

**City Council
Agenda Memo**



**City Council
Meeting Date: November 20, 2014**

TO: David A. Vela, Interim City Manager
FROM: Rodney Taylor, Assistant Director of Water Utilities
SUBJECT: Written Resolution Authorizing the Purchase of Microfiltration Units and Related Equipment for Expansion of the Hargesheimer Water Treatment Plant from Pall Corporation.

GENERAL INFORMATION

The City of Abilene Water Department is requesting that by written resolution the City Council authorize the purchase from Pall Corporation (Pall) of Cortland NY the Microfiltration Membrane Units and Related Equipment for the Expansion of the Hargesheimer Water Treatment Plant (HWTP). The purchase price is \$1,585,000.00. This is a pre-construction purchase of sole source items necessary to meet delivery schedules of the drought response strategy. Pall supplied the original Microfiltration (MF) system at the HWTP, and Pall will be supplying this proprietary equipment to assure its compatibility with existing plant equipment.

In response to the on-going drought and as a part of the City's overall second-stage, short-term drought response strategy, the City is expanding the capacity of the Hargesheimer WTP. Enprotec/Hibbs & Todd was hired as the Texas Professional Engineer to design the plant expansion. The Hargesheimer WTP began operating in 2003. The expansion project will double the capacity to treat water from the O.H. Ivie Reservoir from 6 MGD to 12 MGD. The expansion project includes a new pretreatment facility, on-site residuals handling facilities, up-sizing of several chemical feed systems, and expansion of the hollow fiber microfiltration (MF) system. This purchase from Pall includes providing two MF skids with all related valves, controls/instruments, filter modules, and related appurtenances. Additionally, Pall will be supplying a new air receiver tank for the air scour cleaning system, a new enhanced flux maintenance (EFM) tank for membrane cleaning, and all computer hardware and programming necessary to incorporate the new equipment into the existing control network. The purchased equipment and hardware will be installed by a general contractor under separate contract. Pall will install all control software.

FISCAL IMPACT

The proposal from Pall totals \$1,585,000.00. This purchase is part of the Stage 2, Short-term Drought Response Strategy and will be funded from the proceeds of the Water Department's 2014 Certificates of Obligation.

STAFF RECOMMENDATION

Staff recommends that the City Council authorize the written resolution for purchase as described above.

ATTACHMENTS

Engineer's Letter of Recommendation
Written Resolution

Prepared by: Name: Rodney Taylor Title: Assistant Director of Water Utilities	Item No. <u>7.2</u>	Disposition by City Council <input type="checkbox"/> Approved Ord/Res# _____ <input type="checkbox"/> Denied <input type="checkbox"/> Other _____ City Secretary
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November 6, 2014

City of Abilene, Texas
P. O. Box 60
Abilene, TX 79604
Attn: Mr. Rodney Taylor

**Re: Letter of Recommendation
Hargesheimer WTP Expansion – Microfiltration System Expansion
eHT Project No. 6092**

Dear Mr. Taylor:

We have reviewed the Hargesheimer WTP Expansion Proposal from Pall Corporation for the proposed improvements to the Hargesheimer Water Treatment Plant totaling \$1,585,000.00. The proposal includes the following components and services:

- Two (2) HDPE MF quad rack units with modules, block and bleed valves and all related appurtenances
- An additional EFM tank with heater, valves, and instruments
- Additional computer/PLC hardware to incorporate the new racks into the existing control system
- Programming and field service to start up new system(s)
- Additional air receiver tank
- Additional heaters (2 total) for the low and high pH cleaning tanks

Because the Hargesheimer WTP has six (6) existing Pall MF racks, this equipment and programming is considered proprietary. We recommend proceeding with the proposal.

Please do not hesitate to contact me if you have any questions.

Sincerely,

Enrotec / Hibbs & Todd, Inc.

Jordan S. Hibbs, P.E.

C: Project File 6092

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Environmental, Civil & Geotechnical Engineers

Abilene Office
402 Cedar
Abilene, Texas 79601
P.O. Box 3097
Abilene, Texas 79604
325.696.5600 | 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
817.579.8791 | 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

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

RESOLUTION NO. _____

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS
AUTHORIZING THE PURCHASE OF MICROFILTRATION UNITS AND RELATED
EQUIPMENT FOR EXPANSION OF THE HARGESHEIMER WATER TREATMENT PLANT
FROM PALL CORPORATION**

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 expanding the capacity of its Hargesheimer Water Treatment Plant; and

WHEREAS, the expansion includes a new pretreatment facility, on-site residuals handling facilities, upsizing chemical feed systems and expansion of the hollow fiber microfiltration system; and

WHEREAS, Pall Corporation (Pall) has supplied all currently existing components to the microfiltration system; and

WHEREAS, for the expansion Pall will provide two microfiltration skids with all related valves, controls/instruments, filter modules, and related appurtenances; will supply a new air receiver tank; will supply a new enhanced flux maintenance tank for membrane cleaning; and will provide all computer hardware and programming necessary to incorporate the new equipment into the existing control network; and

WHEREAS, only Pall components will work in the current system as upgraded, the purchase of the microfiltration units is proprietary and a sole source purchase; and

WHEREAS, the proposal received from Pall Corporation is \$1,585,000.

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

The City Council authorizes the sole source proprietary purchase of the Microfiltration Units and related equipment from Pall Corporation.

ADOPTED this 20th day of November, 2014.

ATTEST:

Danette Dunlap, City Secretary

Norman Archibald, Mayor

APPROVED:

T. Daniel Santee, City Attorney