

CITY OF HIGH POINT

AGENDA ITEM



Title: Riverdale Pump Station Submersible Pump

From: Terry Houk – Public Services Director
Derrick Boone – Public Services Asst. Director

Meeting Date: March 4, 2019

Public Hearing: N/A

Advertising Date: N/A

Advertised By: N/A

Attachments: Summary of Quotes

PURPOSE:

To expand the capacity of the Riverdale Lift Station while an emergency bypass is in place to repair the station from flooding that occurred during Hurricane Florence.

BACKGROUND:

The City of High Point transfers wastewater flow to the Eastside WWTP via the Riverdale Pump Station from areas located on the north side of the city. This is the City's largest pump station. During Hurricane Florence, the pump station flooded resulting in damage to three (3) pumps. While still under the emergency bypass, the Public Services is expanding the Riverdale Lift Station. The expansion will include a 10 MGD submersible pump and a second force main that will discharge to the Eastside Wastewater Treatment Plant. Public Services requested quotes from six companies and four responded by the due date. The selection is based on meeting the design criteria and the fastest delivery at the lowest price. This has been declared a pressing need per the City's purchasing manager.

BUDGET IMPACT:

Funds for this project are available in the 2018-2019 Budget.

RECOMMENDATION / ACTION REQUESTED:

The Public Services Department recommends tht City Council approve the quote submitted by Xylem for the amount of \$205,000.

Prices for Submersible Pump for Riverdale Pump Station for the City of High Point

<u>Contractor</u>	<u>Pump Price</u>	<u>Shop Dwgs. Delivery (after execution of PO)</u>	<u>Base & Rails Delivery (after approval of Shop Dwgs.)</u>	<u>Pump Delivery (After approval of Shop Dwgs.)</u>
Tencarva Machinery	\$ 186,075.00	7 calendar days	91 calendar days	217 calendar days
Xylem	\$ 205,000.00	21 calendar days	21 calendar days	70 calendar days
Clearwater, Inc.	\$ 314,000.00	60 calendar days (Preliminary Submittal available in 14 days)	80 calendar days	190 calendar days
Charles R. Underwood, Inc.	\$ 432,000.00	7 calendar days	21 calendar days	210 calendar days



February 25, 2019

Terry Houk
City of High Point
P. O. Box 230
High Point, NC 27261

REF: Review of Pump Quotes
City of High Point, Riverdale Pump Station

Dear Terry,

On February 12, 2019 the City of High Point issued a request for quotes from five pump manufacturers for a 10 mgd submersible pump for Riverdale Pump Station. The responses were due on Feb 22, 2019, and responses were received from four manufacturers. A summary of the responses is as follows:

<u>Manufacturer/ Representative</u>	<u>Pump Price</u>	<u>Shop Dwgs. Delivery (after execution of PO)</u>	<u>Base & Rails Delivery (after approval of Shop Dwgs.)</u>	<u>Pump Delivery (After approval of Shop Dwgs.)</u>
Tencarva Machinery	\$186,075.00	7 calendar days	91 calendar days	217 calendar days
Xylem	\$205,000.00	21 calendar days	21 calendar days	70 calendar days
Clearwater, Inc.	\$314,000.00	60 calendar days (Preliminary Submittal available in 14 days)	80 calendar days	190 calendar days
Charles R. Underwood, Inc.	\$432,000.00	7 calendar days	21 calendar days	210 calendar days

The low quote was provided by Tencarva for a KSB pump. The second low bid was by Xylem for a Flygt pump.

The City of High Point desires to have the pump base and rails installed as quickly as possible, to remove the need for bypass pumping at the Riverdale Sewer Lift Station. Based on the delivery time of shop drawings and the base and rails, Charles Underwood has the shortest delivery time at 28 days and Xylem is second with 42 days. Tencarva's delivery time for shop drawings and base and rails was 98 days.

All of the submitted pumps meet the initial review against the technical specifications.

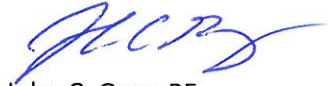
According to City staff the bypass pump operation is costing the City approximately \$130,000 a month (30 days). To equate the time of delivery into cost provides the following:

<u>Manufacturer/Representative</u>	<u>Pump Price</u>	<u>Price for Delivery of Shop Drawings, Base and Rails w/bypass pumping cost at \$4,333/day</u>	<u>Total cost of pump and time of shop drawing, base and rail delivery</u>
Xylem	\$205,000.00	\$181,986.00	\$386,986.00
Charles R. Underwood, Inc.	\$432,000.00	\$121,324.00	\$553,324.00
Tencarva Machinery	\$186,075.00	\$424,634.00	\$610,709.00
Clearwater, Inc.	\$314,000.00	\$606,620.00	\$920,620.00

Based on consideration of pump cost and estimated cost for bypass pumping due to delivery times, Xylem has the lowest overall price. We therefore suggest the City of High Point award the Riverdale Pump Station Submersible Pump Procurement to Xylem Water Solutions USA, Inc., Flygt Products, 635 Gold Hill Rd, Fort Mill, SC 29715, contact is Matt Cox at 704-249-5465. Please contact us if you have questions or comments.

Sincerely,

THE WOOTEN COMPANY



John C. Grey, PE
Regional Manager

JCG/dsy