



**ROSS VALLEY SANITARY DISTRICT**

2960 Kerner Blvd  
San Rafael, CA 94901  
(415) 259-2949 ~ [rvsd.org](http://rvsd.org)

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**STAFF REPORT**

**For the Meeting of June 21, 2023**

June 13, 2023

To: Board of Directors

From: Josh Hill  
Operations and Maintenance Superintendent

**Subject: Authorize the General Manager, Upon Review and Approval of Counsel, to Execute a Purchase Agreement with Municipal Maintenance Equipment (MME) in the Total Amount of \$757,867.52 for a Vac-Con Titan TAQD312LHAE/1500 Combination Sewer Cleaning Truck**

**Summary**

Staff seeks to add a 1500-gallon/13 cubic yard capacity, combination vacuum/jetter hose sewer cleaning truck ("Large Combo Unit") to the District vehicle fleet. A Large Combo Unit would enhance the cleaning capabilities of the District by improving the ability to water flush as well as the ability to vacuum debris from large diameter sewer mains. These large diameter sewer mains convey heavy flows and carry much more debris. The Large Combo Unit would serve as the District's primary vehicle to flush and clean the District's primary conveyance lines as well as to respond to sanitary sewer overflow ("spill") incidents.

**Discussion**

Sewer pipe cleaning is a critical task needed to break blockages, remove grease, debris, roots, and deposits, as well as prepare for pipe repairs, smoke testing and video camera surveys. Sewer cleaning "combination trucks" have both a high-pressure water hose to scour pipe walls and a vacuum to pull out debris, effectively removing potential blockages in the sewer system by two different mechanisms built onto the same truck.

The District currently owns a 2008 Vac-Con on a Peterbilt chassis with a 1500-gallon capacity combination truck. The vacuum unit on this truck has been troublesome to keep in operation. Currently, this truck is out for repair due to continuous vacuum system problems, which is the third time this year that it has been diagnosed with vacuum-related issues. After 16 years of continuous service, this truck is nearing the end of its useful and, more importantly, reliable service life.

Approximately 25 miles of District-maintained sewers are large diameter (12-inch to 54-inch) pipes. These pipes are typically located in lower lying areas in the District and collect and convey flows from smaller portions of the system to pump stations and ultimately the treatment plant. Maintenance records indicate these large diameter pipes are where most of the debris in the upper systems settles out, making it critical to flush and vacuum out the debris. This maintenance activity needs to be completed specifically with a large combination truck to accommodate the heavy flows within these pipes. In addition to large diameter pipe maintenance, the Large Combo Unit along with the Small Combo Unit would become the District's main SSO response vehicles with the ability to both break sewer blockages with a high-pressure cleaning hose and vacuum debris from the system.

### *Fiscal Impact*

The Fiscal Year 2023-24 Budget includes \$760,000 to purchase a new large combination vacuum/jetter truck. Staff have researched available products and suppliers and recommend purchasing a Vac-Con unit. The Vac-Con brand is known for their tough and rugged heavy-duty equipment. The District's current Large Combo Unit is made by Vac-Con and has been a reliable workhorse for many years. The current Large Combo Unit will continue to be in operation and is not scheduled for surplus at this time.

District Financial Policies Section 11.19 provides for allowable sole source procurement through cooperative purchasing project lists. The Vac-Con brand has a contract with Sourcewell, a national service provider for competitive cooperative purchasing, and Municipal Maintenance Equipment (MME) is the local dealer. The District is eligible for a government discount for purchasing this equipment through MME as follows:

List Price Total, F.O.B. San Rafael CA	\$783,869.00
Sourcewell Discount	\$(90,184.77)
Sourcewell Price	\$693,684.23
Sales Tax (9.25%)	\$ 64,183.29
Total Amount for One Vac-Con V230H/500	\$757,867.52

Pricing includes delivery and on-site training for the new equipment. Municipal Maintenance Equipment (MME) will provide warranty support and future service for the Vac-Con truck. MME is a California-based, family-owned supplier specializing in heavy-duty sewer equipment since 1992.

### **Recommendation**

Authorize the General Manager, upon review and approval of Counsel, to execute a purchase agreement with MME in the amount of \$757,867.52 for a Vac-Con Titan TAQD312LHAE/1500 combination sewer cleaning truck.

### **Attachments:**

- A. MME Contract Pricing Sheet for the Purchase of a Vac-Con Titan TAQD312LHAE/1500



CSLB #980409  
 DIR 1000004282  
 www.source-mme.com  
 Toll Free 1-888-484-9968

February 23, 2023

Ross Valley Sanitation  
 2960 Kerner Blvd.  
 San Rafael, CA 94901

Tel: 415-870-9767 x207  
 jhill@rvsd.org

Attention: Josh Hill, Operations and Maintenance Superintendent

We are pleased to provide the following quotation on the Vac-Con Combination Sewer and Storm Drain Cleaner for your review.

One (1) Each Vac-Con Titan Model TAQD312LHAE/1500 complete with the following standard equipment:

- Hinge Type / Body Prop Permanently Mount Debris Body Prop (Hinge-Type)
- Vacuum Drive: Hydrostatic Driven via Transfer Case
- ¼" Corten Steel Debris Tank – 12 Yards
- Hydraulic Rear Door Locks
- 6" Knife Valve with 10' Lay Flat Hose
- Debris Tank Dumping: Minimum 50 Degree, Hydraulic Cylinder Lift – Power Up/Power Down
- Cross-Linked Polyethylene Water Tanks – 1500 Gallons
- Automatic Vacuum Breaker and Overfill Protection
- 8" Vacuum Intake Hose
- 6 Way Hydraulic Boom with 230 Degree Rotation and Joystick Control
- Heavy-Duty Dual Roller Level Wind Guide (Aluminum)
- Hose Guide (Tiger Tail)
- 30" Leader Hose
- 20 GPM / 750 PSI Wash-Down System w/ Hand-Gun and 25' of Hose
- (1) Each Sanitary and Penetrator Nozzles
- 25' Aluminum Suction Pipe (1-3', 2-5', 1-6' and 1-6.5' Catch Basin Nozzle) w/Quick Clamps
- ICC Lighting LED
- PPG Ambershield Zinc Primed, PPG Delfleet Single Stage Polyurethane Paint, and PPG Ambershield Textured Black Paint
- 12 Month Standard Warranty for Module
- 5# Fire Extinguisher
- Set of Triangles
- 12 Month Standard Warranty
- 5 Year Centrifugal Compressor (Fans) Warranty
- 5 Year Debris Tank Warranty
- 10 Year Water Tank Warranty
- Two Boxes 35" Tall x 24" Wide x 14.5" Deep (6cyl JD or Cat C4.4 will only be able to fit One 35" Box.) - These Two Toolboxes are Standard on Units with 1000 Gallons of Fresh Water Except for 5yd Units.
- Behind Cab Boom Support Chassis Frame Mounted 711-55997A Boom Cradle Assembly with 711-55619 Bumper Mounted Boom Docking Assembly

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- Plastic Engraved Decals - Adhesive Type
- Dump High
- Flat Style Rear Door
- Front Mounted 600' Capacity (1" Hose)/Hydraulic Fixed Hose Reel
- 36 Cubic Feet (96" Wide Storage Box Behind Cab), Steel, - Standard with 1300 and 1500 Gallon Units, 5yd Units with 1000 Gallons
- Rear Bumper with Built in Tow Hooks
- 800 Gallon Units Include Two Tool Boxes, 35" Tall, x 14" Wide, x 24" Deep
- Centrifugal Compressor Quiet Silencer, Class 4, 304 Stainless Steel Construction, 14in X 40in with 8in Discharge

Complete with the following selected features:

**Main Information:**

- Blower: 3 Stage Vac-Con Blower
- Boom: 10' Aluminum Telescoping Boom
- Hose Reel: Front Mounted, Articulating to Driver's Side, 800' (1") Capacity - Standard Pivot
- Jet Rodder Hose: 800' x 1" Piranha Brand Continuous Jet Rodder Hose
- Water System: 80 GPM / 2500 PSI
- Auxiliary Engine: JD 6 Cyl Tier 4 Diesel 225 HP with Aux Engine Hydraulics
- Water Pump: FMC

**Debris Body Options:**

- Rear Splash Guard (2 - 10 O'clock) – Tank Mounted
- Rear, Hydraulic Pump Off System, 350 GPM w/20' Lay Flat Hose

**Water System Options:**

- ¼ Turn Ball Valve Water Drain
- 50' Capacity Retractable Hand Gun Hose Reel
- Debris Body "Power Flush" System, 8 Jets
- Hydroexcavation Package Includes: 50' Handgun Hose Reel w/ ½" Hose, 72" x ½" Schedule 80 Lance w/ Single Forward Spray Nozzle, Storage Tubes for Lances, Heavy Duty Unloader Valve, Main Control Ball Valve, Variable Flow Valve
- Variable Flow Valve (Valve Only) – Nozzles Required
- Water & Debris Tank Tied Together

**Hose Reel Options:**

- Hose Footage Counter (Curbside)
- Pinch Roller / Tensioner Device
- Power Guide "Reel Power" Level Wind Guide

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**Misc. Machine Options:**

- 12VDC Auxiliary Hydraulic Pump
- (2) Cone Storage Racks – Rear of Frame
- Long Handle Storage / PVC (2) Mounted in Storage Box Under Shelf
- Rear Mounted Tow Hooks

**Lighting Options:**

- LED 4 Strokes – (2) Front Bumper / (2) Rear Bumper – Whelen 50A03ZCR – Amber
- LED Arrow Stick – Whelen TAM85 Traffic Advisor
- LED Boom Mounted Flood Lights with Limb Guard – Whelen NP6BB Worklight
- LED Flood Light – Level Wind Guide with Limb Guard – Whelen NP6BB Worklight
- LED Midbody Flood Lights with Guard – Whelen NP6BB (Driver's Side and Curbside)
- (2) LED Rear Mounted Flood Lights with Limb Guard – Whelen NP6BB Worklight
- Midbody LED Strokes – Frame Mounted – Whelen 50A03ZCR – Amber
- (2) Mirror Mounted LED Beacon / Strokes Lights with Limb Guard – Whelen L31HAF LED Beacon with Whelen BGH Branch Guard

**Electrical Options:**

- Wireless Remote Control: Boom, Vacuum Breaker, Throttle & Debris Body
- Traffic Camera with Color Monitor – Rear Camera Placement

**Misc. Accessories:**

- Inverter Mounted in the Cab

**Leader Hose:**

- 1" x 20' Length Leader Hose

**Paint:**

- Single-Stage Polyurethane Elite White with your Choice of Standard Blue or White Striping Package

Mounted on a new California CARB Only Freightliner 114SD 6x4 truck chassis complete with the following features:

- ISL370 Engine
- Allison 3000RDS Automatic Transmission
- 66,000 GVWR
- Driver's Air Seat
- Air Conditioning
- AM/FM
- Painted White



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Price F.O.B. San Rafael, CA	\$783,869.00
Less Current Budget Estimated Sourcewell Discount	- 90,184.77
Sub-Total	\$693,684.23
9.25% Estimated Sales Tax	64,165.79
CA Tire Fee (10 @ \$1.75 Each)	17.50
Total	\$757,867.52

Available Options for Consideration:

\*Omnibus Precision Power System (OPP) Electronic Controller System –  
Includes: Color Monitor, electronic footage counter and pressure  
Compensated Hydraulics ADD

\$ 7,726.64 plus tax

\*PRO Reel (Precision Reel Operation) Articulating to driver and curb side,  
800' x 1" Capacity, Alison Remote Shift Panel, Hose reel grease assembly,  
Includes 12VDC Auxiliary hydraulic pump, CanBus operating system,  
Debris level indicator displayed on monitor, digital water level indicator with  
digital footage counter, forward facing 180 degree camera, rear camera,  
monitor, and winter recirculation for rodder hose ADD

\$ 64,358.08 plus tax

- Optional items do not include sales tax.
- Quotation includes delivery and on-site training.
- Due to California emissions requirements, special permits may be required on diesel engines. MME cannot provide these permits and we recommend you contact your local Air Resources Management District for the specific requirements.
- Normal delivery 150-210 days A.R.O., depending on chassis and component availability during production.
- Sales tax applicable at time of delivery will be shown on invoice.
- Terms: Net 15
- Quotation valid for 15 days.

Thank you for your interest in this fine product line. Should you have any questions or need additional information, please let us know. We look forward to being of service.

Sincerely,  
Municipal Maintenance Equipment, Inc.

James Wheeler,  
General Manager