

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

DATE: MAY 23, 2017

TO: BOARD OF DIRECTORS
Lake Arrowhead Community Services District

FROM:



MIKE BLACKWOOD, Field Operations Manager



CATHERINE CERRI, General Manager

SUBJECT: **CONSIDER PURCHASE OF THE PACIFIC TECH VALVE EXERCISER/VACUUM MACHINE**

A. RECOMMENDATION

That the Board of Directors approves the purchase of the Pacific Tech Valve Exercise/Vacuum machine from Pres Tech Equipment Company.

B. REASON FOR RECOMMENDATION

To effectively and efficiently perform Valve Maintenance/Leak Detection (VMLD).

C. BACKGROUND INFORMATION

The Fiscal Year 2016/2017 budget included the purchase of a VMLD truck properly outfitted for the purpose of performing routine valve maintenance as well as leak detection. This would require a two-part purchase, the truck cab and chassis, and the truck bed with valve exerciser and vacuum installed. The purchase of the cab and chassis was approved by the Board of Directors on February 28, 2017. At that time staff decided to wait for the arrival of the truck as opposed to having the bed designed in advance to insure no mistakes were made in the custom fit of the bed to the cab and chassis.

Staff invited two different sales representatives to the District who deal with this type of equipment to demo their machines. Of the two the Pacific Tech was favored by all staff who attended the demo. Below are the quotes that were provided:

Pres Tech Equipment Company (Pacific Tech machine)	\$47,213.31
Kinloch Equipment and Supply (Pacific Tech machine)	\$54,081.00
E.H. Wachs	\$55,655.00

District staff is recommending the purchase of the Pacific Tech machine from Pres Tech Equipment Company.

D. FISCAL IMPACT

Fiscal impact will be \$47,213.31 and charged to the 100 (water) fund. The budgeted amount for the complete VMLD vehicle is \$90,000. The cab and chassis approved purchase price was \$42,780.38. Therefore total price for the VMLD truck will be \$89,993.69.

E. ATTACHMENTS

- Pres Tech Quote
- Kinloch Equipment and Supply Quote
- E.H. Wachs Quote

→ **Valve Operators**

→ **Vacuum Excavators**



PT 13LR Power Head & Control Box

PACIFIC TEK VALVE OPERATORS

MODEL	TORQUE	SPEED
PT-8	0 to 300 ft lbs	0 to 50 RPM
PT13-LR	0 to 850 ft lbs	0 to 40 RPM
PT-25	0 to 2,500 ft lbs	0 to 25

The Pacific Tek products include our vehicle mounted valve operators and a line of transportable vacuum excavating units. Together, they are the core of an underground valve maintenance system.

The ability to clean out, excavate to locate valves and lines, and to safely operate underground valves all in one compact unit that can be either truck or trailer mounted is the basis of our system.

The valve operators include our PT13-LR long reach unit and our PT-25 heavy duty operator. Both can be made "smart" with the addition of our data logger or a complete GIS management system.

Our PV-66 through PV-1200 "Power-Vac" lineup includes nine sizes and is the most complete vacuum unit family in the industry of compact powerful vacuums. Aided by either high pressure water or compressed air, they all have the ability to excavate safely into the ground or to accomplish cleaning tasks much easier than ever before.

Equip them with custom features like night lighting, hose booms, powered dump hatches and more to enhance their performance and usefulness.

Over 150 variants have been produced and sold so far meeting the special needs and desires of our customers.



PV-253 Valve & Vac Unit Mounted on an F-450 Flatbed Truck



ESTIMATE

1298 N. Blue Gum St.
 Anaheim, CA 92806
 714-835-3440

DATE	ORDER#
4/14/2017	1371

NAME / ADDRESS
Lake Arrowhead Community Services Dist. 28200 Highway 189 Lake Arrowhead, CA 92352

SHIP TO
Lake Arrowhead Community Services Dist 28200 Highway 189 Lake Arrowhead, CA 92352 Attn: Steve Papp 909-844-5026

TERMS	REP	FOB	Lead Time
Net 30	DP	Anaheim, CA	8 weeks ARO

ITEM	DESCRIPTION	QTY	COST	TOTAL
100-20001	PV100-D1 For non-trailer applications to include Valve Exerciser (PT26-D1 or PT1000-D1 not included) and/or Pressure Washer (3000-D1 not included) VACUUM - 100 gallon permanently tilted debris tank - 325 CFM blower set for relief at 15" of vacuum - 6 gallon aluminum fuel cell - Baffled blower silencer - 10 micron vacuum filter element - 3" x 25' vacuum hose and 5' pick-up wand attachment. - Powder coated Pacific Tek Safety Yellow DRIVE ONE POWERED - One 26.5 HP EFI electric start gas engine - Belt drive vacuum blower and electric clutch engages pressure washer (not included) and/or hydraulic pump (not included) - Power components built onto extended PV100 skid unless otherwise directed	1	16,600.00	16,600.00T

Please not - end user is responsible for weight carried on the trailer - not to exceed GVWR	
	(7.75%)
	TOTAL



ESTIMATE

1298 N. Blue Gum St.
 Anaheim, CA 92806
 714-835-3440

DATE	ORDER#
4/14/2017	1371

NAME / ADDRESS
Lake Arrowhead Community Services Dist. 28200 Highway 189 Lake Arrowhead, CA 92352

SHIP TO
Lake Arrowhead Community Services Dist. 28200 Highway 189 Lake Arrowhead, CA 92352 Attn: Steve Papp 909-844-5026

TERMS	REP	FOB	Lead Time
Net 30	DP	Anaheim, CA	8 weeks ARO

ITEM	DESCRIPTION	QTY	COST	TOTAL
11-20321	PT1000SH-D1 USED IN CONJUNCTION WITH ANY 'DRIVE ONE' READY VACUUM OR D1 POWER PACK - PT-1000SH Slide Head valve exerciser - 8' slide reach and up to 250 degree rotation - Base mounted on curb side - 850 ft-lb of torque - 24 gallon hydraulic fluid reservoir - Electric fan hydraulic oil thermal transfer - Digital revolution and torque readout - Telescoping valve key 5'-8' and valve stem socket adaptor Ai - Automated Intelligence Valve Cycle Controller - Automatically and safely cycle through exercising valves - Includes weather resistant digital touch screen controller	1	19,900.00	19,900.00T
88-95310	8' x 12' Flatbed - 8' x 12' steel frame - 1" TG Apitong wood floor - Wood treatment - Headache rack - 5000# hitch - Dock bumper - Mud flaps - Powder coated black if not specified	1	6,200.00	6,200.00T
Discount	Discount	1	-2,989.00	-2,989.00T
13LR-13011	universal joint with 1-1/2" - 2" sockets	1	486.00	486.00T

Please not - end user is responsible for weight carried on the trailer - not to exceed GVWR	
	(7.75%)
	TOTAL



ESTIMATE

1298 N. Blue Gum St.
 Anaheim, CA 92806
 714-835-3440

DATE	ORDER#
4/14/2017	1371

NAME / ADDRESS
Lake Arrowhead Community Services Dist. 28200 Highway 189 Lake Arrowhead, CA 92352

SHIP TO
Lake Arrowhead Community Services Dist. 28200 Highway 189 Lake Arrowhead, CA 92352 Attn: Steve Papp 909-844-5026

TERMS	REP	FOB	Lead Time
Net 30	DP	Anaheim, CA	8 weeks ARO

ITEM	DESCRIPTION	QTY	COST	TOTAL
Storage Tub...	Under deck storage tube	2	100.00	200.00T
Coneholders	Cone Holder-passenager side	1	265.00	265.00T
Pacific Tek ...	Labor hours to mount all equipment above to truck	40	85.00	3,400.00

Please not - end user is responsible for weight carried on the trailer - not to exceed GVWR	\$44,062.00
	(7.75%) \$3,151.31
	TOTAL \$47,213.31



Kinloch
Equipment & Supply, Inc.
www.kinlochequip.com

Equipment Quote

Kinloch Equipment & Supply
3320 Pasadena Blvd
Pasadena, Tx 77503
Jamey Bryant 902.4053

800-231-6929 Toll Free

Quoted To/Bill To:		Ship To:			
Customer:	Lake Arrowhead Combined Services District	Customer:			
Address:		Address:			
City:		City:			
State, Zip:		State, Zip:			
Attn:	Steve Papp, Water Supervisor	Attn:			
Phone:		Phone:			
Fax:		Fax:			
Date:	Customer ID:	Customer PO#:	Delivered to Cust. By:		
2/7/2017			TBD		
Qty.	Item#	Description	Cost	Unit Price	Extension
1	K100-20001	PV100-D1 For non-trailer applications to include Valve Exerciser (PT26-D1 or PT1000-D1 not included) and/or Pressure Washer (3000-D1 not included) VACUUM - 100 gallon permanently tilted debris tank - 325 CFM blower set for relief at 15" of vacuum - 6 gallon aluminum fuel cell - Baffled blower silencer - 10 micron vacuum filter element - 3" x 25' vacuum hose and 5' pick-up wand attachment. - Powder coated Pacific Tek Safety Yellow DRIVE ONE POWERED - One 26 5 HP EFI electric start gas engine - Belt drive vacuum blower and electric clutch engages pressure washer (not included) and/or hydraulic pump (not included) - Power components built onto extended PV100 skid unless otherwise directed	\$ 19,920	\$ 19,920.00	\$ 19,920.00
1	K11-20321	PT1000SH-D1 USED IN CONJUNCTION WITH ANY 'DRIVE ONE' READY VACUUM OR D1 POWER PACK - PT-1000SH Slide Head valve exerciser - 8' slide reach and up to 250 degree rotation - Base mounted on curb side - 850 ft-lb of torque - 24 gallon hydraulic fluid reservoir - Electric fan hydraulic oil thermal transfer - Digital revolution and torque readout - Telescoping valve key 5'-8' and valve stem socket adaptor Ai - Automated Intelligence Valve Cycle Controller - Automatically and safely cycle through exercising valves - Includes weather resistant digital touch screen controller	\$ 23,880	\$ 23,880.00	\$ 23,880.00
1	K88-95310	8 x 12 Flatbed - 8' x 12' steel frame - 1" TG Apitong wood floor - Wood treatment - Headache rack - 5000# hitch- Dock bumper - Mud flaps - Powder coated black if not specified	\$ 7,500	\$ 7,500.00	\$ 7,500.00

1	K13LR-1300	universal joint with 1-1/2" - 2" sockets	\$556.00	\$556.00	\$556.00
2	KS-TUBES	Under deck storage tube	\$135.00	\$135.00	\$135.00
1	KCONE-HLD	Cone Holder-passenger side	\$290.00	\$290.00	\$290.00
1	K-SHIP	Freight to Lake Arrowhead	\$1,800.00	\$1,800.00	\$1,800.00
Salesman:			Notes:		
			Subtotal:		\$ 54,081.00
			Freight:		
			Tax:		
			Total:		\$ 54,081.00



SHAMROCK PIPE TOOLS



E.H. WACHS[®]

A Division of **ITC**[®]

Superior Equipment. Complete Support.[™]

Water Utility Products

600 Knightsbridge Pkwy | Lincolnshire IL 60069
T +1 847 537 8800 | F +1 847 520 1147
ehwachs.com

Quotation

TO: Steve Papp
Lake Arrowhead Water
840 Willow Creek Rd.
P.O. Box 700
Lake Arrowhead, CA 92352

Date: 2/15/2017
Quotation Number: KR96914
Payment Terms:
Shipping Terms: FOB Destination
Valid Through: 4/16/2017

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

Item Number	Description	Qty	U/M	Unit Price (USD)	Line Total (USD)
1	77-000-07 Utility Hydro-Vac (Gas) - HYD: A 27 HP (20 kW) Kohler overhead cam, air cooled gasoline engine provides ample power for all contained functions, including an auxiliary HTMA Class II circuit; 10 gallon (38 L) reservoir, fan cooled heat exchanger, continuous duty rated for 8 GPM (30.3 LPM) @ 1,800 PSI (125 bar) with 50' (15 M) retractable hose reel. A positive displacement blower provides 500 CFM (14.2 cmm)-11" (280mm) Hg vacuum, with spoils contained by a 250 (950 L) gallon tank utilizing our exclusive hydraulic side and dump system and latching rear door. Includes 2-1/2" (63.5mm), 1-1/4" (31.75mm) & 7/8" (22mm) suction wands with 20' (6 M) suction hose. Domestic destination and freight charges included. Installation Note: Failure to use an ASE Certified E1-E3 technician or Factory Authorized Servicer (FAS) will void warranty. **DOES NOT INCLUDE THE PRESSURE WASHER SYSTEM.**	1	EA	36,000.00	36,000.00
2	77-433-UC Up charge to change from standard 250 gallon capacity spoils tank to 150 gallon capacity tank. Available for all Standard & Grand VMTs, Hydro-Escavation HETs and Truck Mounted Components.	1	EA	1,000.00	1,000.00
3	79-000-01 Wachs ERV-750 (without Datalogger) Automated Valve Operator, Exercisor and Rehabilitator. Featuring Wachs Patented Automation. Extendable arm produces a full 750 Ft lbs (1020 Nm) of torque. The system utilizes a dual pivot point to locate over any valve box/Hydrant. Locking disc brake holds the full torque of the machine while operating, 3" (76.2 mm) square steel tube construction and mechanical lock system for travel. Includes operation manual. Requires Ruggedized ERV-750 Controller/Datalogger (Part#79-422-01/02). Domestic destination and freight charges included. Installation Note: Failure to use an ASE Certified E1-E3 technician or Factory Authorized Servicer (FAS) will void warranty.	1	EA	14,250.00	14,250.00
4	79-422-01 Wachs HC-100 (North America) ruggedized Controller/Datalogger to operate and collect data (including GPS) during the operation of ERV-750, TM7 and TM-6 machine (includes PDA style PC, 12v vehicle charger kit, AC charging kit, USB sync cable, machine control cable, screen protector & preloaded with Vitals Mobile software). Already GPS enabled, however adding option 79-412-01 (Pathfinder Pro 6T) for Submeter accuracy or 79-412-02 (Pathfinder Pro 6H) for Decimeter accuracy.	1	EA	2,990.00	2,990.00
5	79-419-00 Bluetooth Adapter for ERV or TM-7. Allows connection between machine and controller to function either wirelessly or tethered.	1	EA	525.00	525.00
6	11-408-00 Telescopic Valve Key - 2" AWWA (Colder Climate). Manufactured from high-strength steel, adjustable from 4ft (1.22 M) to 9ft (2.74 M) with spring loaded pin to eliminate loss. Rated to 800 lb-ft (1,085 Nm) of torque for use with the Wachs P/2 and RS/2 valve operators and ERV 750. Weighs only 24 lbs (10.9 kg). Add the Tee Handle adapter (11-408-10) for manual functionality when machine is not in use.	1	EA	445.00	445.00
7	79-403-00 ERV-750 Installation Kit (flat bed only). Includes both Upper and Lower Deck Stiffening hardware.	1	EA	445.00	445.00



Water Utility Products
800 Knightsbridge Pkwy | Lincolnshire IL 60069
T +1 847 537 8800 | F +1 847 520 1147
ehwachs.com

Quotation

Page 2 of 2

TO: Steve Papp

Date: 2/15/2017
Quotation Number: KR96914

Total (USD) \$55,655.00

Thank you for the opportunity to quote your application needs. If you have any questions or if I may be of any further assistance to you please do not hesitate to notify me.

(SALES TAX!!!!) We collect sales tax in all but the following states: AK, DE, MT, OR and NH. If you are tax exempt please supply your identification number and certificate with your order. If your exempt number is not on file, tax will be added to your order.

Ken Redding
Utility Technical Sales Rep
815-943-4785 x2773
kredding@ehwachs.com

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