

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT

MEMORANDUM

DATE: May 23, 2017

TO: BOARD OF DIRECTORS
Lake Arrowhead Community Services District

FROM: 
MARK LOPEZ, Customer Service Supervisor


CATHERINE CERRI, General Manager

SUBJECT: CONSIDER PURCHASING METERS FROM ZENNER USA

A. RECOMMENDATION

It is recommended to the Board that the District purchase meters from our current vendor Zenner USA in order to begin the process of replacing old meters with high throughput.

B. REASON FOR RECOMMENDATION

The District has identified 3,400 meters having high throughput of 50,000 cubic feet or more (374,000 gallons). Research shows the amount of water that passes through a meter has a more negative effect on the accuracy of meters than age alone.

C. BACKGROUND INFORMATION

Many of the 3,400 meters that need replacing have been in service for over eight years allowing the throughput to reach a 50,000 cubic feet marker. These meters have high use due to full time residence and/or irrigation. Replacing these meters will help three-fold. 1) New meters will be more accurate for billing and non-revenue losses. 2) A percentage of the old meters will be tested for accuracy and will help when reporting to the State regarding water loss and Best Management Practices report to California Water Efficiency Partnership (formally known as CUWCC). 3) The meter accuracy report will help determine future meter replacement projects.

D. FISCAL IMPACT

To replace 3,400 meters of different sizes including other hardware will not exceed \$350,000.

This project is budgeted at \$500,000 per year over four years. Funded by the Water Capital Improvement Fund (110).

E. ATTACHMENTS

Attachment 1: Price quote from Zenner

Attachment 2: Price quote from Inland Water Works

Attachment 4: Price quote from Ewing Irrigation



Customer Name: Lake Arrowhead CSD
 Billing Address:
 City/State/Zip:
 Shipping Name:
 Shipping Address:
 City/State/Zip:
 Email: mlopez@lakearrowheadcsd.com
 Phone: 909-336-7109

Salesman: Robert Gallegos
 Attn: Mark Lopez
 Subject: Meter Change Out
 PO:
 Ship VIA:
 FFA:

Sales Quote

Date: 2/6/2017

Accept Partial Shipments:

Section	Meter Type	Meter Size	Register Units	Register Options	Qty	Unit Price	Extended Price	Annual Maintenance	List Price
1.1	Positive Displacement (PPD)	3/4" Short Lay (03)	CF (CF)	ETR Encoder Output (E)	3,000	\$74.76	\$224,280.00		
1.2	Positive Displacement (PPD)	1" (07)	CF (CF)	ETR Encoder Output (E)	400	\$109.34	\$43,736.00		
1.3	Positive Displacement (PPD)	1-1/2" FLG (09)	CF (CF)	ETR Encoder Output (E)	25	\$278.34	\$6,958.50		
1.4	Positive Displacement (PPD)	2" FLG (12)	CF (CF)	ETR Encoder Output (E)	30	\$361.00	\$10,830.00		
1.5	Cl Epoxy Coated Compound (PMC)	4" (04)	CF (CF)	ETR Encoder Output (E)	2	\$2,149.33	\$4,298.66		
1.6	Cl Epoxy Coated Compound (PMC)	6" (06)	CF (CF)	ETR Encoder Output (E)	1	\$3,757.33	\$3,757.33		

Section	Register/ETR Options	Register Shroud	Register Lid	Bottom Type	Part Number	Notes
1.1	5' Bare wire (E)	Composite (P)	Composite (P)	Bronze (B)	PPD03CFEPPB	all Meters will need a toe tag!
1.2	5' Bare wire (E)	Composite (P)	Composite (P)	Bronze (B)	PPD07CFEPPB	all Meters will need a toe tag!
1.3	5' Bare wire (E)	Composite (P)	Composite (P)	Bronze (B)	PPD09CFEPPB	all Meters will need a toe tag!
1.4	5' Bare wire (E)	Composite (P)	Composite (P)	Bronze (B)	PPD12CFEPPB	all Meters will need a toe tag!
1.5	5' Bare wire (E)	Brass (B)	Brass (B)	Bronze (B)	PMC04CFEBBB	10 feet of wire and a toe tag
1.6	5' Bare wire (E)	Brass (B)	Brass (B)	Bronze (B)	PMC06CFEBBB	10 feet of wire and a toe tag

Section	Fire Hydrant Meter	Handle Options	Registration	Inlet Connection	Qty	Unit Price	Extended Price	Annual Maintenance	List Price
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Section	Outlet Connection	FHM Add-ons	Qty	Unit Price	Extended Price	Annual	List Price
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2	Flanges/Gaskets/Bolts/Kits					\$0.00	\$0.00
3	Radio Interface Units					\$27,500.00	\$0.00
3.1	Stealth 2 w/18" Bare Wire (ST2BW) "Stealth 2 Bare Wire"		500	\$55.00	\$27,500.00		
4	System Interface Development					\$0.00	\$0.00
5	Handheld/Mobile/Probe					\$0.00	\$0.00
6	AMR Hardware					\$0.00	\$0.00
7	Software					\$0.00	\$0.00
8	Project Management Installation/Training					\$0.00	\$0.00
9	Accessories and other items					\$2,250.00	\$0.00
9.1	Stealth Lid Lock with Extension		500	\$4.50	\$2,250.00		
10	Hydrant Meter Accessories					\$0.00	\$0.00
Total System Cost and Annual Maintenance						\$323,610.49	\$0.00

Note: This sales order/sales quote is subject to terms of the Zenner Performance Meters License and Maintenance Agreement. All prices are valid for ninety (90) days unless otherwise extended in writing.
Payment Terms are Net 30.

Shipping: All shipping is FOB Zenner Performance Meter's office in Banning, California.

Sales Order/Sales Quote Accepted:

Authorized Signature: _____ Date: _____
 Signature

End of Document



Inland Water Works Supply Co.

PO Box 130 • Patton, CA 92369-0130
2468 Miramonte Dr. • San Bernardino, CA 92405
909-883-8941 • 800-794-3121 • Fax: 909-881-4041

http://www.inlandwaterworks.com

Account No: 000261

Location : INLAND WATER WORKS SUPPLY CO.

QUOTE Q332938

Print Date: 05 May 17

BILL TO:	SHIP TO:
LAKE ARROWHEAD COMM. SERV. DISTRICT	LAKE ARROWHEAD COMM. SERV. DISTRICT
P.O. BOX 700	840 WILLOW CREEK ROAD
LAKE ARROWHEAD, CA 92352	LAKE ARROWHEAD, CA 92352

Quote Date: 05 May 170000.0	Shipvia: OUR TRUCK	Terms: NET 10TH PROX
Ordered By: MARK LOPEZ	FOB: OPENED 1970	
Salesman : 0004 KEN PERTEET	Taxcode: SANBD]SANB	

Item#	Part Number Part Description	Qty Quoted	UOM	Unit Price	Ext Price
1	NB20200.75 3/4" MUE NL FIP X FIP B CURB LW	100	EA	47.000	4,700.00
2	E130.75X1.5 3/4" X 1 1/2" JJ NL MTR CPLG	10	EA	17.000	170.00
3	E130.75X2 3/4" X 2" JJ NL MTR CPLG	70	EA	11.000	770.00
4	E130.75X2.5 3/4" X 2 1/2" JJ NL MTR CPLG	70	EA	9.000	630.00
5	AC4011 3/4" X 1/8" NEOPRENE MTR GASKET	6000	EA	0.250	1,500.00
6	NB202001 1" MUE NL FIP X FIP B CURB LW	100	EA	74.000	7,400.00
7	E1301X1.5 1" X 1 1/2" JJ NL MTR CPLG	5	EA	17.000	85.00
8	E1301X2 1" X 2" JJ NL MTR CPLG	25	EA	29.000	725.00
9	E1301X2.5 1" X 2 1/2" JJ NL MTR CPLG	20	EA	33.000	660.00
10	AC4012 1" X 1/8" NEOPRENE MTR GASKET	800	EA	0.210	168.00
11	BCPLG1X.75 1" X 3/4" NL BRASS RED CPLG	25	EA	14.500	362.50
Sub Total					17,170.50
Tax Amount					1,330.72
Quote Total					18,501.22

ALL PRICES ARE VALID FOR 30 DAYS FROM THE QUOTE DATE EXCEPT PVC PIPE PRICES WHICH ARE VALID UNTIL _____.

QUOTED BY: *[Signature]*

EWING, SAN BERNARDINO #07
1560 VICTORIA AVE
SAN BERNARDINO, CA
(909) 796-5898 92408

* Q U O T A T I O N *

PAGE: 1
QUOTE DATE: 5/05/2017
PRINT DATE: 5/05/2017
QUOTATION#: 2638555

IN REPLY TO YOUR INQUIRY
- SUBJECT TO CONDITIONS BELOW -
JOB: CONNECTORS

ATTN: MARK LOPEZ

FOR: 1028823
LAKE ARROWHEAD COMM SVCS DIST
PO BOX 700
LAKE ARROWHEAD CA 92352
CUSTOMER FAX: 1 (909) 336-7187

CUSTOMER PHONE: (909) 336-7107

DESCRIPTION	ITEM NUMBER	QUANTITY	LIST PRICE	NET PRICE	EXTENDED PRICE
=====					
L/P DBR/Y-6 UL SPLICE 100 BULK	17000286	500	1.74	1.392	696.00

NET PRICES ARE FOR QUANTITIES AND DESCRIPTIONS
SHOWN HEREIN ONLY, AND NO IMPLICATION OR WARRANTY
IS MADE WITH REGARD TO THEIR CORRECTNESS OR
AGREEMENT WITH THE SPECIFICATIONS. SHIPMENT SUBJECT
TO CREDIT CLEARANCE. NO LIABILITY IS ASSUMED FOR
QUANTITY SHOWN.

SUBTOTAL 696.00
8.0000% TAX 55.68

THE ABOVE QUOTATION IS FOR ESTIMATING PURPOSE ONLY.
WHEN ORDER IS PLACED IT WILL BE SHIPPED AT PRICE
IN EFFECT AT TIME OF SHIPMENT UNLESS OTHERWISE
NOTED ON THIS QUOTATION.

QUOTE TOTAL 751.68

Taxes on quote are estimated and will be calculated
based on tax rates in effect at time of order.

PRICES SHOWN ARE CURRENT AS OF 5/05/2017 AND WILL
BE GOOD UNTIL 6/04/2017. **EXCEPTION: WIRE & PIPE PRICES GOOD FOR 2 WEEKS ONLY.**
BY FELIPE CAMBRON

EWING IRRIGATION PRODUCTS & INDUSTRIAL PLASTICS