

CITY OF ELLIOT LAKE



**CITY COUNCIL - SPECIAL MEETING
AGENDA**

03-06-2019

Wednesday, March 6, 2019

4:15 pm

Committee Room

Pages

1. **CALL TO ORDER**
2. **ROLL CALL**
3. **DECLARATIONS OF CONFLICT OF INTEREST**
4. **PUBLIC PRESENTATIONS**
5. **CORRESPONDENCE LIST**
6. **REPORTS**

6.1 **March 5, 2019. Memo from the Chief Administrative officer**
re: urgent procurement of loader mounted snow blower unit

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6.2 **March 5, 2019. Report from the Chief Administrative Officer**
re: potential acquisition of property for municipal purposes.

As this matter deals with a proposed or pending acquisition of land by the municipality it may be discussed in closed session as per Section 239(2)(c) of the Municipal Act

7. **NOTICES OF MOTION**
8. **PUBLIC QUESTION PERIOD**
9. **BY-LAWS**
10. **CLOSED SESSION BUSINESS**
11. **ADJOURNMENT**



MEMO

To: Council
cc.
From: Daniel Gagnon
Date: March 5, 2019
Subject: Urgent Procurement of Loader Mounted Snowblower Unit

The City's 1998 loader mounted snowblower unit suffered a considerable break down late last week, slowing down the Public Works crews ability to cut back snowbanks (using a loader/shovel is several times slower).

Parts have been ordered at an approx. cost of \$6,000. Repairs will take several days, with hopes of the blower being back in service late this week or early next. A blower can be rented regionally at a cost of \$225 / hour.

Significant snowbank clearing work remains and the more snow removed the better for the eventual thaw and release of sand. The city would prefer to acquire a new blower unit in the short term to maximize impact on city streets and use existing staff (as opposed to renting a unit and operator).

Staff is seeking the authority to acquire a new blower unit, sole sourced from a company in the Montreal area that has units in stock that can be floated within days. The approx. cost of a new unit will be \$110,000 plus applicable taxes. Having two blowers will be beneficial for the remainder of this season as back up and also for airport tarmac clearing. This year's model unit has been researched is preferred by the Public Works dept for use on our loaders (over waiting for next's years model). See attached specs.

More research will be done before tomorrow's special council meeting to clearly identify the fleet reserve and confirm a motion to use the emergency provisions in the city's procurement policy to secure the desired new blower unit.

Respectfully Submitted,

Daniel Gagnon

RPM217

NJPA AWARDED
CONTRACT

Contract # 080114-RPM



In the background, an RPM227 snow blower in action in the Andes at Tudcum, Argentina.



TWO STAGE DUAL AUGER DETACHABLE SNOW BLOWER

WHAT MAKES US STAND OUT AND GIVES US A HEAD START

HEAVY DUTY CONTROL AND DISPLAY SYSTEM PLUS +1 FROM SAUER DANFOSS

- A controller using a multiplex CAN communication.
- High resolution grayscale LCD display of 2 in. x 4½ in.
- A 4-button CANBUS joystick with all functions integrated.
- One key ignition switch.
- Two-page display of the following information: engine revolution (rpm), engine oil pressure (psi), engine coolant temperature (°F), system voltage (V), engine load factor, fuel level, engine hour meter, engine alarm lights, clutch engagement light, work lights state, and detailed textual description of errors.
- Visual and audible alarms: low engine oil pressure light, high engine temperature light (air and coolant), low charge voltage light, system error light, low fuel level.
- Visual alarm only: starting aid, drum lock state, maintenance lamp.
- Service menu allows:
 - ◆ Configuration of the clutch
 - ◆ Configuration of the joystick
 - ◆ Setting of the language (English or French)
 - ◆ Reading of stored engine codes
 - ◆ Creation of a password to protect the configurations
 - ◆ Consultation of the records of the last 15 maintenance dates
- Controls:
 - ◆ Hydraulic operation through joystick control
 - ◆ Engine speed (RPM's) through joystick control
 - ◆ Control of working lights and/or chute headlights (optional features)
 - ◆ Switch activated clutch engagement on the control board
- Two emergency stops, one on the snow blower and one on the joystick box.



**HIGH RESOLUTION GRAYSCALE LCD DISPLAY AND
PLUS +1 JOYSTICK FROM SAUER DANFOSS**



CUSTOM MADE SNOW BLOWERS

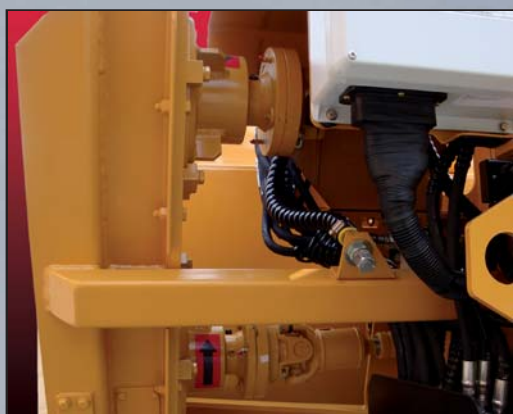
All our models of snow blowers can be modified and custom made to meet specific needs.

Our team of qualified engineers and technicians work with clients to propose necessary modifications to the snow blowers to fulfill their specific winter conditions needs and/or applications.



Two optional work lights can be installed on top of the snow blower body to improve visibility during snow removal operations.

Two sets of shear bolts protect the impeller and the augers and are easily accessible for maintenance.



The electrical box is sealed, and the hydraulic system for the valves and controls is protected from debris.



LM217 snow blower in Alert, Nunavut, Canada

RPM217 — TECHNICAL SPECIFICATIONS

PERFORMANCE

- Capacity¹: Up to 2000 tons/hour
- Projection¹: Up to 46 m (150 ft)

DIMENSIONS

- Overall width: 2794 mm (110 in.)
- Overall height: 3277 mm (129 in.)
- Overall length: 1854 mm (73 in.) max. without female coupler
- Weight: 3447 kg (7600 lb) approx.

AUGERS

- Drive: Mechanical
- Diameter: Two (2) interchangeable 431 mm (17 in.) diameter open flight augers welded in one (1) piece

IMPELLER AND DRUM

- Impeller:
 - ♦ Five (5) bolted on and concave impeller blades
 - ♦ Diameter of 851 mm (33 ½ in.)
- Drum:
 - ♦ Diameter of 864 mm (34 in.)
 - ♦ The impeller casing is hydraulically operated
 - ♦ Rotation of 150°
- Projection¹: Up to 46 m (150 ft)

FRAME

- Fully welded construction
- The frame is made of a triangular design to allow an optimal distribution of the effort from the front end of the snow blower to the quick attach

FIXED STEERING VANES

- Height: 1879 mm (74 in.)
- Working width: 2794 mm (110 in.)

STANDARD TELESCOPIC CHUTE

- Diameter: 304 mm (12 in.)
- Sections: Two (2) vertical sections, one (1) directional section and two (2) flexible sections
- Extension: 762 mm (30 in.) hydraulic extension to allow the loading chute to cast at any adjustable height from 3175 to 3937 mm (125 to 155 in.)
- Rotation: 300° minimum
- Projection¹: Up to 12 m (40 ft)

ENGINE

- Make and model: Cat® C7.1, 151 kW (202 hp) electronic Turbo Diesel Tier 3 engine
- Block heater: 1000 W

FUEL TANK

- Type: Steel
- Capacity: 211 L (56 gal)

¹Depending on snow conditions.

HYDRAULIC SYSTEM

- Type: Hydraulic pump of 23 L/min (6 US GPM) directly mounted on engine auxiliary drive
- Capacity: 9 L (2.4 gal)

ELECTRICAL SYSTEM

- Alternator: 12 V, 100 A, sealed
- Batteries: Two (2) type 31 - 2250 CCA, maintenance free
- Batteries: Standard

DRIVELINE SYSTEM

- Clutch: Twin Disc, model SP-111
- Type: Chain and gear driven with a spiral reduction bevel gear box
- Lubrification: Oil bath
- Safety mechanism: Two (2) sets of shear bolts protect the impeller and the augers

INSTRUMENT PANEL AND CONTROLS

- Model: Heavy duty control and display system PLUS +1 from Sauer Danfoss
- Controls:
 - ♦ One controller using a multiplex CAN comm.
 - ♦ One high resolution grayscale LCD display of 2 in. x 4 ½ in.
 - ♦ One joystick with integrated functions
 - ♦ One key ignition switch

SKATES AND SCRAPER BLADE

- Quantity:
 - ♦ Two (2) external skates
 - ♦ Four (4) internal skates
- Type: 44W steel skates
- Blade: One (1) reversible CHT 100 steel scraper blade

OPTIONAL EQUIPMENT

- 256 color LCD screen of 3 ⅛ in. x 5 ¾ in.
- Arctic lubrication kit (temperature under -25°C (-13°F))
- Battery heater
- Bolted ice breakers for augers
- Carbide bottom cutting edge
- Carbide chrome 60Rc (drum and chute)
- Door on the internal section of the chute to remove snow
- Hydraulic oil heater
- Low coolant level alarm
- Quick attach compatible with all loader-mounted models
- Residential Cowl muffler
- Skidshoes with carbide inserts
- Spin-on type Racor filter with heated water separator
- Wireless control system
- Wireless emergency engine shutdown system
- Work lights on the loading chute and/or the snow blower body

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