



BOARD OF COUNTY COMMISSIONERS

DATE: May 7 2013
AGENDA ITEM NO. //

Consent Agenda ☐

Regular Agenda ☒

Public Hearing ☐

County Administrator's Signature:

Subject:

Non-Competitive Purchase: Ragless Impellers for Chemineer Mixers
Contract No. 123-0269-N (JJ)

Department:

Department of Environment and Infrastructure (DEI) /
Purchasing

Staff Member Responsible:

Jorge Quintas / Joe Lauro

Recommended Action:

I RECOMMEND THE BOARD OF COUNTY COMMISSIONERS APPROVE THE PURCHASE OF TWENTY (20) RL3 IMPELLERS FOR CHEMINEER MIXERS ON A NON-COMPETITIVE BASIS FROM CHEMINEER, INC. C/O CARL ERIC JOHNSON, INC. (CHEMINEER), LAWRENCEVILLE, GEORGIA.

Summary Explanation/Background:

On October 8, 2012, DEI purchased four (4) Chemineer impellers for the South Cross Bayou Water Reclamation Facility (SCB) and William E. Dunn Water Reclamation Facility (WED) to test the manufacturer's claim of "ragless" functionality. The accumulation of rags on impellers has historically been a constant and expensive nuisance. Three months after installation of the impellers, the anoxic tanks at SCB were drained and the Chemineer impellers were found to have accumulated no rags or fibrous materials.

As a result, DEI is requesting consideration to purchase the remaining twenty (20) impellers to be installed at SCB and WED. The upgrade to Chemineer impellers at SCB and WED will reduce the maintenance of removing rags that build up on impellers causing premature bearing failure. It is estimated the upgrade will save approximately \$60,000.00 per year between both facilities. Currently, both facilities utilize Chemineer gearboxes and impeller shafts; therefore, the installation of Chemineer impellers will not require retrofitting.

For this specific application, Chemineer is deemed to be the only reasonable and practicable source based on the current application of Chemineer gearboxes and impeller shafts, testing by DEI and potential savings derived from lower maintenance and repairs.

Fiscal Impact/Cost/Revenue Summary:

Estimated Total Expenditure is \$302,379.00
Funding is derived from the DEI Water and Sewer Operating Fund.

Exhibits/Attachments:

Contract Review
Department Request
Pricing



**PURCHASING DEPARTMENT
CONTRACT REVIEW TRANSMITTAL**

CATS
NO.: 42048

PROJECT: Non-Competitive Purchase: Ragless Impellers for Chemineer Mixers

BID NUMBER: 123-0269-N(JJ)

REQ. NUMBER:

TYPE: ☐ Purchase Contract ☐ Other: ☐ Construction-Less than \$100,000 ☒ One Time

In accordance with the policy guide for Contract Administration, the attached documents are submitted for review and comment.

Upon completion of review, complete Contract Review Transmittal and forward to next Review Authority listed. Please indicate suggested changes by revising, in RED, the appropriate section of the document reflecting the exact wording of the change.

RISK MANAGEMENT: Please enter required liability coverage on pages:

PRODUCT ONLY ☒

Estimated Expenditure: \$302,379.00

REVIEW SEQUENCE	REVIEW AUTHORITY	REVIEW DATE	REVIEW SIGNATURE	COMMENTS (Attach Separate page if necessary)	COMMENTS INCORPORATED
1.	Purchasing Dept. J. Lauro, Director C. Mancuso, Ass't. Director	4/12/13 KR			
2.	Requesting Dept. DEI J. Quintas, Director R. Powell, Director	4/9 4/9/13		NOTE: ADDITIONAL SUPPORTING BACK-UP DOCUMENTATION ADDED TO CONTRACT REVIEW PACKET	

Using Dept please provide below information:

☐ Yes, funding for this requisition is using grant Funding. ☒ No, funding for this requisition is not using grant Funding.

If grant funding is being used you must provide Purchasing with the exact clauses that need to be on attached document.

Please check attached vendor list. Circle vendors you want bids mailed to. Add additional vendors with complete information (Name, Address, Phone and Fax)

3. CHHS 4-10	Risk Management Director Attn: Virginia E. Holscher (Check applicable box at right)	4/12/13		Pls see attached insurance req's	<input type="checkbox"/> HIGH RISK <input type="checkbox"/> NOT HIGH RISK
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RETURN ALL DOCUMENTS TO PURCHASING

Make all inquiries to: Jim Just

43205

In order to meet the following schedule, please return your requirements to Purchasing by: **ASAP**

TENTATIVE DATES

Bid Mail Out:

Bid Opening:

Purchasing Director Approval:

MEMORANDUM



TO: Joe Lauro, Director of Purchasing

FROM: Jim Hall, P.E., CIP Program Manager

THRU: Jorge Quintas, P.E., Director of Engineering and Technical Support

SUBJECT: Chemineer Impellers at South Cross Bayou (SCB) and William E. Dunn (WED) Wastewater Treatment Facility

DATE: March 7, 2013

On October 8, 2012, DEI requested the purchase of ragless impellers for the SCB and WED facilities to complete the testing of the "ragless" abilities. On February 28, 2013, nearly three months after installation of the impellers, the anoxic tanks at SCB were drained and the impellers were found to have accumulated no rags or any fibrous materials. As a result DEI is requesting to purchase the remaining impellers to be retro-fit at SCB and WED. As stated in the previous memo, the upgrade to ragless impellers at SCB and WED Facilities will reduce the maintenance of removing the rags that build up on the existing impellers which cause premature bearing failure. This will result in saving approximately \$60,000.00 per year in de-ragging between both facilities.

Attached is quote in the amount of \$302,379.40 (includes shipping) from Carl Eric Johnson. They are the representative for Chemineer for the southeast area.

Engineering and Technical Support is requesting a non competitive approval for this purchase to have Chemineer supply these impellers due to currently having the gearboxes and impeller shafts in place. To switch to a different company would cost more because the company would have to do the research and development to design a ragless impeller that would work with the gearbox and shaft. There are many considerations that would need to be taken into consideration which is why Chemineer has taken nearly 4 years to develop this impeller. Orange County Utilities in Orlando, Florida invited Chemineer to participate in a 60 day study to compare and contrast existing ragless style impellers currently available on the market. The intent of the study was to find a suitable impeller that was ragless and provided good solids suspension. The Chemineer impeller satisfied both mixing and material shedding. The other two impellers tested could not satisfy both criteria.

The pricing is considered to be very competitive, please see attached email addressing the issue of cost.

Funds for this are to be taken from 431470 for sewer.



Carl Eric Johnson, Inc.
Chemineer
Authorized Service Center



HOME OFFICE:
1725-Q MacLeod Drive Lawrenceville, GA 30043
Phone: 678-377-3100 Fax: 678-377-2021
Website: www.cejco.net

BRANCH OFFICE:
5385 Gateway Blvd. Ste 6 Lakeland, FL 33811
Phone: 863-940-4832 Fax: 863-940-4834
E-mail: croberts@cejco.net

March 28, 2013

Quote 32581-DER12/13

Att: Mr. James Hall, PE
Division of Engineering
Pinellas County, FL

Phone: 727-464-3883

Sub: RL3 Ragless Impellers for
Chemineer Mixers at WE Dunn
and South Cross Bayou WWTP's

Number of Pages: TWO

Dear Mr. Hall,

As requested, we are pleased to provide the following quotation confirmation for replacement RL3 impellers for the Chemineer mixers as referenced:

WE DUNN IMPELLER REPLACEMENTS:

ITEM No	DESCRIPTION	TANK	LIST EA	DISC EA	QTY	EXTENSION
84" RL3	84" Diameter RL3 Impeller	Fermentation	\$ 9,964.00	\$ 8,968.00	2	\$ 17,936.00
100" RL3	100" Diameter RL3 Impeller	1st Anoxic	14,928.00	13,435.00	4	27,477.00
100" RL3	100" Diameter RL3 Impeller	2nd Anoxic	14,928.00	13,435.00	4	27,477.00
Estimated truck freight, FOB Factory, OH*				500.00	10	5,000.00
TOTAL PRICE QTY (10) RL3 IMPELLERS						\$ 130,416.00

SOUTH CROSS BAYOU IMPELLER REPLACEMENTS:

ITEM No	DESCRIPTION	TANK	LIST EA	DISC EA	QTY	EXTENSION
88" RL3	88" Diameter RL3 Impeller	1st Anoxic	\$ 10,177.00	\$ 9,159.00	6	\$ 54,955.00
128" RL3	128" Diameter RL3 Impeller	2nd Anoxic	31,113.00	28,002.00	4	112,008.00
Estimated truck freight, FOB Factory, OH*				500.00	10	5,000.00
TOTAL PRICE QTY (10) RL3 IMPELLERS						\$ 171,963.00

* Freight is estimated only. Actual freight charges at time of shipment will apply.

The following terms and conditions apply to this quotation:

Shipment: Qty (4) in 8 to 10 weeks with Qty (4) every two weeks thereafter until all (20) ships.
Prices quoted do not include freight, permits, special packaging, or taxes of any kind.
Shipped FOB Dayton, OH; freight prepaid and added to invoice unless instructed otherwise.
Terms: Net 30 days with approved account. Quote validity: 30 days from date of issue.

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WED & SCB RL3 Impellers
Quote 32581-DER12/13

If you would like to place an order, please address and send to:

CHEMINEER, INC
c/o Carl Eric Johnson, Inc.
1725Q MacLeod Drive
Lawrenceville, GA 30043
FAX 863-940-4834 or
email to: croberts@cejco.net

Please give us a call if you need anything else. Thank you for consideration.

Best Regards,
Carolyn Roberts
Carolyn Roberts

Cc: D Story / R Leffew /CEJ
R Baker / J Hora / CHM