



Corporation of the Municipality of Temagami

Memo No.
2019 -M- 016

Memorandum to Council

Staff
 Committee

Subject:	2011 Backhoe/loader
Agenda Date:	December 13, 2018
Attachments:	Email- Field Service Technician , Toromont Cat Quote, Case Quote

This memorandum is for information purposes only

To be received for information

INFORMATION

The Public Works Department was clearing snow with our 2011 backhoe/loader on Friday November 16, 2018 when it made a loud noise and the engine started knocking and smoking. We shut the engine down immediately and checked all fluids and everything was good. I contacted Cat promptly.

The mechanic from Cat arrived on Monday November 19, 2018 at 8: 00 am. After taking apart the top part of the engine, it was discovered that the turbo shaft broke and pieces of it went through the intake of the engine and into all four pistons. In speaking with the mechanic it was recommended that we put a new engine in it due to the cost of rebuilding the old one. The cylinder heads, valves and valve guides have not been evaluated yet. Currently our loader has 5, 870 hours.

Public Works was hoping to allocate money in our 2019 budget to rebuild the front pins on the loader because of wear at a cost of \$10,000.

The Public Works Department uses this piece of equipment every day for various jobs. This unit is a very crucial to the daily operation for the municipality such as clearing sidewalks, parking lots, loading sand, snow, materials for all construction jobs, water and sewer breaks etc.

For now, we have rented a backhoe/loader from a local contractor for a few weeks until Council makes a decision on what we are going to doing with our backhoe/loader.

Repair Cost:

Engine rebuild	\$17,567.19
Engine core (should the core be damaged not yet determined)	\$3,944.23
Total estimate	\$21,511.42

- * This estimate does not include labour and installation.
- * This estimate does not include the \$10,000 for the front-end work.
- * Should Council decide to have this work completed we would still have a backhoe/loader with no warranty.

Quotes for a new Backhoe/Loader:

Toromont Cat - 420F2/420F2 IT backhoe/loader	\$154,611.02
Snow Plow Blade	\$12,500.00
Trade Allowance	(\$30,000.00)
Warranty included	
Total – does not include HST	\$137,111.02
Case - 580 SN WT 4WD backhoe/loader - does not include HST	\$ 138,540.00
*Does not include trade in (needs to be evaluated)	

FINANCIAL/STAFFING IMPLICATIONS

This item has been approved in the current budget: Yes No N/A
This item is within the approved budgeted amount: Yes No N/A

Prepared by:

Reviewed by:

Barry Turcotte, Public Works Superintendent