



UTILITIES COMMITTEE
MONDAY, JUNE 3, 2019
12:00 P.M.
COUNCIL CHAMBERS

1. **SOLE SOURCE FOR PURCHASING PUMP AND APPURTENANCES**
TERI O'NEAL, SENIOR UTILITY ENGINEER
(STAFF REPORT)
2. **WATER RESOURCES UDF PRESENTATION**
ED ANDREWS, WATER SUPERVISOR
(PRESENTATION)



UTILITIES COMMITTEE
June 3, 2019

SUBJECT: Sole Source for Purchasing Pump and Appurtenances

RECOMMENDATION: Motion to forward a Resolution declaring PumpTech Inc. to be the single source of supply for purchasing the necessary Peerless 7-Stage 12LD pump and appurtenances to the full Council for adoption.

STAFF CONTACT: Scott Spence, City Manager ^{SS}
Troy Woo, Finance Director ^{TW}
Scott Egger, Public Works Director
Peter Brooks, Water Resources Manager ^{PB}
Teri O'Neal, Senior Utility Engineer ^{TO}

ORIGINATED BY: Public Works Department

ATTACHMENTS: 1. [Draft Resolution](#)

FISCAL NOTE: Funding for this contract is covered under fund code WA16WF. The cost for this project will likely exceed the budgeted \$500,000 within this fund code and a budget amendment will be necessary.

PRIOR REVIEW: Council approved the 2019 Water Capital Funds as part of the 2019 Budget. The "Hawk Prairie Wellfield" project is included in the 2019 Water Capital Funds.

BACKGROUND:

The City of Lacey operates the water system serving Lacey and its Urban Growth Area (UGA). The City has 2 well sources, Source 19 (HP Well 1) and Source 31 (HP Well 2), at the City's Hawks Prairie water facilities site. In summer 2016, HP Well 2 experienced several sand events. The City worked with Northwest Land and Water (NLW) to rehab the well, the lower screen was blocked off and these measure resolved the sanding problem. However, sanding could reoccur due to pump backflow surges and destabilize the sediments adjacent to the well screen.

NLW's sub-consultant, RH2 Engineering (RH2), identified improvements for preventing backflow surges in the well. A submersible pump and motor was identified to effectively prevent the down-well flow of water. A submersible temporary pump was installed summer 2018 to test and operate the well. The temporary pump proved effective; however, the pump was not sized for the needed flow and also did not meet other necessary long-term parameters. In addition, late 2018, HP Well 1 began sanding and is scheduled for rehabbing after the peak water season. This well obtains water from the same aquifer as HP Well 2 and could require a similar pump as HP Well 2.

NLW provided RH2 with long term pump design parameters along with other critical requirements for the well. From these parameters, RH2 reviewed pump options and found only one pump that meets all of the elements. The Peerless 7-Stage 12LD Pump is sized appropriately for a replacement HP Well 2 pump. The advantage of this pump is that it meets the flow requirements, and the high efficiency allows it to operate under a wide range of flows resulting in energy savings during low demands without adverse effects to the pump's life expectancy. Per the regional manager of Peerless Pumps, only PumpTech Inc. can supply and install the Peerless pump. In addition, the pump appurtenance (tubes and other items) are attached to the pump column and thus need to be installed at the same time as the pump. PumpTech Inc. is clearly and legitimately the sole source for services

City staff recommends adopting a resolution declaring PumpTech Inc. to be the single source of supply for purchasing the necessary Peerless 7-Stage 12LD pump and appurtenances.

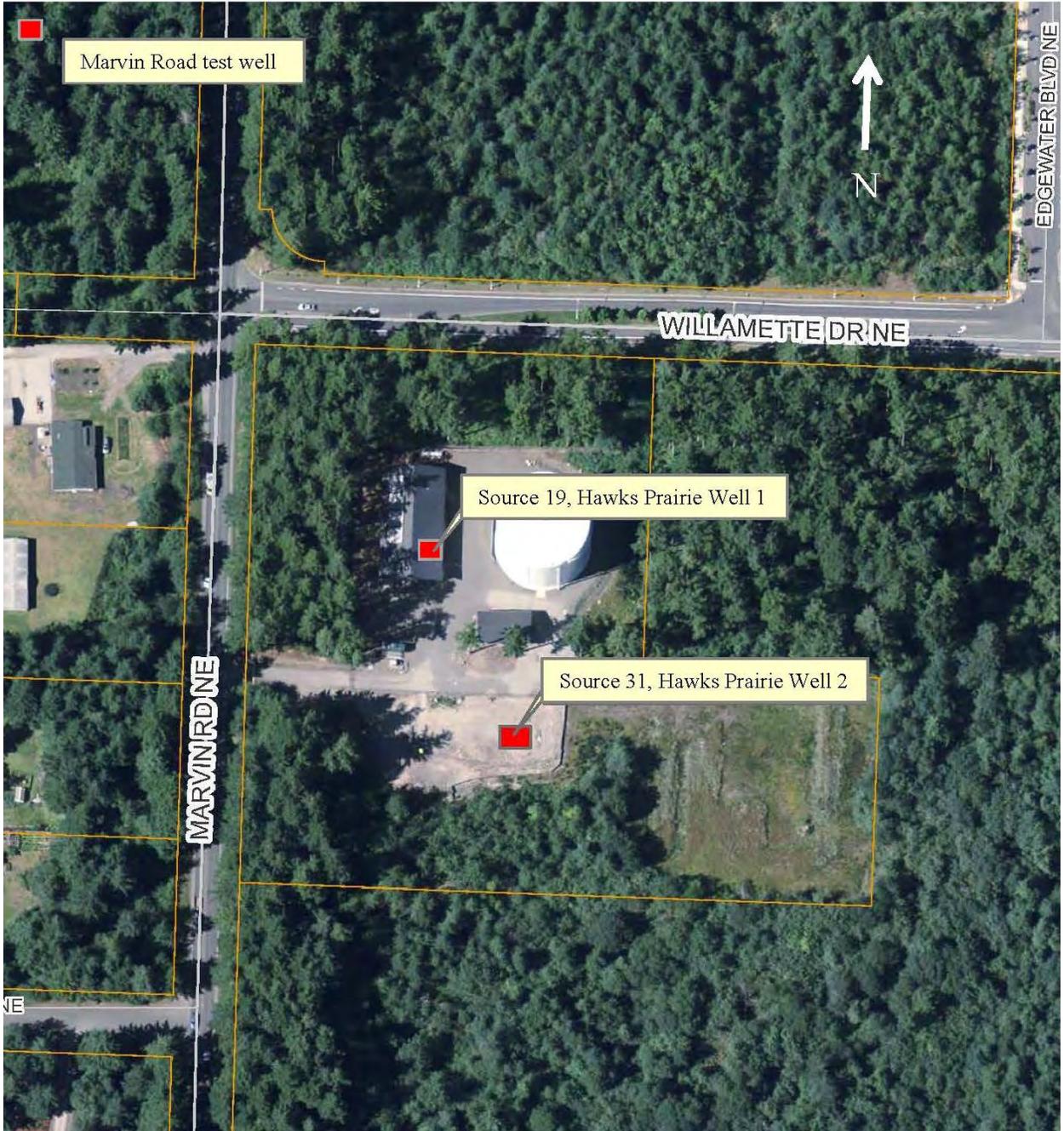
ADVANTAGES:

1. The potential for reoccurring well sanding is significantly reduced.
2. The Peerless pump meets the flow requirements, the high efficiency allows it to operate under a wide range of flows, and the lower revolutions per minute (rpm) results in a longer pump life expectancy.
3. Purchasing request involves specials material and labor, and is an allowed exemption of competitive bidding requirements per RCW 39.04.280.

DISADVANTAGES:

1. None.

Project Location



RESOLUTION _____

CITY OF LACEY

A RESOLUTION DECLARING PUMP TECH, INC. TO BE THE SINGLE SOURCE OF SUPPLY FOR THE PURCHASE AND INSTALLATION OF CERTAIN EQUIPMENT.

WHEREAS, The City of Lacey operates a comprehensive water system which serves both Lacey and its Urban Growth Area; and

WHEREAS, two of the city's well sources at the City's Hawks Prairie water facilities site, (Source 19 (HP Well 1) and Source 31 (HP Well 2)), have experienced sanding; and

WHEREAS, sanding could reoccur due to pump backflow surges which would destabilize the sediments adjacent to the well screen; and

WHEREAS, a temporary submersible pump has been identified to effectively prevent backflow surges in the well; however, the pump was not sized for the needed flow and did not meet other necessary long-term parameters; and

WHEREAS, long-term pump design parameters have been developed and only one pump, the Peerless 7-stage 12LD Pump, has been determined to meet all of the necessary design elements; and

WHEREAS, only Pump Tech, Inc. can supply and install the Peerless 7-stage 12LD Pump and necessary appurtenances; and

WHEREAS, RCW 39.04.280(1)(a) provides that competitive bid requirements may be waived by the governing body of a municipality for purchases that are clearly and legitimately limited to a single source of supply; and

WHEREAS, Pump Tech, Inc is clearly and legitimately the sole source for all services related to the purchase and installation of the necessary Peerless 7-stage 12LD Pumps.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LACEY, WASHINGTON as follows:

1. Based upon the preceding legislative findings, the City Council hereby declares that the purchase and installation of the Peerless 7-stage 12LD Pumps is clearly and legitimately limited to a single source of supply and that the sole source of that supply is Pump Tech, Inc.

2. Based upon the preceding legislative findings, and pursuant to RCW 39.04.280(1)(a), the competitive bidding requirements for the City of Lacey are hereby waived and the City Manager is authorized to sign a contract with Pump Tech, Inc. for the purchase and installation of the Peerless 7-stage 12LD Pumps.

PASSED BY THE CITY COUNCIL OF THE CITY OF LACEY, WASHINGTON,
this ____ day of _____, 2019.

CITY COUNCIL

By _____
Mayor

Attest:

Approved as to form:

City Clerk

City Attorney