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October 14, 2025

MEMORANDUM

**TO:** George Sidhu, P.E., General Manager  
**FROM:** Mike Fox  
**SUBJECT:** Execute a Purchase Agreement with PumpTech, LLC.

**Requested Action:**

Authorize the general manager to utilize the sole source agreement with PumpTech, LLC for the purchase of a new pump at the SRD to replace pump #1, in the amount of \$234,571.

**Background:**

The SRD's history with Peerless pumps began in 2009 with the installation of five pumps designed by Doug Davidson, a recognized expert in pump engineering. These pumps were specifically crafted to meet the SRD's operational needs, including precise first-stage bowl design, intake characteristics, Net Positive Suction Head Required (NPSHR), and submergence requirements. Over the years, PumpTech, LLC, under Davidson's leadership, has maintained and repaired these pumps, ensuring consistent performance and reliability. A sole source agreement was established for PumpTech to provide services for the upcoming work.

The Capital Improvement Program outlines the replacement/reconditioning of pumps 1, 2 and 4 over the next three years. For the upcoming replacement of Pump No. 1, we are planning to install a new Peerless Pump that matches the original specifications in performance, first-stage bowl design, intake characteristics, NPSHR, and submergence. However, to improve efficiency and reduce costs, we recommend two modifications. First, we suggest transitioning from custom-cast materials to standard cast-iron bowls, which are readily available off the shelf, eliminating long lead times. Second, we propose adjustments to the bearing at the bottom of the bowl and the clearance required for complete freshwater seal removal, enhancing maintenance efficiency. These changes result in a slightly less expensive unit that maintains performance while improving lead times and operational efficiency.

**Fiscal Impact:**

By continuing to partner with PumpTech LLC and utilizing Peerless pumps, the SRD benefits from Davidson's expertise, proven track record, and solution that balances performance, cost, and availability. This approach ensures the continued reliability of our water-pumping system while optimizing for efficiency and reducing downtime. The budget for this project in 2025 is \$300,000, as outlined on line 121; see the attached enclosure. No funds have been expended to date. This part of the project accounts for \$234,571 of the \$300,000, leaving a remaining balance of \$65,429.

Enclosures: 

1. [Budget Snapshot](#)
2. [PumpTech Quote](#)
3. [Pump Tech - WTP pumps Sole Source](#)