



# Memo

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TO: Public Works Committee  
FROM: Ed Andrews, Public Works Director  
DATE: June 30, 2017  
SUBJECT: Vacuum Truck

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Through discussions during the budgeting session for this fiscal year, the replacement of the City's 2008 dual-engine Vactor truck was discussed. It is under a 10-year replacement schedule replacement, advanced by two years to allow for upgrade to tandem unit with additional capacity. This unit serves as frontline for not only jetting sewers but also hydro excavating, potholing for critical JULIE locates and other UG infrastructure.

The current budgeted amount of the upgrade is \$400,000, forecasted with a minimum trade-in of \$77,500 and an accrued MERF replacement budget of \$287,900 leaving a nominal outlay to be split by 75%-12.5%-12.5% (Sewer-Streets-Water) depending on the option selected.

Vactor and Vac-Con demonstrated their units to the City in mid-May and also a follow up demonstration by Vactor with a two stage fan, all under various real-world situations directed by staff, i.e. a lift-station drawdown and hydro exaction. The City's concerns with Vactor's move to a single engine chassis power was addressed by Vactor's follow up offer on June 19<sup>th</sup> to build a dual engine unit. This helped to reduced previous concerns with a single engine - chassis only powered. As such, the dual engine options quoted by both manufacturers are provided below:

Manufacturer & Model	Vendor	Price	Trade	Total
<b>Vactor 2100+</b> (2 Engine, Dual Diesel Tier IV Chassis & Tier III Body)	<b>COE</b>	<b>\$367,610</b>	<b>\$ 90,000</b>	<b>\$281,210</b>
Vac-Con 1500LXHP (2 Engine Powered, Diesel & Gas)	EJ Equipment	\$393,374	\$100,000	\$293,374
Vac-Con 1500LXHP (2 Engine Powered, Dual Diesel Tier IV)	EJ Equipment	\$408,797	\$100,000	\$308,797

As such it is staff's recommendation to engage Coe Equipment for a not to exceed (NTE) purchase amount of **\$281,210** for the Vactor 2100+ dual engine unit.

This matter has also been placed on the City Council agenda of Monday, July 3<sup>rd</sup>, 2017 for review and approval.

cc: File

**E J EQUIPMENT, INC.**  
PO Box 665 • 6949 N. 3000 E. Rd.  
Manteno, IL 60950  
PH: (815) 468-0250 • Fax: (815) 468-8055  
www.ejequipment.com



Ship To: SAME AS BELOW

Invoice To: CITY OF WASHINGTON  
301 WALNUT  
WASHINGTON IL 61571

Branch 01 - CENTRAL		
Date 05/26/2017	Time 11:42:06 (O)	Page 1
Account No. WASH001	Phone No. 3097453503	Estimate No. 000686
Ship Via		Purchase Order
CRAIG SUHRE		Salesperson S21 / 304

Attention: KEVIN SCHONE

**EQUIPMENT ESTIMATE - NOT AN INVOICE**

Description      \*\* Q U O T E \*\*      EXPIRY DATE: 06/25/2017      Amount

VAC-CON V312LHA/1300      393374.00

MOUNTED ON A FREIGHTLINER 114SD CHASSIS

\*PLEASE SEE ATTACHED BUILD SHEET FOR EQUIPMENT SPECS\*

AVAILABILITY: 90-120 DAY AFTER RECEIPT OF CHASSIS

Trade Ins

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VACTOR MODEL 2110J6

Serial #: 08-07V11306

100000.00-

Subtotal: 293374.00

Authorization: \_\_\_\_\_ Quote Total: 293374.00

PLEASE NOTE: PER MIKE KAUTZ, LIFETIME WARRANTY ON WATER TANKS INCLUDED

OPTIONAL EQUIPMENT, NOT INCLUDED IN ABOVE PRICING

CAMERA, FRONT AND REAR

ADD \$2,222.00

JD AUX ENGINE (IN LEAU OF GAS)

ADD \$15,423.00

X

Received By



## **Presents a Proposal Summary**

of the



### **2100 Plus**

Combination Single Engine Sewer Cleaner with Positive Displacement Vacuum System Mounted on a Heavy Duty Truck Chassis

for

**City of Washington  
301 Walnut St.  
Washington, Illinois 61571**

**Brad Franklin  
Tel:**

## **PRODUCT DESCRIPTION**

Vactor 2100 PLUS with 2 stage aux engine vacuum system , 12 Yard Debris body, 1500 Gallons of Fresh Water

## **STANDARD FEATURES**

- 48" x 22" x 24" Curb Side Aluminum Toolbox
- Aluminum Fenders
- Mud Flaps
- Electric/Hydraulic Four Way Boom
- Color Coded Sealed Electrical System
- Remote Pendant Control w/35' Cord
- Vansco-Electronic Package
- Double Acting Dump Hoist Cylinder
- Handgun Assy. w/1/2" x 35' Hose w/Quick Disconnects
- 3" Y-Strainer at Water Pump Inlet
- Ex-Ten Steel Cylindrical Debris Tank
- Flexible Hose Guide
- 30 Deg. Sand Nozzle w/Carbide Inserts
- 30 Deg. Sanitary Nozzle w/Carbide Inserts
- 15 Deg. Penetrator Nozzle w/Carbide Inserts
- Nozzle Storage Rack
- Vacuum Tube Storage: Curbside (2) Pipe, Rear Door (2) Pipe
- 1" Nozzle
- 1" X 10' Leader Hose
- Flat Rear Door w/Hydraulic Locks and Door Power-up/Down, Open/Close Feature
- Dual 10" Stainless Steel Float Shut Off System/Rear Mounted
- Debris Body Vacuum Relief System
- Debris Deflector Plate
- 60" Dump Height
- Water Sight Gauge DS/PS
- Liquid Float Level Indicator
- Boom Transport Post Storage
- 3" Y-Strainer @ Water Pump w/3" Drain Valve
- Performance Package: (Hyd Variable Flow, Dual PTO's. Dual Hyd. Pumps)
- 1" Water Relief Valve for Vactor Water Pump
- Hydraulic Cooling Package
- Midship Handgun Coupling
- Side Mounted Water Pump
- Hose Wind Guide (Dual Roller)
- Hose Footage Counter - Mechanical
- Hose Reel Manual Hyd. Extend/Retract
- Hose Reel Chain Cover (Full)
- Tachometer/Chassis Engine W/Hourmeter
- Circuit Breakers
- LED Lights. Clearance, Back-Up, Stop, Tail & Turn
- Tow Hooks, Front and Rear
- Electronic Back-Up Alarm
- Hydraulic Tank Shutoff Valves
- 8" Vacuum Pipe Package
- Emergency Flare Kit
- Fire Extinguisher 5 Lbs.

- Water Pump Hour Meter
- PTO Hour Meter
- Vactor 2100 Plus Body Decal - Silver
- Chassis Modifications
- Vactor Manual, Partial Manual and USB Version - 1 + Dealer

### **ADDITIONAL FEATURES**

- 3" Y-Strainer w/25' Fill Hose
- 304 Stainless Steel Water Tanks Upgrade in lieu of Aluminum
- 2 stage Plus style fan system with John Deere 6 cylinder tier 3 aux engine
- 180 Degree Rotation, 10 Ft. Hydraulic Telescoping Boom, Front Loading 8" Suction Hose
- 80 GPM Variable Flow Water System
- 2500 PSI Water Pressure
- 1" x 600' Sewer Hose, 2500 PSI
- Hydraulic Extending/Rotating 15" Hose Reel (1" x 800') Capacity
- Module Paint, Dupont Imron Elite - Sanded Primer Base
- Debris Body Flush Out System
- Full Rear Door Swinging Screen
- Centrifugal Separators
- Folding Pipe Rack, Curbside
- Folding Pipe Rack, Streetside
- Rear Door Splash Shield
- Lube Manifold
- Plastic Lube Chart
- Low Water Light w/Alarm and Water Pump Flow Indicator
- Front Joystick Boom Control
- Wireless Controls, including hose reel controls
- Cold Weather Recirculator, PTO Driven, 25 GPM
- Rodder System Accumulator- Jack Hammer on/off control w/ manual valve
- Automatic Hose Level Wind Guide, Indexing
- Digital Hose Footage Counter
- Handgun Hose Reel w/Spring Retract
- Rodder Pump Drain Valves
- Rear Directional Control, Split LED Arrow Traffic Controller, 10 Lights
- Hand Light w/Retractable Reel
- DOT 3 Lighting Package, 4 Federal Signal Strobe Lights, LED
- Worklights (2), LED, Telescoping Boom
- Toolbox, Front Bumper Mounted, 16 x 12 x 18 w/(2) LED Side Markers
- Toolbox, Behind Cab
- Toolbox, Driver Side Chassis Frame, 24w x 24h x 24d
- Toolbox, Driver Side Subframe, 18w x 24h x 24d
- (4) Long Handle Tool Storage Locations Behind Cab
- Camera System, Front and Rear
- Digital Water Pressure Gauge

### **Additional options included in this proposal:**

- Hydro Excavation Kit/Retract Reel. Note: 75'x ½" HXX reel in lieu of standard
- 450GPM, 4" Trash pump mounted on rear door
- 5-year warranty on Vactor jet rodder pump

Cab Color - White  
Module Paint Color - Red  
Module Paint Color Code - L3781EB Viper red

**Chassis:**

One New 2018 Freightliner FL114SD 6x4 tandem axle chassis  
370HP Cummins engine  
Allison Automatic transmission  
Color: White  
(Please see attached truck specification for full chassis details)

**Vector module Price..... \$ 273,992.00**  
**2018 Freightliner FL114 chassis ..... \$ 97,218.00**  
**Less trade in allowance for city's 2008 Sterling/ Vector \$(90,000.00)**  
**Subtotal..... \$ 281,210.00**

\*\*Price includes delivery and operator training  
Note: License and title to be billed separate.

Price valid for 30 Days from date of 6/30/2017

Product Model: 2100PLUS

P.O. Number: \_\_\_\_\_

Payment Terms: net

**Proposal Notes:**

1. Changes or deviations to any unit of a multiple unit order will require a new signed proposal.
2. Chassis specifications and data codes for customer supplied chassis must be submitted to and approved by Vector Manufacturing prior to submittal of customer purchase order
3. All prices quoted are in US Dollars unless otherwise noted.

SIGNED BY:

\_\_\_\_\_ Date: \_\_\_\_\_

## LIMITED WARRANTY

**Limited Warranty.** Each machine manufactured by VACTOR/GUZZLER MANUFACTURING (or, "the Company") is warranted against defects in material and workmanship for a period of 12 months, provided the machine is used in a normal and reasonable manner and in accordance with all operating instructions. In addition, certain machines and components of certain machines have extended warranties as set forth below. If sold to an end user, the applicable warranty period commences from the date of delivery to the end user. If used for rental purposes, the applicable warranty period commences from the date the machine is first made available for rental by the Company or its representative. This limited warranty may be enforced by any subsequent transferee during the warranty period. This limited warranty is the sole and exclusive warranty given by the Company.

### STANDARD EXTENDED WARRANTIES (Total Warranty Duration)

<u>2100 Series, HXX, Series and Jetters</u>	10 years against water tank leakage due to corrosion. Nonmetallic water tanks are covered for 5 yrs. against any factory defect in material or workmanship.
<u>2100 Series and HXX only</u>	5 years against leakage of debris tank, centrifugal compressor or housing due to rust-through.
<u>2100 Series and Jetters</u>	2 years - Vactor Rodder Pump on all unit serial numbers starting with 13##V#####.

**Exclusive Remedy.** Should any warranted product fail during the warranty period, the Company will cause to be repaired or replaced, as the Company may elect, any part or parts of such machine that the Company's examination discloses to be defective in material or factory workmanship. Repairs or replacements are to be made at the selling Vactor/Guzzler distributor's location or at other locations approved by the Company. In lieu of repair or replacement, the Company may elect, at its sole discretion, to refund the purchase price of any product deemed defective. The foregoing remedies shall be the sole and exclusive remedies of any party making a valid warranty claim.

This Limited Warranty shall not apply to (and the Company shall not be responsible for):

1. Major components or trade accessories that have a separate warranty from their original manufacturer, such as, but not limited to, trucks, engines, hydraulic pumps and motors, tires and batteries.
2. Normal adjustments and maintenance services.
3. Normal wear parts such as, but not limited to, oils, fluids, vacuum hose, light bulbs, fuses, gaskets.
4. Failures resulting from the machine being operated in a manner or for a purpose not recommended by the Company.
5. Repairs, modifications or alterations without the express written consent of the Company, which in the Company's sole judgment, have adversely affected the machine's stability, operation or reliability as originally designed and manufactured.
6. Items subject to misuse, negligence, accident or improper maintenance.

**\*NOTE\*** The use in the product of any part other than parts approved by the Company may invalidate this warranty. The Company reserves the right to determine, in its sole discretion, if the use of non-approved parts operates to invalidate the warranty. Nothing contained in this warranty shall make the Company liable for loss, injury, or damage of any kind to any person or entity resulting from any defect or failure in the machine.

**THIS WARRANTY SHALL BE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE DISCLAIMED.**

This warranty is in lieu of all other obligations or liabilities, contractual and otherwise, on the part of the Company. For the avoidance of doubt, the Company shall not be liable for any indirect, special, incidental or consequential damages, including, but not limited to, loss of use or lost profits. The Company makes no representation that the machine has the capacity to perform any functions other than as contained in the Company's written literature, catalogs or specifications accompanying delivery of the machine. No person or affiliated company representative is authorized to alter the terms of this warranty, to give any other warranties or to assume any other liability on behalf of the Company in connection with the sale, servicing or repair of any machine manufactured by the Company. Any legal action based hereon must be commenced within eighteen (18) months of the event or facts giving rise to such action.

The Company reserves the right to make design changes or improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.



VACTOR/GUZZLER MANUFACTURING

1621 S. Illinois Street  
Streator, IL 61364

## TERMS AND CONDITIONS

**ORDERS:** All orders are subject to acceptance by Vactor Manufacturing, Inc. or Guzzler Manufacturing, Inc. (hereafter referred to as Vactor). Orders for products not normally carried in stock or requiring special engineering or manufacturing is in every case subject to approval by Vactor's Management.

**PRICES:** All orders are subject to current prices in effect at the time of order acknowledgement.

**F.O.B. Point:** Unless otherwise stated, all prices listed are F.O.B. factory.

**PAYMENT TERMS:** The company's payment terms are due upon receipt, unless otherwise stated. However, until such time as Vactor receives full payment, Vactor shall maintain a purchase money security interest in the product.

**CANCELLATION:** Orders regularly entered cannot be cancelled except upon terms that will compensate Vactor for any loss or damage sustained. Such loss will be a minimum of 10% of the purchase price.

**SHIPMENT:** All proposals are based on continuous and uninterrupted delivery of the order upon completion, unless specifications distinctly state otherwise. In the event that agreement is reached for Vactor to store completed items, they will be immediately invoiced to the customer and become due and payable. Storage shall be at the risk of the customer and Vactor shall be liable only for ordinary care of the property.

**STORAGE CHARGES:** Vactor shall charge the customer at current rates for handling and storing customer's property (e.g. truck chassis) held for more than thirty (30) days after notification of availability for shipment. All customer's property, or third party's property, that is stored by Vactor is at the customer's or other party's risk. Vactor is not liable for any loss or damage thereto caused by fire, water, corrosion, theft, negligence, or any caused beyond its reasonable control.

**PERFORMANCE:** Vactor shall not be liable for failure to complete the contract in accordance with its terms if failure is due to wars, strikes, fires, floods, accidents, delays in transportation or other causes beyond its reasonable control.

**EXPERIMENTAL WORK:** Work performed at customer's request such as sketches, drawings, design, testing, fabrication and materials shall be charged at current rates.

**SKETCHES, ENGINEERING DRAWINGS, MODELS** and all preparatory work created or furnished by Vactor, shall remain its exclusive property; and no use of same shall be made nor may ideas obtained therefrom be used except with the consent of and on terms acceptable to Vactor.

**TAXES:** The pricing attached does not include Federal, State or local taxes which are the buyer's responsibility. However, Vactor/Guzzler Manufacturing, Inc. shall be responsible for Federal Excise Tax (F.E.T.) unless it is separately stated on the invoice and added to the selling price. If F.E.T. is not separately stated on the invoice it has not been included in the price and Vactor/Guzzler will pay any F.E.T. due itself and bear the cost of the tax. Any refunds or adjustments to the F.E.T. in such cases belong to Vactor/Guzzler.

**PRODUCT IMPROVEMENTS:** Vactor reserves the right to change manufacturing specifications and procedure in accordance with its product improvement policy.

**MOUNTING PRICES:** Mounting prices assume normally factory installation on a truck chassis suitable for the unit purchased. Relocation of batteries, fuel tanks, mufflers, air tanks, etc. will be an additional charge, billed at the standard factory labor rate.

**WARRANTY:** Vactor warrants its products to be free from defects in material and workmanship, subject to the limitations and conditions set forth in its current published warranty. Other than those expressly stated herein. THERE ARE NOT OTHER WARRANTIES OF ANY KIND EXPRESS OR IMPLIED, AND SPECIFICALLY EXCLUDED BUT NOT BY WAY OF LIMITATION, ARE THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MECHANABILITY.

**IT IS UNDERSTOOD AND AGREED THE SELLER'S LIABILITY WHETHER IN CONTRACT, IN TORT, UNDER ANY WARRANTY IN NEGLIGENCE OR OTHERWISE SHALL NOT EXCEED THE RETURN OF THE AMOUNT OF THE PURCHASE PRICE PAID BY THE PURCHASER AND UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES. THE PRICES STATED FOR THE EQUIPMENT IS A CONSIDERATION IN LIMITING SELLER'S LIABILITY. NO ACTION REGARDLESS OF FORM, ARISING OUT OF THE TRANSACTION OF THE AGREEMENT MAY BE BROUGHT BY PURCHASER MORE THAN ONE YEAR AFTER THE CAUSE OF ACTION HAS ACCURED.**

**SELLER'S MAXIMUM LIABILITY SHALL NOT EXCEED AND BUYER'S REMEDY IS LIMITED TO EITHER (I) REPAIR OR REPLACEMENT OF THE DEFECTIVE PART OF PRODUCT, OR AT SELLER'S OPTION (II) RETURN OF THE PRODUCT AND REFUND OF THE PURCHASE PRICE AND SUCH REMEDY SHALL BE BUYER'S ENTIRE AND EXCLUSIVE REMEDY.**