

RESOLUTION NO. 42-2014

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS AUTHORIZING THE EXECUTION OF PROCUREMENT CONTRACTS FOR THE POSSUM KINGDOM RAW WATER ROUGHING FACILITY EQUIPMENT AS PART OF THE SECOND-STAGE SHORT-TERM DROUGHT STRATEGY.**

**WHEREAS**, in response to the on-going drought and as part of the City of Abilene's overall second-stage, short-term drought response strategy, the City is implementing Possum Kingdom Lake as a raw water supply; and

**WHEREAS**, On October 22, 2014 the City sold 2014 Series Certificates which included funds allocated for equipment procurement for the Possum Kingdom Raw Water Roughing Facility; and

**WHEREAS**, on November 2, 2014 and November 9, 2014 the City published notice for bids in the Abilene Reporter News for equipment for the Possum Kingdom Raw Water Roughing Facility receiving thirteen (13) responses on November 19, 2014; and

**WHEREAS**, all bids were evaluated by the City's Consulting Engineer for responsiveness and for conformity to all material conditions of the Contract Documents and a Recommendation of Award, attached hereto as Exhibit A, for contracts associated with equipment procurement for the Possum Kingdom Raw Water Roughing Facility in the aggregate amount of \$6,427,835 was presented to and reviewed by the City staff; and

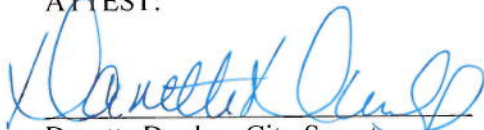
**WHEREAS**, staff recommends awarding equipment procurement for the Possum Kingdom Raw Water Roughing Facility to the companies recommended by the City's Consulting Engineer as delineated in Exhibit A.


**NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS:**

The Interim City Manager is hereby authorized to negotiate and execute equipment procurement contracts related to Possum Kingdom Raw Water Roughing Facility with the companies recommended by the City's Consulting Engineer as delineated in Exhibit A.


**ADOPTED this 18th day of December, 2014.**

ATTEST:

  
Danette Dunlap, City Secretary

  
Norman Archibald, Mayor

APPROVED:

  
T. Daniel Santee, City Attorney

**Exhibit A**

Consulting Engineer Letter of Recommendation and Bid Tabulation



December 4, 2014

Mr. Tommy O'Brien, PE  
Director of Water Utilities  
City of Abilene  
P.O. Box 60  
Abilene, TX 79604

**Re: Recommendation of Award  
Raw Water Roughing Facility – Equipment Procurement**

Dear Mr. O'Brien:

As part of the City of Abilene's second-stage drought response strategy, an equipment procurement package for the proposed Possum Kingdom Raw Water Roughing Facility was released for bids on November 2, 2014. Bids for the equipment were opened on Wednesday, November 19, 2014. A total of thirteen (13) bids were received, and I have attached a copy of the Bid Tabulation. The apparent low bidders are as follows:

- Bid Item 1: 0.5 Million Gallon Raw Water Tank – Tank & Vessel Builders, LP
- Bid Item 2: 2.0 Million Gallon Product Water Tank – DN Tanks, Inc.
- Bid Item 4, A3, and B3: Pump Equipment for Horizontal Split Case Centrifugal – FCX Performance – Pierce Pump
- Bid Item 5, A4, and B4: High Pressure RO Pump – Patterson Pump Company
- Bid Item 6, A5, and B5: Reverse Osmosis Membrane System – H2O Innovations USA, Inc.
- Bid Item 7: Air Operated Diaphragm Pumps, Transfer, Mixing, and Sample Pumps – Environmental Improvements, Inc.
- Bid Item 8: Chemical Feed Skids – Environmental Improvements, Inc.
- Bid Item 9: Equipment Bulk Chemical Storage Tanks – Diamond Fiberglass

No bids were received for Bid Item 3: Pump Equipment for Vertical Turbine. Enrotec / Hibbs & Todd, Inc. (eHT) has evaluated the responsiveness of apparent low bidders for conformity with all material conditions of the Invitation for Bids and the Instruction to Bidders.

*Environmental, Civil & Geotechnical Engineers*

**Abilene Office**  
402 Cedar  
Abilene, Texas 79601  
P.O. Box 3097  
Abilene, Texas 79604  
325.698.5560 | 325.691.0058 fax

**Lubbock Office**  
6310 Genoa Avenue, Suite E  
Lubbock, Texas 79424  
806.794.1100 | 806.794.0778 fax

**Granbury Office**  
2901 Glen Rose Hwy, Suite 107  
Granbury, Texas 76048  
817.579.6791 | 817.579.8491 fax

**Plano Office**  
One Preston Park  
2301 Ohio Drive, Suite 105  
Plano, Texas 75093  
972.599.3480 | 972.599.3513 fax

[www.e-ht.com](http://www.e-ht.com)

PE Firm Registration No. 1151  
PG Firm Registration No. 50103  
RPLS Firm Registration Nos. 10011900 & 10007300



Mr. Tommy O'Brien  
December 4, 2014  
Page 2

Based on our evaluation, eHT recommends award of contracts to the following Manufacturers/Suppliers for equipment associated with the proposed Possum Kingdom Raw Water Roughing Facility associated with the City's second-stage drought response strategy. The alternate items included in our recommendation for Bid Items 4 and 6 will allow for an initial production capacity of the facility of 10 million gallons per day. Collectively, the amount of recommended contract award is \$6,427,835.00.

- Bid Item 1: Tank & Vessel Builders, LP for Expedited Delivery
- Bid Item 2: DN Tanks, Inc. for Expedited Delivery
- Bid item 4, A3, and B3: FCX Performance – Pierce Pump for Standard Delivery
- Bid Item 6, A5, and B5: H2O Innovation USA, Inc. for Standard Delivery
- Bid Item 7: Environmental Improvements, Inc. for Expedited Delivery
- Bid Item 8: Environmental Improvements, Inc. for Expedited Delivery
- Bid Item 9: Diamond Fiberglass for Standard Delivery

Award is not recommended for Bid Items 5, A4, and B4. These items will be assigned to the Construction Manager at Risk selected for constructing the Project.

We look forward to working with the City of Abilene as this project moves into the construction phase.

Sincerely,

**Enprotec / Hibbs & Todd, Inc.**

Scott F. Hibbs, P.E.

Attachment: Bid Tabulation

c: Rodney Taylor, Assistant Director of Water Utilities  
Project File 6103

P:\Projects\Abilene, City of\6103 PK Drought Response Improvements\4 Bidding Phase\Bidding Documents\Treatment Equipment Procurement\Bid Evaluation\Recommendation of Award.docx

Enprotec / Hibbs & Todd, Inc., 402 Cedar Street, Abilene, Texas 79601

TABULATION OF BIDS FOR: Water Treatment Facility Equipment Procurement, City of Abilene, Texas

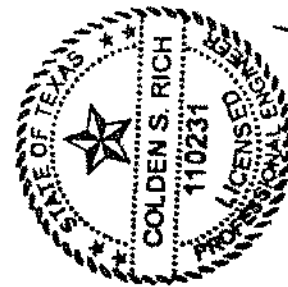
BIDS RECEIVED: 1/19/2014  
PE Firm Registration No. 1151

BASE BID				Circle P Welding, Inc.				Building Steel			
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
1	13205	LS	0.5 Million Gallon Raw Water Tank	\$ 439,200.00	\$ 483,120.00	\$ 534,138.00	\$ 534,138.00	\$ 742,823.00	\$ 742,823.00	\$	\$
BASE BID				DN Tanks, Inc.				Prepac			
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
2	13200	LS	2.0 Million Gallon Product Water Tank	\$ 997,100.00	\$ 1,034,800.00	\$ 1,385,000.00	\$	\$	\$	\$	\$
BASE BID											
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
3	11071	LS	Pump Equipment for Vertical Turbine	\$	\$	\$	\$	\$	\$	\$	\$
BASE BID				FCX Performance-Pierce Pump				Patterson Pump Company			
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
4	11072	LS	Pump Equipment for Horizontal Split Case Centrifugal	\$ 369,000.00	\$ 369,000.00	\$ 446,595.00	\$	\$	\$	\$	\$
BASE BID				Patterson Pump Company							
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
5	11071/11072	LS	High Pressure RO Feed Pump	\$ 356,150.00	\$	\$	\$	\$	\$	\$	\$
BASE BID				H2O Innovation USA, Inc.				Doosan Hydro Technology, LLC			
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
6	11401	LS	Reverse Osmosis Membrane System	\$ 1,771,137.00	\$	\$ 1,837,192.00	\$ 1,877,192.00	\$ 1,840,000.00	\$ 1,868,000.00	\$ 1,907,854.00	\$ 1,937,854.00
BASE BID				Environmental Improvements, Inc.				Blwater AEWI, Inc.			
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
7	11079/11087	LS	Air Operated Diaphragm Pumps/Chemical Transfer, Mixing, and Sample Pumps	\$ 150,000.00	\$ 156,000.00	\$	\$	\$	\$	\$	\$
BASE BID				Environmental Improvements, Inc.				FCX Performance-Pierce Pump			
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
B	11086	LS	Chemical Feed Skids	\$ 151,000.00	\$ 158,000.00	\$ 280,000.00	\$ 280,000.00	\$	\$	\$	\$
BASE BID				Diamond Fiberglass							
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
9	15160	LS	Equipment for Bulk Chemical Storage Tanks	\$ 191,495.00	\$ 191,495.00	\$	\$	\$	\$	\$	\$
ADDITIVE ALTERNATE BID NO. 1											
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
A1	11071	LS	Raw Water Pump	\$	\$	\$	\$	\$	\$	\$	\$
ADDITIVE ALTERNATE BID NO. 1											
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
A2	11071	LS	Pump Equipment for Vertical Turbine	\$	\$	\$	\$	\$	\$	\$	\$
ADDITIVE ALTERNATE BID NO. 1				FCX Performance-Pierce Pump				Patterson Pump Company			
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
A3	11072	LS	Pump Equipment for Horizontal Split Case Centrifugal	\$ 200,000.00	\$ 200,000.00	\$ 220,599.00	\$	\$	\$	\$	\$

ADDITIVE ALTERNATE BID NO. 1									
Item No.	Spec Section	Unit	Item	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery	Standard Delivery	Expedited Delivery
A4	11071/11072	LS	High Pressure RO Feed Pump	\$ 356,150.00	\$	\$	\$	\$	\$
Patterson Pump Company									
ADDITIVE ALTERNATE BID NO. 1				Blivwater AEWVT, Inc.		Doosan Hydro Technology, LLC		Hem RIO Systems, Inc.	
A5	11401	LS	Reverse Osmosis Membrane System	\$ 1,079,800.00	\$ 1,166,200.00	\$ 1,170,703.00	\$ 1,170,703.00	\$ 1,250,223.00	\$ 1,250,223.00
ADDITIVE ALTERNATE BID NO. 2				Blivwater AEWVT, Inc.		Doosan Hydro Technology, LLC		Hem RIO Systems, Inc.	
B1	11071	LS	Raw Water Pump	\$	\$	\$	\$	\$	\$
ADDITIVE ALTERNATE BID NO. 2				Blivwater AEWVT, Inc.		Doosan Hydro Technology, LLC		Hem RIO Systems, Inc.	
B2	11071	LS	Pump Equipment for Vertical Turbina	\$	\$	\$	\$	\$	\$
ADDITIVE ALTERNATE BID NO. 2				FCX Performance-Pierce Pump		Patterson Pump Company		Hem RIO Systems, Inc.	
B3	11072	LS	Pump Equipment for Horizontal Split Case Centrifugal	\$ 410,000.00	\$ 410,000.00	\$ 608,289.00	\$	\$	\$
ADDITIVE ALTERNATE BID NO. 2				Blivwater AEWVT, Inc.		Doosan Hydro Technology, LLC		Hem RIO Systems, Inc.	
B4	11071/11072	LS	High Pressure RO Feed Pump	\$ 181,285.00	\$	\$	\$	\$	\$
ADDITIVE ALTERNATE BID NO. 2				Blivwater AEWVT, Inc.		Doosan Hydro Technology, LLC		Hem RIO Systems, Inc.	
B5	11401	LS	Reverse Osmosis Membrane System	\$ 550,000.00	\$ 625,500.00	\$ 585,897.00	\$ 585,897.00	\$ 760,544.00	\$ 775,544.00

Due to calculation error, Doosan Hydro Technology, LLC's item No. 6 Standard Delivery Bid is higher than what was read aloud at the Bid Opening.

I, GOLDEN S. RICH, P.E. #110231, DO HEREBY CERTIFY THAT THE ABOVE REFERENCED BIDS WERE RECEIVED, IN ACCORDANCE WITH THE ADVERTISED PROCEDURES, OPENED, AND READ ALOUD. THE BID TABULATION HEREIN IS A TRUE AND ACCURATE REPRESENTATION OF THE BIDS READ ALOUD.



*Golden S. Rich*  
GOLDEN S. RICH, P.E. #110231

11/24/14