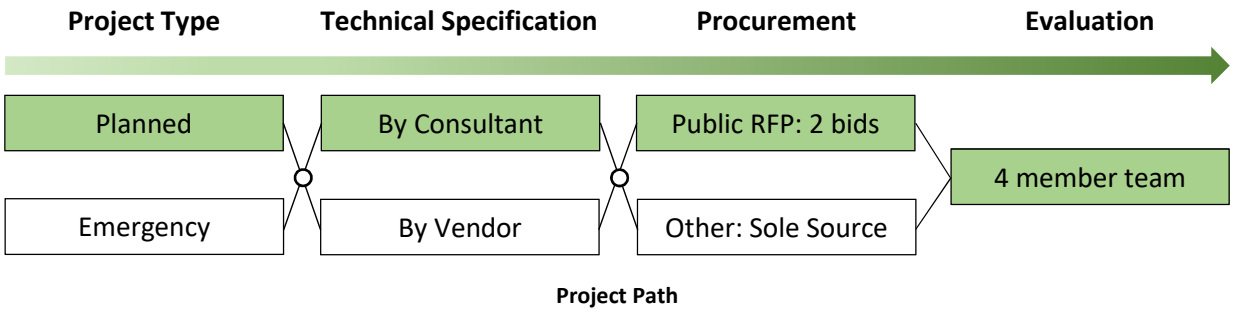
Funding will be provided through approved Routine Capital project funding from the Ministry of Post-Secondary Education and Future Skills.

Procurement

Utilizing the design specifications provided by the roof condition assessment consultant a public RFP was conducted. All of the qualified local firms responded.

Start date: May 2023

Completion by: October 2023



Project Path