

RESOLUTION NO. 3211

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON, AUTHORIZING THE PURCHASE OF A WACHS UTILITY STANDARD LX SKID MOUNTED VACUUM UNIT.

WHEREAS, a skid mounted vacuum unit is essential for the water department to operate efficiently and maintain its vast network of valves; and

WHEREAS, the city desires this unit for maintenance and troubleshooting the 3485 valves across 220 miles of water distribution system; and

WHEREAS, three quotes were solicited, and Wachs Utility Products provided the lowest quote for the City's identified needs; and

WHEREAS, the Wach's Utility Products quote is in the amount of \$66,154.92 which includes sales tax; and

WHEREAS, City staff is requesting authorization to purchase Wachs utility standard LX skid mounted vacuum unit; and

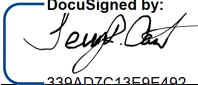
WHEREAS, to fund this purchase, it is requested that funds be allocated from the Cedar View water main replacement project; and

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, WASHINGTON DOES HEREBY RESOLVE AS FOLLOWS:

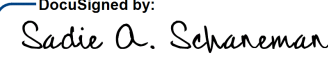
Section 1. Authorization to Purchase. The Mayor is authorized to direct staff to purchase the Wachs Utility Products skid mounted vacuum unit from Wach Utility Products for the water department in the amount of \$66,154.97.

Section 2. Transfer of Funds Authorized. The Mayor is authorized to direct city staff to transfer \$66,154.97 from the Cedar View Water Main Replacement project.

PASSED by the City Council this 28th day of May 2024.

DocuSigned by:

339AD7C13E9E492...
Terry Carter, Mayor

AUTHENTICATED:

DocuSigned by:

975A05C52D794C6...
Sadie A. Schaneman, CMC, City Clerk

City of Bonney Lake, Washington
City Council Agenda Bill (AB)

Agenda Item Type: Resolution	Agenda Bill Number & Ordinance/Resolution/Motion Number: AB24-45 & R24-45	
Department/Division Submitting: Public Works Operations	Presenter: Jim Miracle/Jason Sullivan	City Strategic Goal Category:

Agenda Subject: Procurement Of Wachs Utility Products Skid Mounted Vacuum Unit.

Full Title/Motion: A Resolution Of The City Council Of The City Of Bonney Lake, Pierce County, Washington, Authorizing The Purchase Of A Wachs Utility Standard LX Skid Mounted Vacuum Unit.

Administrative Recommendation: Approve.

Background Summary: A Skid Mounted Vacuum Unit Is Essential For The Water Department To Efficiently Operate And Maintain Its Vast Network Of Valves, Encompassing 3485 Valves Across 220 Miles Of Distribution System Mains, This Unit Aids In The Regular Maintenance And Troubleshooting Of Valves, Ensuring Optimal Functionality, And Minimizing Disruptions To Water Service. Additionally, It Assists In Identifying Service Line Material Types, A Crucial Aspect For Effective Maintenance Planning And Infrastructure Upgrades. By Employing Such A Unit, The Water Department Can Streamline Its Operations, Enhance System Reliability, And Ultimately Deliver High-Quality Water Service To The Community.

Attachments: Resolution 24-45, Wachs Utility Products Quote.

BUDGET INFORMATION			
Budgeted Amount	Current Balance	Expenditure Amount Needed	Budgeted Balance Difference
		\$66,154.92	
Budget Explanation: This Purchase Was Not Included In The 2023/2024 Budget. Staff Propose Transferring Funds From The Cedar View Water Main Replacement Project As It Is Not Being Pursued. The Cedar View Water Main Replacement Project Remaining Balance Is \$1,327,751.00.			

COMMITTEE, BOARD & COMMISSION REVIEW					
Committee/Commission/Board: Finance					
Public Hearing Date:					
	Return/To Committee/ Commission/Board	Council Workshop Discussion	Consent Agenda	Committee/Council Full Issues	Chair Approval
Date: 5/14/2024	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes	
Date:	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Date:	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
Date:	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	

Hearing Examiner Review:

COUNCIL ACTION	
Workshop Date(s):	Public Hearing Date(s):
Meeting Date(s): 5/28/2024	Tabled To:

APPROVALS		
Department Director: <i>Jason Sullivan</i>	Mayor: <i>Terry Carter</i>	Date Reviewed By City Attorney (if applicable):



600 Knightsbridge Parkway, Lincolnshire, Illinois 60069
 (847) 537-8800 | Fax (847) 520-1147
 turnvalves.com

Quotation

Page 1 of 1

TO: **Anthony Wissinger**
 Water Distribution Lead
 City Of Bonney Lake
 21719 96Th Street E.
 Buckley, WA 98321

Date: 1/12/2024
 Quotation Number: CD208588
 Payment Terms: Net 30 Days
 Shipping Terms: FCA Origin
 Valid Through: 3/12/2024
 Estimated Delivery: 8 Weeks ARO
 Reference: CD202338

E.H. Wachs is pleased to offer the following quotation.

Item Number	Description	Qty	U/M	Unit Price (USD)	Disc%	Line Total (USD)
1	77-000-61 Standard Builder (Gas) – VMS (RH): Includes the foundational skid platform and option integration. First choose the type of 27 HP (20 kW) gasoline powered Kohler overhead cam air cooled engine power plant; the basic power pack (77-230-02) has a positive displacement blower providing 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum and a 2.5 GPM (9.5 LPM) @ 3000 PSI (210 bar) pressure washer system with 3 gallon (11.4 L) anti-freeze tank and 95 gallon (360 L) water tank. The hydraulic power pack (77-230-03) adds HTMA Class II hydraulics; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 2,000 PSI (140 bar). As part of either power pack option is choice of (3) different spoils containment tanks, all with power hydraulic dump (rear discharge) and latching rear door; best value comes from the default 250 (950 L) gallon (77-431-02-00), but a 150 (570 L) gallon (77-433-02) and 350 (1,325 L) gallon (77-432-02-00) are also available. Valve machines are available if the hydraulic power pack is selected; Wachs TM-7 HD Plus (up to 2,500 ft-lb [3,390 Nm] of torque) with both automated and manual control valve operator (Grand option: 17-405-00) for those stubborn valves, Wachs ERV-750 Extended Reach Valve operator (up to 750 ft-lb [1020 Nm] of torque) with Bluetooth & telescoping valve key (79-404-00) for those preventive maintenance activities and ruggedized TC-100 with GPS, Vitals controller/datalogger (79-422-05), only one required per system.	1	EA	9,745.00	3.0%	9,452.65
2	77-230-12 Power Pack, Gas (no hydraulics) for VMS systems: 27 HP (20 kW) gasoline powered, Kohler overhead cam, air cooled engine; drawing fuel from a 10 gallon (38 L), hydro formed and rolled DOT approved aluminum tank provides ample power for all contained functions. Includes a positive displacement blower provides 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum, and a 2.5 gpm (9.5 LPM) @ 3000 PSI (210 bar) pressure washer system with 3 gallon (11.4 L) anti-freeze and 95 gallon (360 L) water tank. Vacuum wand system with quick change 2-1/2" (63.5mm), 1-1/4" (31.75mm) & 7/8" (22mm) diameter suction wands and one each short and long wash-down guns.	1	EA	23,245.00	3.0%	22,547.65
3	77-432-02-00 350 Gallon Spoils Tank Assembly utilizing industry exclusive hydraulic side and dump system (translating 3" before lifting) and hydraulic latching rear door. Tank manufactured from 3/16" thick P&O plate for durability, then sandblasted and powder coated for long life. Includes quick clean cyclone filter and electric/hydraulic HPU. Note: This Spoils Assembly is produced on a as needed basis for those who have tasks planned beyond just valve box cleanout and as a result lead times are longer and pricing is higher than the standard 250 gallon.	1	EA	21,995.00	3.0%	21,335.15
4	79-430-20 Field training - 1 day program. Training topics range from field operation of the mechanical systems like hydro-excavation and Valve operator; to training of computerized controllers and preventive maintenance software like VITALS. Field crews and participants will be shown, in detail, standard procedures for safe and efficient operation and use of valve maintenance tools.	1	EA	2,495.00	100.0%	0.00

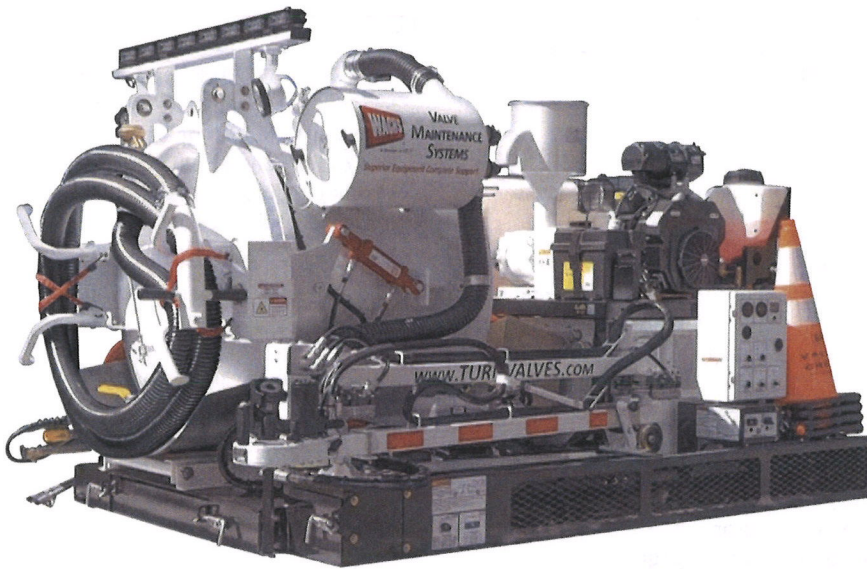
Subtotal 53,335.45
Motor Freight 7,080.00
Total (USD) \$60,415.45

NOTE: Pricing does not include applicable sales taxes.

To place your order please contact Ken Redding at KRedding@EHWachs.com or via phone at 847-484-2773.

Sales of E.H. Wachs products and services are expressly limited to and made conditional on acceptance of its current Terms and Conditions of Sale, found at www.ehwachs.com ("Terms"). Any additional or different terms are hereby rejected. Commencement of work by E.H. Wachs or acceptance of delivery of products by you constitutes your acceptance of the Terms.

INFORM. RENEWAL
034.534.50.48.19



Complete System
 Built to Exercise and Rehabilitate
 Your Valves and Hydrants

STANDARD LX
 VALVE MAINTENANCE SYSTEM
 GAS MODEL (SHOWN) [77-000-55]
 DIESEL MODEL [77-000-54]

The Wachs Valve Maintenance System has all the tools for water distribution preventative maintenance. Built for safe operation, a two-person crew can find valves, wash out valve boxes, and safely exercise and rehabilitate valves up to 13 feet away with the ERV-750 valve exerciser with the built-in automation. The included handheld computer with VITALS® Software records the valve info and status for transfer back to headquarters.

This versatile platform can be mounted to a medium-duty truck with a flatbed or a heavy duty truck with a custom service body. The *Grand* upgrade option of this system is the heavy duty Wachs TM-7 HD Plus valve exerciser (2,500 ft-lb torque) to be used in emergencies on stuck and stubborn street valves.

FEATURES

- Ready to bolt down and run
- Curbside control for improved operator safety
- ERV-750 valve exerciser
 - Ideal for preventative maintenance and rehabilitation
 - Reach curbside valves
 - Operate multiple valves and hydrants from a single location
- Vacuum System
 - Capture debris and spoils from valve boxes
- HTMA Class II hydraulic circuit
 - 10 gal reservoir
 - Fan-cooled heat exchanger
 - 45 ft hoses w/ reel
- Rugged TC-100 handheld computer
 - VITALS® Valve Software Preloaded
 - Bluetooth & Cable Connectivity
- LX LED Light Package
 - Control Panel
 - Programmable Arrow Board
 - Directional spot lights
- Pressure washer system
 - Short wash down gun
 - Long hydro excavation gun
 - 95 gal water tank/reservoir
 - 50ft retractable hose w/ reel
- Heavy Duty Frame with Storage
- Fits medium duty standard and wide-body flatbed trucks



With the ERV-750 extended reach valve exerciser an operator can turn multiple nearby valves without moving the vehicle



A two-person crew can excavate and vacuum debris from valve boxes for easy access



The Standard LX skid can be mounted on trucks from a medium duty flatbed up to a heavy-duty custom service body



Optional TM-7 HD Plus valve operator provides 2500 ft-lb of torque for turning large valves

SPECIFICATIONS

ERV-750

- » Bluetooth Connectivity
- » Remote and Wireless Operation
- » Hydraulic
- » Integrated automation circuitry
- » Up to 750 ft-lb torque
- » Mount point and center pivot feature locking disc brakes
- » 270° lateral range of motion from base
- » 300° lateral range from center pivot

VACUUM SYSTEM

- » 500 CFM-11 inch Hg positive displacement blower
- » 250 Gal spoils tank
- » Push-button hydraulic slide, lift, and dump action
- » Automatic latching doors
- » Quick change connections
- » 3 in x 20 ft flexible vacuum hose
- » Handles on hose connection
- » 2-1/2 inch suction wand
- » 1-1/4 inch suction wands
- » 7/8 inch suction wands
- » Elbow Connector

LIGHT BAR

- » Programmable Arrow Board
- » Dual LED Spotlights
- » Control Panel integration

HYDRAULIC HOSE REEL

- » 45 ft X 1/2 inch diameter hydraulic hose set w/quick disconnects
- » Spring retractable
- » Top roller wheel

HTMA CLASS II HYDRAULIC CIRCUIT

- » 10 gal reservoir
- » Fan-cooled Heat Exchanger
- » 8 gpm @ 2000 PSI

2.5 GPM @ 3000PSI PRESSURE WASHER

- » 20 in short gun-style wash-down wand
- » 53 in long gun-style high-pressure wand with adjustable spray
- » 45 ft hose reel
- » 95 gal water tank
- » 3 gal antifreeze reservoir

TC-100 RUGGEDIZED HANDHELD COMPUTER

- » IP68 Rated
- » MIL-STD-810 Military Grade
- » Windows 10 IoT Enterprise
- » 7 inch display
- » Built-in GPS
- » VITALS preloaded
- » 12v vehicle charging cable
- » USB sync cable
- » Machine control cable
- » Screen protector

ENGINE OPTIONS

GAS POWER [77-000-55]

- » 27 HP Kohler overhead cam, air-cooled engine
- » 10 gallon, hydro formed and rolled DOT approved aluminum fuel tank

DIESEL POWER [77-000-54]

- » Tier 4F compliant, Kubota 1.1L, I-3 4-stroke, liquid cooled, IDI diesel engine
- » 10 gallon (38 L), hydro formed and rolled DOT approved aluminum fuel tank

VALVE KEY OPTIONS

COLD CLIMATE TELESCOPING VALVE KEY

- » 24lb (10.9 kg)
- » T-handle Adapter
- » Rated for 800 ft-lb torque
- » 1 inch interface 4 ft - 9 ft

WARM CLIMATE TELESCOPING VALVE KEY

- » 24lb (10.9 kg)
- » T-handle Adapter
- » Rated for 800 ft-lb torque
- » 2 inch interface 3 ft - 8 ft

UPGRADES

TM-7 HD PLUS (GRAND OPTION A)

- [17-405-00]
- » Bluetooth Connectivity
- » Remote, Wireless, and Manual Operation
- » Hydraulic
- » Integrated automation circuitry
- » Up to 2,500 ft-lb torque
- » Digital Revolution Counter
- » Torque Output Gauge
- » 8 ft valve key

— OR —

DRIVER SIDE JOB BOX (OPTION B)

- [77-409-00]
- » Polished Aluminum
- » Diamond Plate Pattern
- » Lockable Storage



The ruggedized TC-100 handheld computer / wireless controller / datalogger provides intuitive remote exerciser control

ACCESSORIES

45 LB HYDRAULIC BREAKER [08-000-10]

- » 5 in x 11 in Asphalt Cutter [08-410-01]
- » 14 in Moil Point [08-410-02]
- » 3 in x 14 in Long Chisel [08-410-03]
- » Locking Hydraulic Breaker Mount for trailer [08-405-00]

TRIMBLE R2 [79-412-02]

- » GNSS receiver for centimeter level GPS

VALVE NUT RX [08-000-15]

VALVE BOX BUDDY [08-000-26]

WDP3500 DEWATERING PUMP [08-000-03]

- » 3 in discharge hose

WTP4800 TRASH PUMP [08-000-04]

- » 4 in discharge hose

WARRANTY

E.H. Wachs machine tools and their associated parts are warranted against defects in materials and workmanship for a period of twelve months from the date of purchase. E.H. Wachs expressly reserves the right to repair or replace only those parts which prove to have been defective at the time of purchase. This warranty becomes void if maximum flow and pressure ratings are exceeded.

CONTACT US TODAY FOR A DEMONSTRATION OR QUOTATION

E-mail: sales@turnvalves.com

Telephone: (847) 537-8800

Fax: (847) 520-1147

Toll Free: (800) 323-8185

Visit our website: turnvalves.com



Improve your water distribution system reliability today with a Wachs Valve Maintenance System