

ACTION FORM BRYAN CITY COUNCIL

DATE OF COUNCIL MEETING: May 28, 2013		DATE SUBMITTED: May 19, 2013	
DEPARTMENT OF ORIGIN: Water Services		SUBMITTED BY: J. Barfknecht	
MEETING TYPE:	CLASSIFICATION:	ORDINANCE:	STRATEGIC INITIATIVE:
<input type="checkbox"/> BCD	<input type="checkbox"/> PUBLIC HEARING	<input type="checkbox"/> 1ST READING	<input type="checkbox"/> PUBLIC SAFETY
<input type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> CONSENT	<input type="checkbox"/> 2ND READING	<input checked="" type="checkbox"/> SERVICE
<input checked="" type="checkbox"/> REGULAR	<input type="checkbox"/> STATUTORY		<input type="checkbox"/> ECONOMIC DEVELOP.
<input type="checkbox"/> WORKSHOP	<input type="checkbox"/> REGULAR		<input checked="" type="checkbox"/> INFRASTRUCTURE
			<input checked="" type="checkbox"/> QUALITY OF LIFE
AGENDA ITEM DESCRIPTION: Consider approving the purchase of three (3) Paco type KP Model 1015-4 10" x 12" horizontal split case pumps and motors from Pump & Power Equipment at a not to exceed price of \$202,539.00.			
SUMMARY STATEMENT: Water Services is requesting Council approval for the purchase of three (3) Paco pumps and motors to replace three (3) existing Paco pumps and motors (Pumps 2, 3, and 4) at the Main Street Pump Station.			
<ul style="list-style-type: none"> • Pump 2 is currently rated for 3,900 gpm (motor has failed and can no longer be rebuilt) • Pump 3 is currently rated for 2,400 gpm (pump and motor are undersized for our system) • Pump 4 is currently rated for 3,900 gpm 			
<p>This project calls for upgrading three (3) pumps to 4,400 gpm each and purchasing new 300 HP motors for the drive units. Pump 4 has the only motor serviceable to meet the new demand range. However, it is more cost effective to purchase the units as a combination, the serviceable motor is more than forty (40) years old, and is rated for 250 HP (marginal HP tolerance for the larger pump).</p>			
<p>By upgrading these units, 3,000 gpm will be added to the nameplate rating or 4,320,000 gallons per day (gpd). In reality, an additional 5,400 gpm will be added to the daily production (Pump 3 is offline due to under sizing) or 7,776,000 gpd. This change is important for TCEQ regulations in determining the pumping capacity of the system.</p>			
<p>There are five (5) pumps in the Main Street Pump Station; all the pumps are manufactured by Paco. Pumps 1 and 5 are already rated for 4,400 gpm. By maintaining our standardization to the Paco model, necessary parts inventory is reduced and staff does not have to learn the nuances of different equipment. Only one quote is being brought to City Council for consideration as Pump and Power Equipment is the only authorized distributor for this equipment in the area.</p>			
<p>A total of \$282,000 was approved for expenditure in FY2013 for the replacement of this equipment. If the City Council approves this purchase, the balance (\$79,461) will be available for the installation of the equipment. Although Pump and Power also provides installation services, that portion of the project will be bid separately to allow local contractors the opportunity to submit. Installation services are not being procured at this time due to the long lead time for the pumps (approximately 5-6 months).</p>			
STAFF ANALYSIS AND RECOMMENDATION:			
A. PROS: Staff recommends approving the purchase of this equipment. It allows Water Services to better meet			

system demands, enhances equipment reliability, and helps our Production rating continue to meet TCEQ requirements for capacity.

B. CONS: The purchase will necessitate the expenditure of public funds.

Staff respectfully requests City Council approve this purchase. The existing equipment has exceeded its mechanical limitations and requires replacement. By slightly upgrading these pumps to a larger size, production output will increase without having to abandon the current electrical switchgear.

OPTIONS (In Suggested Order of Staff Preference):

- 1) Approve the equipment purchase.
- 2) Modify the equipment purchase, which may require consideration at a future City Council meeting.
- 3) Do not approve the equipment purchase and provide direction.

ATTACHMENTS: Pump and Power Equipment Quote; Sole Source Letter (pdf)

FUNDING SOURCE: Water Fund (510)

APPROVALS: Jayson Barfknecht 05/19/13; Hugh R. Walker, 05/20/2013

APPROVED FOR SUBMITTAL: CITY MANAGER

APPROVED FOR SUBMITTAL: CITY ATTORNEY Janis K. Hampton, 05-20-2013

Revised 04/2013