



## DATA SHEET Agenda Item No. 17.

**Meeting Date: June 1, 2017**

### **Agenda Item:**

Authorize the Executive Director to enter into an agreement with Smith Pump Company, Inc. for the pre-purchase of three pumps, three motors and two transformers for the Phase 1B Harpool treated water pump station now under design by the project's consulting engineers.

<b>Placement:</b> <input type="checkbox"/> Consent <input checked="" type="checkbox"/> Individual Consideration <input type="checkbox"/> Executive Session
<b>Vote:</b> <input type="checkbox"/> Non-Weighted <input checked="" type="checkbox"/> Weighted Capital
<b>Recommending Department: Engineering and Administration</b>

### **Background:**

The District's northeast area is experiencing significant rapid growth that is expected to continue for many more years. To meet the growing demands for treated water in this area, it is critical that improvements be made to the Harpool Plant to expand capacity. The highest initial priority is the treated water pump station to ensure sufficient capacity to keep up with customer demands.

In order to meet the growing demands as quickly as possible, a phased approach for pumping improvements has been reviewed with the Board and implementation is underway as follows:

- Phase 1A improvements are currently in progress, scheduled for completion this summer. These improvements include replacing two pumps, two motors and two variable frequency drives (VFDs).
- The proposed pumps are part of Phase 1B improvements to replace the remaining three smaller pumps, meter vault improvements, electrical improvements and piping modifications. These improvements will need to be completed by the summer of 2018. Pre-purchase of certain long-lead time items is recommended.
- Future Phase 2 improvements will include the construction of a second pump station that could be necessary as early as the summer of 2020. Based on current projections, these improvements should provide necessary pumping capacity through 2030.

Staff, along with its consultant Carollo Engineers, Inc. must move quickly in order to complete the Proposed Phase 1B improvements by the summer of 2018. After considering various alternatives, pre-purchasing the pumps, motors and transformers from Smith Pump Company, Inc. through an agreement under the Buyboard Cooperative was determined to be the most expedient strategy to procure the necessary equipment associated with the project. This equipment has an eight to ten-month lead time, so it will be on order while project plans and specifications are being prepared. The equipment purchased through Smith will be provided to the General Contractor that is awarded the construction project. The Proposed Phase 1B Improvements include:

- Removing three existing 3-mgd pumps and motor assemblies.
- Making necessary modifications to the electrical system for the new pumps, motors and VFDs.
- Installing three new vertical turbine pump and motor assemblies with a nominal pumping capacity of 9.5 mgd each.
- Implementing necessary meter vault improvements.

- Providing all start-up and calibration services.

The proposed purchase of three pumps and motors is \$1,084,000 and two electrical transformers are \$240,000.00 for a total purchase cost of \$1,358,000.

**Financial:**

The Regional Treated Water System CIP Budget includes sufficient funds for these improvements.

**Recommendation:**

Recommend Board authorize the Executive Director to enter into an agreement with Smith Pump Company, Inc. for the pre-purchase of three pumps, three motors and two transformers for the Phase 1B Harpool treated water pump station.

**Enclosures:** None.

Submitted By:



Jody Zabotio, Acting Director of Engineering & Construction

Date: May 26, 2017