



West Hants
something inspiring awaits

WEST HANTS REGIONAL MUNICIPALITY REPORT

Information ☐		Recommendation ☒		Decision Request ☐		Councillor Activity ☐	
Property ☒	Public Opinion ☐	Environment ☐	Social ☐	Economic ☒	Councillor Activity ☐		

To: Committee of the Whole

Submitted by: 
Todd Richard, Director, Public Works

Date: June 11, 2024

Subject: Purchase of Equipment – Combination Vacuum Truck

LEGISLATIVE AUTHORITY

Nova Scotia Municipal Government Act, Section 65 authorizes Council to expend funds for municipal purposes.

RECOMMENDATION or DECISION REQUEST

It is recommended for Committee of the Whole to recommend to Council that:

Council authorize staff to purchase one Combination Vacuum Truck for the quoted Canoe Procurement price of \$724,542.75, from Joe John Equipment, plus a \$15,000 contingency for a total of \$739,542.75 plus net HST.

BACKGROUND

The equipment was identified and approved in the 2024-25 Capital budget. Public Works have had the opportunity to operate and explore current equipment that would meet our needs. Equipment suppliers have provided new demo units at our shop for our operations staff to review and explore the different options and controls for each unit. Staff have requested

pricing on applicable units that meet our specifications. Both suppliers are members of Canoe Procurement and have provided a firm quote.

Vendor	Canoe Procurement Quote	Delivery Date
SNY Solutions Inc. Dartmouth NS	\$737,091.36 plus net HST	Early 2025 TBD
Joe Johnson Equipment, Dartmouth NS	\$724,542.75 plus net HST	October 2024
Price Difference	\$12,548.61	

DISCUSSION

The recommendation is for a piece of equipment that will best meet our needs, follows our specifications and is chosen by many other municipalities and private contractors that utilize this equipment. The vendor recommended also has the shortest delivery time.

This specialized equipment will allow public works to improve and catch up on deferred maintenance due to lack of available resources and cost of contracting out this service. This equipment will service and maintain the following:

- 33 Sewage Lift Stations
- Over 1200 Manholes
- Over 106 Kilometers of Sewer and Storm Mains
- Over 800 Catch Basins
- 1131 Water Valves
- Numerous Tanks and Basins in Water and Sewer Facilities
- Storm water piped and ditch system maintenance including culverts
- Hydro Excavation for Water Utility work
- Reduce Sewer Odors by cleaning sewer mains that accumulate material
- Reduce Sewer Backups
- Assist with Emergency repairs of sewer mains and lift stations

NEXT STEPS

Pending approval of Council, staff would issue a Purchase Order to the successful vendor.

FINANCIAL IMPLICATIONS

Canoe Procurement was the utilized procurement method for this piece of equipment. The total cost of the equipment is \$755,625.63, after the HST rebate.

2024-25 Capital Budget – Vacuum Truck / Jet Rodder

2024-25 Cost	\$724,542.75
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Non-Recoverable Tax (4.29%)	<u>\$31,082.88</u>
Total 2024-25 Expected Cost	\$755,625.63
<i>2024-25 Roads Capital</i>	<i>\$200,000.00</i>
<i>2024-25 West Hants Water Capital</i>	<i>\$100,000.00</i>
<i>2024-25 Windsor Water Capital</i>	<i>\$100,000.00</i>
<i>2024-25 Sewer Capital</i>	<u><i>\$400,000.00</i></u>
2024-25 Total Budget Value	\$800,000.00
Variance (over budget)	\$44,374.37

Within the 2024-25 Capital Budget, this Combination Vacuum Truck is scheduled to be funded through long-term debt, West Hants Water Depreciation Fund, and the Windsor Water Depreciation Fund. As this piece of equipment has come in under budget, below is the proposed updated to the funding for it:

Department	Funding Source	2024-25 Budgeted Funding	Proposed Updated Funding
Public Works – General	Municipal Finance Division (long-term debt)	\$200,000.00	\$188,906.41
WHRM Sewer	Municipal Finance Division (long-term debt)	\$400,000.00	\$377,812.81
West Hants Water	WH Water Depreciation	\$100,000.00	\$94,453.20
Windsor Water	WIN Water Depreciation	\$100,000.00	\$94,453.20

The Combination Vacuum Truck coming \$44,374.37 under budget, allows the Municipality to withdrawal \$5,546.80 less from each of the water depreciation funds, and to request long-term debt of \$33,280.78 less than budgeted for, creating an estimated \$2,838 annual savings in debt serving costs.

ALTERNATIVES

1. Council may choose not to proceed with the equipment purchase.

ATTACHMENTS

Joe Johnson – Canoe Procurement Bid Price

SNT Solutions – Canoe Procurement Bid Price

CHIEF ADMINISTRATIVE OFFICER REVIEW

The equipment purchase is in alignment with the 2024-25 Capital budget approvals.
I support the recommendation.

Report Prepared by: 
Todd Richard, Director of Public Works

Report Approved by: 
Mark Phillips, Chief Administrative Officer



Subsidiary of Federal Signal Corporation



June 6, 2024

Municipality of West Hants
76 Morison Drive
Windsor NS, B0N 2T0

Re: Vactor 2100i Combination Sewer Cleaner

We would like to take this opportunity to thank you for your interest in both Joe Johnson Equipment (JJE), Canada's largest supplier of environmental equipment.

As proud distributors of Vactor Manufacturing's industry-leading line of, innovative sewer cleaning equipment, JJE is pleased to present the following Sourcewell quotation to provide one (1) new Vactor 2100i Combination Sewer Cleaner mounted on a Western Star 47x chassis.

We appreciate the opportunity to assist with this equipment requirement and ask that you not hesitate to contact us should additional information be required.

Respectfully Submitted,

Justin Lynch
Regional Sales Manager
Joe Johnson Equipment
Cell: (902)-430-8400
jlynch@jjei.com



705.733.7700



jjei.com



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info@jjei.com



2521 Bowman St. Innisfil, ON L9S 3V6

Clean Air. Clean Water. Clean Streets.

QUOTATION

SOURCEWELL CONTRACT: RFP # 101221

To provide One (1) New stock Vactor 2100i Combination Sewer Cleaner, mounted on a new stock 2024 Western Star 47x Chassis with an X12 Cummins Engine complete with standard equipment as follows:

Debris Body

- 12 yd³ Debris Body Capacity
- Ex-Ten Steel Cylindrical Debris Tank
- Suction Tube Storage, Curbside – 2 Pipe, Rear Door – 2 Pipe
- Flat Rear Door with Hydraulic Locks and Door Power Up / Power Down / Open / Close
- Dual 10" Stainless Steel Float Shut Off System / Rear Mounted in the Body
- Double Acting Dump Hoist Cylinder
- External Liquid Float Level Indicator
- Debris Body Vacuum Relief System
- Interior Debris Deflector Plate
- 60" Dump Height for Dumping in Dewatering Bins
- Rodder Pump Drain Valves
- Module Paint Wet-on-Wet (DuPont)
- 6" Rear Door Knife Valve with Camloc, 3:00 position
- Debris Body Washout / Flush out
- Centrifugal Separators (Cyclones)
- Folding Pipe Rack, Curbside
- Rear Door Splash Shield

Water System

- Additional Water, 1300 Gal
- 80 GPM @ 2,500 PSI Water System
- Multi-Flow Variable Pressure Water System
- Performance Package (Hydraulic Variable Flow, Dual PTO's, Dual Hydraulic Pumps)
- Curbside Mounted Water Pump
- 2" Y-Strainer with 25' Fill Hose
- 3" Y-Strainer @ Water Pump with 3" Drain Valve
- Handgun Assembly with 35' X ½" Hose with Quick Disconnects Midship Mounted
- Flexible Hose Guide
- 3 Nozzles with Carbide Inserts with Nozzle Rack and 1" Nozzle Pipe Extension (1-30°, SAND 1-30° Sanitary, 1-15° Penetrator)



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2521 Bowman St. Innisfil, ON L9S 3V6

Clean Air. Clean Water. Clean Streets.

- 10' Leader Hose
- Water Sight Tubes & Water relief valve 1"
- Accumulator System for Jet Rodder Water System
- Cold Weather Recirculation System – 25 GPM – PTO driven.
- Rodder Pump Drain Valves

Hydro Excavation Package

- 0 - 22 GPM @ 2500 PSI water system with digital flow meter
- Hydro Excavation Handgun, Lances, Nozzles, Storage Tray & Vacuum Tubes
- High Pressure Hose Reel

Vacuum System

- Single Engine Design for Maximum Performance and Fuel Efficiency Roots 824 – 18" High-Performance Positive Displacement Blower High Efficiency Triple Stainless Steel Micro-Strainers Prior to Blower Blower Air Shift Controls

Boom System

- 180 10'x10' Telescoping Boom

Hose Reel

- 600' X 1" Piranha Sewer Hose 2500 PSI
- High Pressure Hose Reel
- 15" Hydraulic Telescoping & 270° Rotating Hose Reel with Dual Controls
- Hose Reel Manual Hydraulic Extend/Retract
- Hose Footage Counter Located Front Side of Hose Reel – Mechanical
- Water Pump On / Off with 3 Position Flow Switch
- Chassis Throttle Control
- Boom Joystick Control
- Vacuum Relief Control
- Full Multi-Flow Control
- Chassis Tachometer and Hour meter
- Blower Tachometer and Hour meter
- Hour Meter for Water Pump Operation
- Hour Meter for PTO Operation
- Digital Footage Counter
- Digital Water Pressure
- Digital Water Flow



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Electrical System

- Color Coded and Function Heat Stamped Sealed Electrical System
- IntuiTouch Electronic Package
- Circuit Breakers
- LED Body Lights – Clearance, Back Up, Stop, Tail & Turn Electronic Back-Up Alarm
- Rear Camera System

Items Included specific to Chatham-Kent Build

- Additional Water, 1300 GAL
- Remote Pendant Control with 35' Cord
- Debris Body Washout/ Flush out
- 6" Rear Door Knife Valve with Camloc, 3:00 position
- Centrifugal Separators (Cyclones)
- Folding Pipe Rack, Curbside 8" Pipe
- Rear Door Splash Shield
- Lube Manifold with Lube Chart
- Air Purge
- Digital Water Level Indicator
- Debris Body Level Indicator Tied to Vacuum Relief
- 180 10' Telescoping Boom
- Belly pack Wireless Controls with Hose Reel Controls
- Cold Weather Recirculator, PTO Driven, 25 GPM
- Handgun Couplers
- Hydro Excavation Kit
- Cyclone Washout System
- 600' x1 Piranha Sewer Hose
- Hose Reel Manual Rewind
- High Pressure Hose Reel
- Rodder Pump Drain Valves
- Waterproof, Rechargeable, Wireless Handheld with LED Spotlight
- Rear Mounted LED Beacon Light w/ Limb Guard
- Front Mounted LED Beacon Light w/ Limb Guard
- Work lights (2) LED Boom
- Work lights LED Curbside
- Camera System
- Long Handle Tool Storage
- Toolbox Behind Cab 16W X 30H X96D
- Toolbox Driver Side LH Chassis Frame 60 W X24H X24D
- Internally Mounted Trash Pump



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Subsidiary of Federal Signal Corporation



- Hot Water Boiler

Vactor 2100i Purchase Price..... \$724,542.75
Mounted on a New stock 2024 Western Star 47x Chassis. Chassis specifications included as attached.
Delivery: October 2024

Sourcewell Pricing is in CND dollars
Pricing is valid for 14 days.
Delivery to be confirmed at time of order
FOB: Windsor, NS
Payment Terms: Net 30 days from receipt of unit



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2521 Bowman St. Innisfil, ON L9S 3V6

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**Joe Johnson
Equipment**

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2521 Bowman St. Innisfil, ON L9S 3V6

Clean Air. Clean Water. Clean Streets.



SNT Solutions INC

32 Topple Dr
Dartmouth, Nova Scotia
B3B 1L6
902-468-1600

West Hants Regional Municipality
75 Morison Dr
P.O. Box 3000
Windsor, NS
B0N 2T0

June 9th, 2024

Quotation

SNT Solutions Ltd is pleased to provide West Hants Regional Municipality with the following Quotation for One (1) New Sewer Equipment Company of America ECO 900 Combination Sewer Cleaner. Complete with positive displacement (PD) blower, 12 Yard Debris Body Capacity and 1300 Gallons Water Capacity equipped with the following:



DEBRIS BODY:

12 CUBIC YARD CAPACITY
EXTEN STEEL CONSTRUCTION
DEBRIS LEVEL INDICATOR
HYDRAULIC DUMP, 50° DUMP ANGLE (LIFT CLYINDER)
DUAL PORTED REAR DOOR W/ KNIFE VALVE
DUMP HEIGHT 60"
HYDRAULIC OPEN/CLOSE/LOCK DOOR



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VACUUM SYSTEM:

4400 CFM BLOWER
8" VACUUM HOSE SYSTEM
18" HG VACUUM RATING
DUAL CYCLONE SEPARATOR
DUAL ELEMENT 10 MICRON FINAL FILTER
REMOTE VACUUM RELIEF
ANALOG VACUUM DISPLAY
(6) TUBE / TUBE RACK

BOOM:

TELESCOPING BOOM SYSTEM
TELESCOPING REACH 17' 2" TO 27' 2"
HYDRAULIC POWERED BOOM
180° WORKING RADIUS
BOOM JOYSTICK CONTROL

WATER SYSTEM:

1300 GALLON CAPACITY WATER TANK
TRI-PLEX PUMP 80GPM @ 2500PSI
BLACK DURAPROLENE™ WATER TANK CONSTRUCTION
W/ 10 YEAR WARRANTY
COLD WEATHER RECIRCULATION SYSTEM
2.5" HYDRANT FILL SYSTEM
AIR PURGE VALVE
VARIABLE VOLUME DELIVERY
LOW WATER WARNING LIGHT
ANALOG PRESSURE DISPLAY
FRONT AND MID SHIP HANDGUN PORTS



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HOSE REEL ACCESSORIES:

FRONT MOUNTED TELESCOPING & ROTATING
800' X 1" HOSE CAPACITY
10' LEADER HOSE
SINGLE SIDE CONTROLS

ACCESSORIES:

(1) 8" X 6' CROWNED SUCTION NOZZLE
(1) 6" X 10' FLAT DISCHARGE HOSE
(6) QUICK CLAMPS
BB HOSE GUIDE
TRI-STAR (CHISEL POINT) NOZZLE
DD (HIGH FLOW) NOZZLE
FINNED NOZZLE EXTENSION
NOZZLE RACK (MOUNTED MIDSHIP TOOLBOX)
25' FILL HOSE
(1) 8" X 3' EXTENSION TUBE
(3) 8" X 6' EXTENSION TUBE

RECOMMENDED ADDITIONAL OPTIONS INCLUDED IN PRICE:

VAC ON THE GO

DEBRIS BODY PUMP OFF SYSTEM (4" hydraulic driven pump rated @ 800 gpm located on rear door of debris box, includes swing out decant screen)

COLD WEATHER HYDROEXCAVATION CLEANING KIT 10 GPM @ 2000 PSI (includes 400,000 BTU diesel fired water heater in enclosed cabinet)

AUTOMATIC LEVEL WIND WITH HYDRAULIC UP/DOWN ACTION AND PINCH ROLLER

STANDARD HYDROEXCAVATION CLEANING KIT

MANUAL FOOTAGE COUNTER

REAR TOOLBOX WITH (2) LONG HANDLE TOOL STORAGE TUBES (INCLUDES (2) 24"X18"X18" BOXES, (1) 63.75"X17.25"X12" CABINET AND (2) 4" TUBES)

(2) 30"X18X18 TOOLBOXES.

FRONT BUMPER TOOLS BOX WITH LOCKING COVER



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DUAL VARIABLE VACUUM CONTROL VALVE FRONT REEL AND SIDE PANEL

DEBRIS BODY WASH OUT SYSTEM (INCLUDES DUAL NOZZLES IN DEBRIS BODY)

DECANT SCREEN ON REAR DOOR PORT (SWING OUT PERFORATED SHIELD)

WIRELESS REMOTE-CONTROL PENDANT (CONTROLS INCLUDE HOSE REEL PAYOUT/RETRIEVE, WATER PUMP ON/OFF, VACUUM RELIEF OPEN/CLOSE, BOOM UP/DOWN, BOOM LEFT/RIGHT, BOOM EXTEND/RETRACT, AND MODULE KILL SWITCH) WITH ALARM SYSTEM.

WIRELESS REMOTE ALARM (BUZZER ALARM SOUNDS OFF WHEN TRUCK IS TAKEN OUT OF NEUTRAL WITH REMOTE NOT IN DOCKING STATION)

ENHANCED VISIBILITY CAMERA SYSTEM (INCLUDES FRONT AND REAR MOUNTED CAMERA HEADS WITH MONITOR IN CAB)

LED ARROW STICK

MANHOLE AREA WORKLIGHT

SIX LED MOUNT STROBES TWO FRONT, TWO SIDE AND TWO REAR

LED REAR MOUNTED WORK LIGHTS (2): LOCATED ABOVE REAR DOOR.

LED CURB SIDE MOUNTED WORK LIGHT

2 LED BOOM MOUNTED WORK LIGHTS WITH GUARDS

LED HANDHELD WIRELESS 12V/110V RECHARGEABLE SPOTLIGHT WITH STORAGE

CENTRAL LUBRICATION SYSTEM

CENTRAL WASH DOWN WITH REEL

DEBRIS LEVEL AUDIBLE ALARM

AIR PURGE WATERERIZATION SYSTEM

SIX DOT CONES AND HOLDER



SNT Solutions INC

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Dartmouth, Nova Scotia
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COMPLETE UNIT PRICING:

2024 WESTERN STAR – 47X WITH ALLISON RDS AUTOMATIC TRANSMISSION

TOTAL PRICE..... \$759,888.00 PLUS TAX

CANOE PROCURMENT PRICE..... \$737,091.36 PLUS TAX

OPTION

CATCH BASIN PACKAGE MOUNTED ON FRONT BUMPER (fold away arm with additional hose extension and clamps)

PRICE..... \$9,949.00 PLUS TAX

CANOE PROCURMENT PRICE..... \$9,651.00 PLUS TAX

~Terms & Conditions ~

Pricing: Canadian dollars, taxes extra. Quote valid for 14 days only.

F.O.B.: Dartmouth, NS

Payment Terms: due prior to receipt of equipment

Delivery: To be discussed at time of order

Kyle Breen
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