

## **Report to Council**

To: Mayor and Council Members  
From: Gary Geraldi, Director of Parks and Recreation / Waste Management  
Date: March 31, 2026  
Subject: North Kawartha Library Boiler

---

### **Recommendation:**

The Township of North Kawartha authorize Battye Mechanical to remove and replace the Triangle Tube Prestige Solo 175 series boiler at the North Kawartha Apsley Library with an NTI Trinity TRX 199 high efficiency boiler for \$7,350.00 plus applicable taxes, on an emergency basis due to premature failure of the current boiler. Further as these funds are not included in the 2026 budget, they be taken from Future Capital Reserves.

### **Background:**

The North Kawartha Library located at 175 Burleigh St. in Apsley, opened its doors in 2010. The library has many excellent features, offers valuable community services, and is an integral part of the North Kawartha community.

The Library's HVAC system includes a high-efficiency boiler that provides efficient radiant heating, along with two air-handlers equipped with humidifiers and air conditioning, that keep the library's air fresh and at appropriate temperatures during all seasons.

Boiler's similar to the type used at the North Kawartha Library generally have an overall lifespan of 25 to 30 years. This assumes the unit is serviced and receives new parts as required by a certified HVAC Technician.

The existing Boiler at the Library was manufactured by Triangle Tube and the model is the Prestige Solo. In March 2026, the Boiler failed and a service call was immediately arranged. The certified HVAC Technician advised us that the heat exchanger was starting to fail, but when reset, the Boiler continued to work. Therefore, we were advised that once a regular reset of the Boiler was required, permanent failure was probably imminent.

Although a replacement of the Heat Exchanger is all that is required, Triangle Tube went of business in 2025, and parts are no longer available. Triangle Tube closed its doors due to a large safety recall and pending lawsuits on certain boiler models manufactured from 2011 to 2019. This recall did not include the Boiler at the Library.



Although we were hoping the current Boiler would last until the warmer weather was upon us, unfortunately it started to fail more often and now has to be reset daily, twice this past Saturday alone. Therefore, due to outside temperatures and the need for a reliable heat source, replacement was required immediately.

### **Analysis:**

The initial Boiler failure and subsequent requirement to immediately replace, all happened within 10 days. However, we were still able to obtain Boiler replacement quotations from three reputable contractors.

### **Existing Boiler:**

Triangle Tube Prestige Solo 175 series boiler with an input rating of 150,000 to 170,000 BTU/hr. and a heating capacity of 154,000 BTU/hr.

### **Boilers Quoted:**

NTI is manufactured in New Brunswick, Canada and was founded in 1967. They are widely used in Canada and parts are readily available.

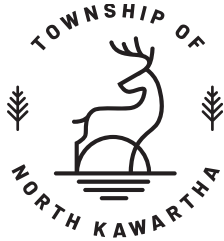
1. NTI TRX 150 high efficiency boiler, with an input rating of 150,000 BTU/hr. and a heating capacity of 139,000 BTU/hr.
2. NTI TRX 199 high efficiency boiler, with an input rating of 197,000 BTU/hr. and a heating capacity of 184,000 BTU/hr.

Navien is made in South Korea and the United States, they are very popular across North America and parts are readily available.

1. Navien NHB 150H high efficiency boiler, with an input rating of 150,000 BTU/hr. and a heating capacity of 138,000 BTU/hr.
2. Navien NHB 200H high efficiency boiler, with an input rating of 199,000 BTU/hr. and a heating capacity of 183,000 BTU/hr.

### **Warranties:**

NTI and Navien carry a very similar warranty that is 5 years on parts and 10 years on heat exchangers. In addition, both carry limited or pro-rated warranties on heat exchangers up to 15 years.



## Quotation Notes:

All quotations include supply, installation, set-up, testing, plus the removal and disposal of the old boiler. All prices below do not include the applicable taxes.

### **Battye Mechanical**

Battye Mechanical has strongly recommended the larger series of boilers, as listed above. As per the existing boiler specifications indicated above and originally spec'd, the 150 series boilers might be borderline adequate, especially as the library also uses the boiler to heat the hot water.

NTI TRX 150 - \$6,750.00

**NTI TRX 199 - \$7,350.00**

Navien NFB 200H - \$8,250.00

Delivery and installation were 2 to 3 days for both boilers.

### **Northern Refrigeration**

Northern Refrigeration quoted both sizes of boilers, but only quoted the Canadian made NTI boiler, as the replacement.

NTI TRX 150 - \$6,750.00

NTI TRX199 - \$7,500.00

### **Hamilton-Smith**

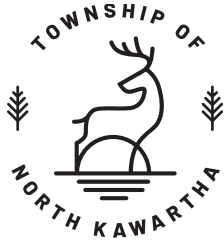
Although they quoted both manufacturers, Hamilton-Smith only quoted the 150 series size boilers as the replacement. Hamilton-Smith also reported that their experience with NTI boilers has not been good, therefore, they recommended using a Navien boiler as the replacement.

Navien NHB 150H - \$9,000.00

NTI TRX 150 - \$9,400.00

Delivery and installation were one week for both boilers.

In consultation with the CAO and Treasurer, due to an emergency need for heat at the library, we approved the Battye Mechanical quotation for the supply and installation of an NTI TRX 199 high efficiency boiler, based on the boiler information listed above and the quotations received. Approval was provided in the afternoon of Monday March 30<sup>th</sup>, and installation began on the morning of Tuesday March 31<sup>st</sup>.



**Township of North Kawartha**  
280 Burleigh Street, PO Box 550, Apsley, ON K0L 1A0  
Tel: 705-656-4445 | 1-800-755-6931 | Fax: 705-656-4446  
[www.northkawartha.ca](http://www.northkawartha.ca)

### **Financial Implications:**

Not included in the 2026 budget.  
\$7,350.00 plus applicable taxes from Future Capital Reserves.

### **Strategic and/or Other Plans:**

#### Infrastructure

1. Ensure that the existing infrastructure is sustained reflective of the Asset Management Plan.

#### Governance

1. Provide Quality Community Programs and Services.
2. Provide effective, clear and transparent Township Communication.

#### Environment

1. Promote Responsible Environmental Stewardship.

### **Consultant(s) Sourced:**

Alana Solman, CAO  
Judy Everett, Treasurer

### **Attachment:**

NTI Boiler Information.