



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: SEPTEMBER 9, 2024

SUBJECT: CONSTRUCTION OF THE FY2024/25 GROUNDWATER WELL REHABILITATION PROJECT – AWARD OF BID NO. RPU-8115 TO LAYNE CHRISTENSEN COMPANY OF REDLANDS, CALIFORNIA, IN THE AMOUNT OF \$1,471,672.68 – APPROVE WORK ORDER NO. 2404052 FOR THE GARNER B WELL IN THE AMOUNT OF \$803,502 AND APPROVE WORK ORDER NO. 2404054 FOR THE SCHEUER 2 WELL IN THE AMOUNT OF \$1,039,498 – TOTAL PROJECT COST OF \$1,843,000

ISSUES:

Consider the award of Bid No. RPU-8115 to Layne Christensen Company for the construction of the FY2024/25 Groundwater Well Rehabilitation Project in the amount of \$1,471,672.68; consider the approval of the capital expenditure for Work Order No. 2404052 for the Garner B Well in the amount of \$803,502 and Work Order No. 2404054 for the Scheuer 2 Well in the amount of \$1,039,498 for a total project cost in the amount of \$1,843,000.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Award a contract for the construction of the FY2024/25 Groundwater Well Rehabilitation Project – Bid No. RPU-8115 to the lowest responsive and responsible bidder, Layne Christensen Company of Redlands, California, in the amount of \$1,471,672.68;
2. Approve the capital expenditure for Work Order No. 2404052 in the amount of \$803,502 which includes all design, construction, construction support, contract administration, inspection and construction change order authority costs for the rehabilitation of the Garner B Well;
3. Approve the capital expenditure for Work Order No. 2404054 in the amount of \$1,039,498 which includes all design, construction, construction support, contract administration, inspection and construction change order authority costs for the rehabilitation of the Scheuer 2 Well; and
4. Authorize the City Manager, or designee, to execute construction agreements and any other documents necessary to effectuate the project described herein, as well as the ability to make minor non-substantive changes including changes to each of the work order amounts but not-to-exceed the cumulative total of \$1,843,000 and in accordance with all purchasing policies.

BACKGROUND:

The Riverside Public Utilities Department (RPU) operates and maintains 46 active groundwater wells located throughout Riverside, Colton and San Bernardino to supply drinking water to the City of Riverside. Over time, the water wells lose efficiency due to mineralization and scale accumulation in the perforations of the well casing, fluctuations in groundwater levels and loss of efficiency of mechanical equipment from normal wear and tear. As a result, groundwater wells and mechanical devices (such as pump and motor assemblies) require periodic maintenance to sustain the production and delivery of water to the City of Riverside.

DISCUSSION:

On June 21, 2013, the Board of Public Utilities (Board) approved a Professional Services Agreement with Geoscience Support Services, Inc. (Geoscience) to evaluate RPU’s groundwater wells based on construction technique, physical inspection, and operational characteristics and to identify and rank the rehabilitation needs for each well. Staff utilized recommendations from the report prepared by Geoscience along with current operational data and needs to select groundwater wells to undergo rehabilitation work during Fiscal Year 2024/25. The two wells decided on are Garner B and Scheuer 2.

The general scope of work for rehabilitating each well includes removal and inspection of the pumping equipment, repair or replacement of pumping components, as needed, adjustment of the pump depth, video surveys, mechanical and chemical cleaning, and well redevelopment work and testing.

Bid No. RPU-8115 was posted on the City's Online Bid System on July 24, 2024 and a prebid meeting was held on July 31, 2024. Notification of the bid posting was sent to 500 external vendors and 273 City of Riverside vendors. 39 vendors downloaded the bid documents. Bids were opened on August 13, 2024, and four construction contractors submitted bids and were found to be responsive and responsible.

The bids for Bid No. RPU-8115 are summarized in the table below:

Rank	Vendor	City Location	Bid Total
1.	Layne Christensen Company	Redlands, California	\$1,471,672.68
2.	Best Drilling and Pump, Inc.	Colton, California	\$1,578,239.00
3.	Nor-Cal Pump & Well Drilling	Yuba City, California	\$1,733,850.00
4.	General Pump Company	San Dimas, California	\$1,775,957.00

Engineer’s Estimate: \$1,685,000

The project/fiscal breakdown is as follows:

Project and Fiscal Breakdown					
Work Type:	Performed By:	W.O. No. 2404052 (Garner B):	W.O. No. 2404054 (Scheuer 2):	Total Project:	Percent of Total:
Design	Internal Staff	\$22,099.98	\$47,060.07	\$69,160.05	3.7%
Construction	Layne Christensen Company	\$642,183.65	\$829,489.03	\$1,471,672.68	79.9%
Construction Support	Internal Staff	\$15,000	\$15,000	\$30,000	1.6%
Engineering Support, Construction Management, and Inspection	Internal Staff	\$50,000	\$50,000	\$100,000	5.4%
Hydrogeologist Services	Outside Vendor, Informal Procurement	\$10,000	\$15,000	\$25,000	1.4%
Construction Contingencies	N/A	\$64,218.37	\$82,948.90	\$147,167.27	8.0%
Work Order Total:		\$803,502	\$1,039,498	\$1,843,000	100%
Reimbursements:	None				
Anticipated Start Date:	November 2024				
Anticipated Duration:	4 Months				

The table above identifies the parties that have performed and are expected to perform various portions of the project. Should there be a need to seek additional services using the formal procurement process, such items more than \$50,000 will be brought before the Board for consideration and action.

To track costs, staff requests that individual work orders be assigned more accurately to each well (the asset) and that the City Manager, or designee, approve adjustments to each individual work order to reflect actual costs, so long as the cumulative total does not exceed the total project cost.

Purchasing Resolution 24101, Section 508 Awards states, “Contracts procured through Formal Procurement shall be awarded by the Awarding Entity to the Lowest Responsive and Responsible Bidder.”

The Purchasing Manager concurs that the recommended actions follow Purchasing Resolution No. 24101.

STRATEGIC PLAN ALIGNMENT:

This item contributes to **Strategic Priority No. 6 Infrastructure, Mobility and Connectivity** and Goal No. 6.2 – Maintain, protect, and improve assets and infrastructure within the City’s built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

This item aligns with each of the five Cross-Cutting Threads as follows:

1. **Community Trust** – RPU took the initiative to rehabilitate these groundwater wells which will enhance the reliability of the overall water system, demonstrating RPU’s commitment to the customers it serves and building community trust.
2. **Equity** – RPU endeavors to provide safe and reliable water service to all its customers. Since RPU’s water system is an interconnected network, investments made to individual parts of the system improve the reliability of the overall system, thereby providing an equitable benefit to all customers.
3. **Fiscal Responsibility** – The lowest price for these construction services was ensured through a competitive bidding process.
4. **Innovation** – This project employs the latest technology and methods for rehabilitating groundwater wells, helping to ensure effective operation of these groundwater wells.
5. **Sustainability & Resiliency** – This project will help ensure RPU can provide reliable water service to its customers.

FISCAL IMPACT:

The total project estimate is \$1,843,000. Sufficient funds are available in the Public Utilities’ Facility Rehabilitation Account No. 6230100-470803.

Prepared by:	David A. Garcia, Utilities Interim General Manager
Approved by:	David A. Garcia, Utilities Interim General Manager
Certified as to availability of funds:	Kristie Thomas, Finance Director/Assistant Chief Financial Officer
Approved by:	Rafael Guzman, Assistant City Manager
Approved as to form:	Phaedra A. Norton, City Attorney

Attachments:

1. Project Site Map
2. Award Recommendation
3. Presentation