

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE: DECEMBER 13, 2021**

**SUBJECT: EMERGENCY REPAIR WORK OF RAUB 5R WELL – AN URGENT NECESSITY FOR PRESERVATION OF LIFE, HEALTH OR PROPERTY IN THE AMOUNT OF \$72,824.96 TO TRICOUNTY PUMP CO.**

**ISSUES:**

Waive the formal bidding requirements and approve the purchase for the emergency repair work of Raub 5R Well to Tri-County Pump Company in the amount of \$72,824.96.

**RECOMMENDATIONS:**

That the Board of Public Utilities:

1. Wave the formal bidding requirements; and
2. Approve the project and contract under Purchasing Resolution No. 23256 Section 702(a) for the emergency repair work of Raub 5R Well to Tri-County Pump Company in the amount of \$72,824.96.

**BACKGROUND:**

The Raub 5R Well was constructed in 2014 and is one of three potable water wells responsible for supplying the Raub Ion Exchange (IX) Treatment Plant. Total IX plant production capacity is made up from the three Raub wells and Raub 5R contribution is 36% of the IX plant's requirement. Without Raub 5R well production, the IX plant would be left without redundancy and failure of the other two would leave the IX plant inoperable. This water source cannot be produced from other areas because current demands require all production assets operate at 100% capacity during peak summer demands.

**DISCUSSION:**

On June 8, 2021, RPU's maintenance crew was called out to Raub 5R to inspect the well shut down. Upon inspection it was found that a ground fault on the motor was causing the well to be inoperable. Asset management contacted RPU's well contractor, Tri-County, to notify them to pull and inspect the pump assembly.

Upon inspection of the pump assembly, Tri-County Pump Company provided an inspection report

that indicated damage of the shaft and impeller resulting in high amperage. Tri County Pump Company provided an estimate to repair in the amount of \$72,824.96. This includes the replacement of the line shaft, retainers, the rebuild and cleaning of the column shaft and pump bowl assembly.

To meet the Raub Ion Exchange Plant's production requirement and meet system demands, RPU's General Manager gave the authorization on July 21, 2021 to repair the well in accordance with Purchasing Resolution No. 23256 Section 702.a for the emergency repair work of Raub 5R Well.

Purchasing Resolution No. 23256 Section 702.a states that an emergency shall be deemed to exist under any one or more of the following circumstances: a breakdown in machinery, facilities or essential services which requires the immediate Procurement of Goods, Services or Construction to protect the public health, welfare, safety, property, or personal/confidential information.

RPU's contractor Tri-County Pump Company was contracted to start the repairs under a Board Approved contract which provides funding of \$400,000 over the course of two (2) years. Board approval is required for any projects that exceed \$50,000.00. The total project cost to repair the well is \$72,824.96.

The Purchasing Manager concurs that this action is in compliance with Purchasing Resolution 23256.

### **STRATEGIC PLAN ALIGNMENT:**

This item contributes to the following strategic priorities and goals from the Envision Riverside 2025 Strategic Plan:

Strategic Priority 4, Environmental Stewardship:

- Goal 4.2: Sustainably manage local water resources to maximize reliability and advance water reuse to ensure safe, reliable, and affordable water to our community.

The item aligns with EACH of the five cross-cutting threads as follows:

1. **Community Trust** – Customers receive safe, reliable drinking water which enhances community trust and contributes to the greater public good.
2. **Equity** – The Raub 5R Well facility produces potable water to Riverside's water infrastructure ensuring safe and reliable water for all members of the community.
3. **Fiscal Responsibility** – Fiscal responsibility is achieved by utilizing a local water source at a lower cost compared to imported water.
4. **Innovation** – Through the collaborative partnership with a local contractor, we were able to provide a timely response in repairing the water well facility with no impact on Riverside's water service to the community.
5. **Sustainability & Resiliency** – Present needs are met utilizing an existing local water source in a sustainable matter from the prioritization of groundwater sources.

**FISCAL IMPACT:**

The total project cost was \$72,824.96 which is detailed below:

Item	Cost
Pull and Inspect	\$5,040
Pump Repair	\$59,385
Pump Install, adjustments, start up and testing	\$8,400
<b>Total</b>	<b>\$72,824.96</b>

Funds were expended from the Public Utilities Water Capital Account No. 6230100-470803.

Prepared by: Greg Snyder, Utilities Water Systems Operations Manager  
Approved by: Todd M. Corbin, Utilities General Manager  
Approved by: Kris Martinez, Interim Assistant City Manager  
Approved as to form: Phaedra A. Norton, City Attorney

Certifies availability  
of funds: Edward Enriquez, Chief Financial Officer/City Treasurer

Attachments:  
1. Project Site Map  
2. Presentation