

Meeting Date (?) 04/12/2016

Subject Matter* (?) Purchase of Polymer for Wastewater Treatment Plants
This must match rolling agenda entry

Department of Origin* WATER SERVICES

Submitted By* Mark Jurica

Type of Meeting* BCD Special Regular

Classification* Public Hearing Consent Statutory Regular

Ordinance* None First Read Second Read First & Only Read

Strategic Initiative* Public Safety Service
 Economic Development Infrastructure
 Quality of Life

Agenda Item Description* Consider approving the 2nd extension to an Annual Price Agreement for the purchase of polymer from Fort Bend Services of Stafford, TX in an amount not to exceed \$68,574.00.

Summary Statement* Water Services is requesting City Council approval for the 2nd extension of an Annual Price Agreement with Fort Bend Services for purchase of polymer. Water Services uses polymer to dewater sludge from its wastewater treatment plants. Polymer is a conditioning product that promotes flocculation of solids within a solution. Solids management is required for all three of Bryan's wastewater treatment plants.

On April 28, 2014, two (2) sealed bids were received and opened for purchase of polymer. The bid providing the best value to the City of Bryan was the lowest bid as submitted by Fort Bend Services (\$68,574.00). The second bid was provided by Spectrum Water Technology of Lake Charles, LA (\$86,526.00).

Purchase history for polymer over the past three (3) fiscal years is as follows: FY16: (current): BPO 150956 (Fort Bend Services) \$46,827.00; FY15: BPO# 140852 (Fort Bend Services) \$69,938.00; and FY14: BPOs #130982/140810 (Southwest Engineers): \$73,501.15.

The purchased polymer is received as an emulsion. Activation of the polymer requires physical mixing of the product to separate the oil-emulsion from the bound polymer strand(s). Factors influencing polymer performance include product activation (i.e. varying retention times and mixing forces by blending equipment in accordance with the polymer's listed percent active product) and the charge capability between the polymer and sludge. Polymer consumption is driven by the polymer's ability to flocculate solids and each plant's quantity of sludge produced.

Water Services respectfully request the City Council approve the 2nd extension of an Annual Price Agreement with Fort Bend Services in an amount not to exceed \$68,574.00. The City of Bryan has an option of extending its contract with Fort Bend Services for two (2) additional one (1) year terms extended one (1) year at a time. Each extension will be completed under the same terms and conditions as the original contract, provided, however, that the unit prices bid under the original contract may, by mutual agreement, be increased by no more than eight percent (8%) of the original contract price over the five (5) year period. No increase in pricing was requested by Fort Bend Services for this extension.

Staff Analysis & Recommendation *

Water Services respectfully request the City Council approve the 2nd extension of an Annual Price Agreement for polymer with Fort Bend Services in the not to exceed amount of \$68,574.00. Polymer, or other coagulant, is required to aid in sludge dewatering. Polymer is the coagulant of choice within the treatment plants. Staff is knowledgeable and experienced with polymer for sludge dewatering. Treatment plants are currently setup for using polymer opposed to alternate conditioners such as lime, ferric chloride, or alum, which may require additional equipment and handling expense by the City. Utilities (electrical and water) and labor expense will increase without sludge conditioning prior to dewatering.

Options *

(In Suggested Order of Staff Preference)

1. Approve the 2nd extension of an Annual Price Agreement
2. Do not approve the 2nd extension of an Annual Price Agreement
3. Do not approve the 2nd extension of an Annual Price Agreement and provide direction

Funding Source *

Wastewater Fund

Attachments

Fort Bend Services Extension Letter.PDF

278.38KB

Please detail attachments and note attachments available for viewing in City Secretary's Office:

1. Letter regarding the 2nd Extension to the Annual Price Agreement (dated March 8, 2016)

Dept. Head Signature

JAYSON E. BALFNECHT 03/10/16

Deputy City Manager Signature

Hugh R. Walker

City Manager Signature

Hugh R. Walker

City Attorney Signature

Janis K. Hampton