

NOTICE OF SPECIAL MEETING  
OF THE  
BOARD OF DIRECTORS OF  
EAST ORANGE COUNTY WATER DISTRICT

NOTICE IS HEREBY GIVEN that a Special Meeting of the Board of Directors of the East Orange County Water District has been called by the President of the Board of Directors thereof to be held on Friday, January 25, 2013 at 5:00 p.m., at the offices of the East Orange County Water District, 185 N. McPherson Road, Orange, California.

The following business will be transacted:

1. see Exhibit "A" attached to this Notice
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

DATED THIS 23<sup>rd</sup> day of January, 2013.



\_\_\_\_\_  
JOAN C. ARNESON  
Secretary  
East Orange County Water District  
and of the Board of Directors thereof

EXHIBIT A to  
Notice of Special Meeting

AGENDA

EAST ORANGE COUNTY WATER DISTRICT  
(EOCWD)

Friday, January 25, 2013

5:00 p.m.

1. **Call Meeting to Order – President VanderWerff**
2. **Public Communications to the Board**
3. **Addition of Items Arising After Posting of Agenda**  
[SPECIAL MEETING – NO ADDITIONS]
4. **Operation, Management and Construction Matters**
  - A. Contract for East Well rehabilitation and repair (Exhibit "A")

**Recommended Motion:** "THAT CHANGE ORDER NO. 1 TO THE CONTRACT WITH TRI COUNTY PUMP COMPANY FOR THE EAST WELL REHABILITATION PROJECT BE APPROVED IN THE AMOUNT OF \$35,364.00, FOR A REVISED CONTRACT AMOUNT OF \$68,091.00"

5. **Adjournment**

The scheduled date of the next Regular Meeting of the Board of Directors is **February 21, 2013**, at 5:00 p.m., in the offices of the East Orange County Water District, 185 N. McPherson Road, Orange, California.

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Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the East Orange County Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board are available for public inspection in the District's office, 185 N. McPherson Road, Orange, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available at the reception desk of the District Office during business hours at the same time as they are distributed to the Board members, except

• that if such writings are distributed less than one hour prior to, or during, the meeting, they will be available in the meeting room of the District Office.

Disability-related accommodations: The East Orange County Water District Board of Directors meeting room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.) please contact Denise Dobson in the District Office at (714) 538-5815 during business hours at least seventy-two (72) hours prior to the scheduled meeting. This agenda can be obtained in alternative format upon written request to Denise Dobson in the District Office, at least seventy-two (72) hours prior to the scheduled meeting.

# MEMO

**TO: BOARD OF DIRECTORS**  
**FROM: GENERAL MANAGER**  
**SUBJECT: EAST WELL REHABILITATION PROJECT – CHANGE ORDER #1**  
**DATE: JANUARY 23, 2013**

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## **BACKGROUND**

At the December 20<sup>th</sup> Meeting, the Board awarded a contract to Tri-County Pump Company in the amount of \$41,727.00 to rehabilitate the East Well. This contract pricing included the following work:

1. Mobilization and demobilization,
2. Removal and reinstallation of the pump,
3. Pump inspection
4. Pre- and post- cleaning video survey
5. Well brushing
6. Column cleaning
7. New pump bowls
8. Rebuild motor
9. Chlorine treatment
10. Final well testing

At the time of the award, staff failed to inform the Board additional work may be required due to problems with various parts of the pump that can't be seen until the pump is pulled. To avoid delaying the contractor – and requiring a special board meeting - an allowance should have been established.

Unfortunately, when the pump was pulled, significant additional work was identified including the replacing eight of the 20' sections of column piping (Note: the necessity for replacing seven of these sections is still under evaluation), 140' of the tube and shaft, and 422' of stainless steel airline, and replacement of other miscellaneous parts at an estimated cost of \$26,150. This work is shown on Attachment A as Option 1.

Because we are replacing such a significant amount of the pump, the option exists at this time to change from using food grade oil to using water to lubricate the pump. In the past, the food grade oil has been implicated in bacterial issues we've had at the West Well; most water agencies in Orange County have changed to water lubricated pumps. Unfortunately, staff has been advised by these agencies that they have not seen any improvement in maintenance intervals – in fact, maintenance intervals have been shortened as water lubricated pumps can have periods of time at startup where the water may not be totally lubricating the bearings. Our East Well is periodically shut-down and restarted several times a year; if the pump is changed to water lubrication, staff would be changing operating procedures to minimize these shut down/start up periods. The cost to change to a water lubricated pump, as well as make other repairs that aren't affected by the lubrication method, would be \$35,364 as shown on Attachment A as Option 2.

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Some of the additional cost of either Option 1 or Option 2 would be offset by a reduction in cost yielded by eliminating two items from the original contract: 1) brushing the well and 2) one post-brushing video log. Because of the results of the Casing Inspection Log (which measured the weight of the steel casing down the entire length of the well), staff and the Engineering Committee recommend that the well not be brushed because areas of the casing are below the recommended weight threshold and could be damaged by brushing. This elimination yields a reduction of \$ 7,750 under Option 1 or \$9,000.00 under Option 2.

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After reviewing the two options, the Engineering Committee recommends Option 2, changing the pump to a water lubricated pumping system.

**RECOMMENDATION**

The Board award Change Order #1 in the amount of \$35,364.00 to Tri County Pump Company for a revised total project cost of \$68,091.00.

**Attachment A  
2013 EAST WELL REHABILITATION PROJECT**

**Option 1**

**Additional Repair - No Change to Lubrication System**

Qty.	Part Description	Cost
8 Sections	8" x 20' Column piping	\$5,160.00
21 Sections	2 1/2" x 1 1/2" x 20' Tube and Shaft	\$13,776.00
1	8" x 10' Suction Pipe (threaded on one end)	\$325.00
1	8" Stainless Steel Cone Strainer	\$655.00
7	8" x 2 1/2" Tube Stabilizers	\$175.00
422'	Stainless Steel Airline	\$2,321.00
1	Oil Dropper	\$88.00
1	1 1/2" Head Shaft Carbon Steel	\$650.00
1	Casing Inspection Log	\$3,000.00
		<b>\$26,150.00</b>

**Option 2**

**Additional Repair - Water Lube Pump Option**

Qty.	Part Description	Cost
41 sections	8" x 10' Column piping	13,940.00
41 sections	1 1/2" x 10' Shaft	9,840.00
1	8" x 10' Suction Pipe (threaded on one end)	\$325.00
1	8" Stainless Steel Cone Strainer	\$655.00
41	Bearing Retainers with rubber inserts	3,485.00
422'	Stainless Steel Airline	2,321.00
0	Oil Dropper (Not Applicable)	\$0.00
1	1 1/2" Head Shaft Stainless Steel	650.00
1	Casing Inspection Log	3,000.00
1	8" x 5' Column pipe	235.00
1	1 1/2" X 5' shaft	65.00
1	8" x 5' bearing retainer	85.00
1	Packing Box Replacement	763.00
		<b>\$35,364.00</b>

# Attachment B

## Project Cost Summary

Bid Items		Original Contract Amount	Revised Contract Amount w/Option 1)	Revised Contract Amount w/Option 2
Bid Item 1	Mobilization and Demobilization	\$3,240.00	\$3,240.00	\$3,240.00
Bid Item 2	Removal and Installation of Pump	\$11,620.00	\$11,620.00	\$11,620.00
Bid Item 3	Pump Inspection	\$850.00	\$850.00	\$850.00
Bid Item 4	Pre-cleaning Video Survey	\$1,000.00	\$1,000.00	\$1,000.00
Bit Item 5	Well Brushing	\$6,750.00	(\$6,750.00)	(\$6,750.00)
Bid Item 6	Second Video Survey (post brushing)	\$1,000.00	(\$1,000.00)	(\$1,000.00)
Bid Item 7	Chlorine Treatment	\$2,750.00	\$2,750.00	\$2,750.00
Bid Item 8	Final Test of Well	\$1,120.00	\$1,120.00	\$1,120.00
<b>Optional Bid Items</b>				
Option B	Column Cleaning	\$1,250.00	\$1,250.00	(\$1,250.00)
Option C	New Bowl Assembly	\$9,387.00	\$9,387.00	\$9,387.00
Option C	Motor Rebuild	\$2,760.00	\$2,760.00	\$2,760.00
	<b>Total</b>	<b>\$41,727.00</b>	<b>\$33,977.00</b>	<b>\$32,727.00</b>
<b>Revised Contract Amount</b>			<b>\$33,977.00</b>	<b>\$32,727.00</b>
<b>CCO#1</b>			<b>\$26,150.00</b>	<b>35,364.00</b>
<b>Revised Project Total</b>			<b>\$60,127.00</b>	<b>\$68,091.00</b>