



DISTRICT OF HUDSON'S HOPE COUNCIL MEETING AGENDA

AGENDA ADDITION

Council Chambers

Monday, January 12, 2015 at 7:00 PM

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REQUEST FOR DECISION

RFD#: CM 8SR 10	Date: January 8, 2015
Meeting#: CM011215	Originator: Tom Matus, CAO
RFD TITLE: Street Sweeper Purchase	

BACKGROUND:

A Sweeper was budgeted for purchase at \$250,000 in the 2014 fiscal year Capital budget. By law this budget is carried for into the 2015 fiscal year until the new 2015 budget is approved.

DISCUSSION:

Staff has been discussing the purchase of a 2010 M4 Global Mechanical Sweeper from Falcon that was a demo model and was rented – it has 1275 hours and 7,724 kilometres. This product meets the specifications required for the District of Hudson's Hope. Falcon has offered to pay accommodation and meals for two persons of our choice to view and inspect this equipment. In the past, Falcon has supplied us with plow equipment for our 2012 International Gravel Truck bought in 2013 which we have found quite satisfactory. Sweeper parts and services are available in Prince George. Falcon is asking \$135,000 F.O.B. Hudson's Hope, BC. We also know a mechanic whom is located in Surrey and is familiar with this piece of equipment and has offered to inspect this machine with our staff if we so require.

BUDGET:

\$135,000.00 to be expensed to General Capital Works, Machinery and Equipment Reserve Funds.

RECOMMENDATION / RESOLUTION:

That Council:

Approve two people to go to Surrey and inspect this equipment and upon their positive affirmation of this equipment, Council approve the purchase of this equipment as per the District of Hudson's Hope Purchasing Policy section 1. i. vi. which reads:

- i. For the purpose of ensuring efficiency and effectiveness, the following exceptions to the normal procedure are authorized and the quotation and tender provisions of the Purchasing Policy do not apply when:

- i. **District Council by resolution authorizes a direct purchase in circumstances they consider appropriate.**

In the amount of \$135,000.00 F.O.B. Hudson's Hope, plus applicable taxes.



Tom Matus, CAO



4943 Continental Way, Prince George, B.C.

December 9, 2014

District of Hudson's Hope
Box 330
8902 "Clarke Avenue
Hudson's Hope, B.C.
VoC 1Vo

Attention: Tom Matus

We are pleased to quote a Global M4 for your consideration.

Description: M4 Broom Sweeper, Cummins ISB 280 HP, EPA, High Dump,
Hydrostatic Drive, Dual Gutter Broom, A/C

Standard Sweeper Equipment as follows:

- Sound Suppressed Cab
- 69 dBA In-Cab Noise Level
- Dust & Weather Sealed Cab
- Multi-Adjustable Suspension Seat
- Tilt and Telescoping Steering Wheel
- Tinted Safety Windows and Windshield
- Left and Right Dual West Coast Mirrors
- Windshield Wiper/Washer
- Ergonomic Go Pedal
- Coolant Temp, Oil Pressure & Voltmeter Gauges
- Coolant, Eng Oil Pressure & low Hydraulic Oil Warning Lights
- Speedometer, Tachometer & hour meter
- Fuel Level Gauge
- 130 amp Heavy-Duty Alternator
- 250 gal (945 L) Polyethylene Water Tank (Nominal)
- Gutter Broom Water Spray Jets
- Pickup Broom Water Spray Jets
- Low Water Level Light in Cab
- 15' (4.6m) Hydrant Hose with Coupling & Wrench
- Front Spray Bar
- Engine block Heater
- Centauri Pre-Cleaner
- Electrical Systems Locker
- ABS Brake System
- Auto Safety Hopper Props

Falcon Equipment Ltd.

Sales – Service – Leasing – Parts – Installations

The Right Choice For All Your Hydraulic Truck Equipment

- 5.6 cu yd (4.3 cu meter) Hopper (Volumetric)
- Hopper Dump Alarm
- 47" (1194 mm) dia. Gutter Brooms
- In-Cab Gutter Broom Pressure Adjustment
- Tuf-Grip Disposable Gutter Broom Segments
- 32" x 56.5" (813 mm x 1435 mm) Tube Type Pickup Broom
- 58" (1473mm) Wide Squeegee Type Elevator
- Gutter Boom Spotlight
- Sealed Beam Headlights
- Stop/Tail Lights, Clearance Lights
- Two 18 gal. (68 L) Hydraulic Oil Tanks
- Hydraulic Manifolds in LH Fender
- 18.5" (5.6m) Turning Radius
- Front & Rear Suspension
- All Sheet Metal Surfaces Primer Powder Coated
- All Sheet Metal Surfaces Powder Coated
- Fender Mounted Tool box
- Integral Cab Limb Guard Protection (Black)
- Front & Rear Tie Downs with Tow Hooks
- Left & Right Dual West Coast Mirrors
- Buddy Seat
- Two (2) Sweeper Service Manuals in English
- Two (2) Sweeper Parts Manuals in English
- One (1) Sweeper Operator Manual in English

Price: \$135,000.00

Included M4 Broom Sweeper Equipment as follows:

- Elevator and Hopper Flusher
- Elevator Ass'y 2-pc Bottom 11 Flights
- Triple Pump Option
- GB Speed Control
- GB Tilt, Right
- In-Cab Leaf Gate(11 Flights)
- AM/FM Radio w/CD

FOB Falcon Equipment Ltd,
Surrey, B.C.
Applicable Taxes Extra

January 8, 2015

Thank you for this opportunity to quote, if you have any questions please do not hesitate to call, we remain.

Yours truly,

Terry Friess



Phone: (250)-456-7559

Cell: (250)395-0482

Email: terry@falconequip.com



GLOBAL M4



The Global M4 Is The Winner and Still Champion

- ▶ The **Global M4** purpose-built mechanical sweeper is engineered to deliver the performance, reliability, safety, ease of use, and lowest cost of ownership that public administrations throughout the world demand. The **Global M4** is the toughest and most rugged purpose built mechanical sweeping system ever constructed.
- ▶ The **Global M4** is the only hydrostatic drive machine that has ever passed the formidable California Department of Transportation sweeper acceptance test where it was required to sweep up heavy sand at the rate of three tons per minute! That's one ton of sand every twenty seconds.
- ▶ The **Global M4** is designed to make routine maintenance easy, so your sweeper spends more time on the street and less time in the garage. Two swing-out center body panels provide unrestricted access for elevator adjustment, maintenance and daily cleaning. The **Global M4** keeps your costs and downtime to an absolute minimum.
- ▶ The **Global M4** is designed to take on the worst of the worst sweeping conditions, such as construction site clean up, state highway sweeping, and road resurfacing including millings, heavy sand and chip seal. The **Global M4** has plenty of pure, raw power.
- ▶ The **Global M4** does not require a CDL.
- ▶ The **Global M4** is also available in CNG alternative-fuel and Electric Hybrid versions.
- ▶ Compact design giving exceptional maneuverability, visibility, and operator comfort for unsurpassed safety.
- ▶ Smooth hydrostatic drive with infinite speed-control while sweeping; offering speeds up to 14 mph in sweeping mode and travel speeds up to 65 mph.
- ▶ Superior sweeping performance with a balanced system, dirt conveyor overthrow system, heavy-duty equal-width pick-up brooms, and unmatched elevator system to ensure smooth and even material flow.
- ▶ 5.6 cu/yd hopper with high dump clearance up to 116".
- ▶ Lifetime warranty on optional stainless steel hopper.
- ▶ High visibility for operator and pedestrian safety.
- ▶ Optional PM-10 water system improves air quality.
- ▶ Safe design with high visibility and fingertip controls.

Global Environmental Products

- ▶ **Reliable / Durable Equipment**
- ▶ **Innovative Engineering / Design**
- ▶ **Industry Leading Reputation**
- ▶ **Dedicated Customer Service**
- ▶ **Outstanding Sales Professionals**
- ▶ **Fast Parts and Service**
- ▶ **National Dealer Network**



Engine

Cummins ISB-280	6 cylinder injected diesel, turbocharged and intercooled. 280 HP @ 2300 RPM. EPA 2007
Cummins BG-230 (CNG Option)	Turbocharged and charge aircooled Natural Gas Engine. 230 hp @ 2800 RPM. EPA 2007
Displacement	Diesel: 409 cu in. (6.7 L) CNG: 359 cu in. (5.9L)
Maximum Torque	Diesel: 660 lb-ft @ 1600 RPM or CNG: 500 lb-ft @ 1600 RPM
Cooling System	38 qt (36 L) capacity, swing-away designed radiator
Engine Oil	15 qt (14 L).
Air Cleaner	Two-stage dry with safety element.

Traction Drive

Description	Hydrostatic drive with two speed differential final drive. Engine mounted two speed variable displacement pump and an axle mounted variable displacement traction motor. The traction system provides constant broom speed independent of vehicle speed or direction.
Range	Low (sweeping mode) = 0 – 14 mph (0 – 30 km/h), High (travel mode) = 0 – 65 mph (0 – 105 km/h).

Auxiliary Hydraulics

Description	Tandem or Triple hydraulic pump assembly utilizes separate direct mounted gear pumps to provide high torque power to elevator, main broom and gutter brooms.
Capacity	Total system – 41 gal (155L); two tanks – 18 gal (68L) each.

Sweeping

Swath	91 in. (2311mm) single gutter broom, 125 in. (3175mm) dual gutter broom
Pickup System	Balanced components
Elevator Width	58 in. (1473mm)
Broom Width	58 in. (1473mm)
Hopper Width	74 in. (1880mm)

Pickup Broom

Type	Disposable polypropylene
Size	32 in. x 58 in. (813mm x 1473mm)
Drive	Direct hydraulic, variable speed
Displacement	17.1 cu in./rev.
Speeds	Variable
Controls	Cab mounted hydraulically raised and lowered.
Position	Self adjusting for pressure and wear.

Gutter Broom

Diameter	47 in. (1194mm)
Speed	Variable
Drive	Direct high torque hydraulic
Lift	Hydraulic displacement cylinders.
Impact Protection	Hydraulic accumulators allow vertical free floating and shock absorbers allow horizontal protection.
Overload Protection Adjustments	Motor mounted relief caps Simple "tool free" settings, in-cab controls for tilt, pressure and wear

Hopper

Capacity	5.6 cubic volumetric yards (4.28 cu meters)
Lift	12,000 lbs (5445kg)
Lift Method	Dual 4 in. hydraulic cylinders.
Dump Height	116 in. (2945mm) high dump
Dump Position	Behind rear wheels, similar to dump truck.
Dump Control	Cab mounted single rocker switch
Safety Lockout	Hopper lift controls automatically prevent movement while dumping.
Location	Center mounted behind cab

Water Spray System

Capacity	250 gal. (946L)
Construction	Molded Polyethylene
Location	Below frame for stability.
Spray Nozzles	15 nozzles at various locations
Controls	Variable flow valves over each broom, master variable flow valve and shutoff switch in cab.
Filter	Cleanable.
Fill Hose	15 ft (4572mm) hose located at right center body panel.

Elevator

Type	7 or 11 Flight squeegee
Squeegee	Replaceable corded rubber tips
Belts	Continuous molded rubber
Drive	Direct hydraulic, variable with forward and reverse
Displacement	15.8 cu in./rev.
Protection	Hydraulic relief cartridge
Speed	Variable forward and reverse.
Bearings	Four 3/16 in. triple lip sealed, high load capacity with dust seals.

Elevator

Shaft	Split shaft design
Back Plate	Adjustable/replaceable bolt-on
Throw Plate	Adjustable for fill

Electrical System

Wiring	Sealed wire harness; Solid color coded wires, numbered and function labeled every 12 in. (305mm); sealed pre-wired solenoids; Circuit breaker protected.
Alternator	130 amp with dust shield
Batteries	2 – 900 CCA @ 0F; 12 volt system

Chassis

Frame	3" x 13" (76mm x 330mm) C-channel with modular body; Front & rear tow hooks.
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Instruments

Gauges	Speedometer/odometer, tachometer, hour-meter, engine oil pressure, engine water temperature, voltmeter, fuel gauge and gutter broom position indicators.
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Sweeper Dimensions

Wheel Base	130 in. (3302mm)
Length	208 in. (5283mm)
Height	120 in. (3048mm)
Width	102 in. (2591mm)
Weight	16,660 lbs (7557kg)

Paint

Powder Coated	100% TGIC
Body	White and black matte.

Options

Leafgate	Enhanced leaf pick-up
Stainless Steel Hopper	Lifetime warranty
PM-10	Reduces harmful particulates for improved air quality
CNG	Alternative fuel for reduced emissions
In-Cab GB Tilt Control	Enhances curbline cleaning
Elevator Flusher	Extends elevator component life

Air Quality Management District

The Global M4 has been designated by the South Coast Air Quality Management District as Rule 1186 Certified for its ability to pick up and contain small-micron material. It passed the rigorous Rule 1186, PM10 Certification.



5405 Industrial Parkway
San Bernardino, CA 92407 USA
Phone: 909-713-1600

info@globalsweeper.com

WWW.GLOBALSWEEPER.COM

Your Local Dealer

FALCON

LOCATION: **SURREY, BC**

CLASSIFICATION: **DEMO EQUIPMENT**

FALCONEQUIP.COM



2010 GLOBAL M4 SWEEPER

Sound Compressed Cab

250gal (945 L) Polyethylene Water Tank

Gutter Broom Water Spray Jets

Pick-up Broom Water Spray jets

Front Spray Bar

Electronic Control System Lock

ABS Brake System

5.6 Cubic-Yard Hopper

Hopper Dump Alarm

47" Gutter Brooms

(2) two 18 gal Hydraulic Oil Tank

18.5' Turning Radius

Fender-Mounted Toolbox

In-Cab Gutter Broom Pressure Adjustment

Gutter Broom Spotlights

Sealed Beam Headlights

Front and Rear Suspension

MILES: 7,724

HOURS: 1,275

RENTAL: \$7,500/MO.

\$135,000

FALCON

FINANCING AVAILABLE: OWN IT FOR AS LOW AS \$2,900/MO. @ 10% DOWN OAC









THE DISTRICT OF HUDSON'S HOPE

REPORT TO: Mayor Johansson and Council
SUBJECT: CAO Business Travel
DATE: January 8, 2015
FROM: Tom Matus, CAO

EOC Course

Taylor: January 20th & 21st;

Staff/Council Orientation

Dawson Creek: evening of February 10th & all day the 11th.

CAO Forum

Richmond BC: February 24th - 28th



Tom Matus, CAO