



SUPPLEMENTAL AGREEMENT WITH GEOSCIENCE SUPPORT SERVICES, INC. IN RESPONSE TO RFP NO. 2000 FOR THE BUNKER HILL WELL SITING AND REPLACEMENT STUDY IN AN AMOUNT NOT TO EXCEED \$130,714

Board of Public Utilities
April 27, 2020

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BACKGROUND

1. RPU utilizes 50 groundwater wells to produce potable water
2. 2/3rds of Riverside's supply originates from the Bunker Hill Basin
3. RPU's average well age is 55 years, with oldest being 97 years
4. RPU frequently evaluates its wells to ensure they are effectively producing groundwater to meet demand
5. Wells are considered for replacement when they are unable to meet their intended purpose and a need for a replacement well exists

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BACKGROUND

1. Factors to consider when drilling a replacement well include:
 - a. Anticipated pumping volume
 - b. Impacts to adjacent wells
 - c. Hazards & existing utilities
 - d. Water rights / Agreements
 - e. Geology
 - f. Formation depth
 - g. Anthropogenic impacts
 - h. Water quality
2. Understanding these factors is critical given well construction costs often exceed \$3 million dollars

SCOPE OF WORK

1. RPU staff have identified 8 well sites in anticipation of future replacement needs
2. Given the great expense to construct a well and the various factors that can jeopardize the success of a well, RPU staff is requesting the assistance of a hydrogeologic consultant to:
 - a. Confirm the viability of the proposed locations
 - b. Identify the most efficient & best water quality well design
 - c. Evaluate how the well would perform in conjunction with adjacent wells

DISCUSSION

1. Proposals were received by Geoscience Support Services, Inc. and by Water Systems Consulting, Inc. (WSC)
2. WSC's proposal was \$78,610 & Geoscience's proposal was \$130,714
3. Each consultant had similar billing rates; therefore, the discrepancy in cost proposals was due to the greater number of hours proposed by Geoscience
4. Upon review, staff agreed with the level of effort required to complete the scope of work



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DISCUSSION

1. Proposals were scored based on pricing (25%), experience (50%), and approach and methodology (25%)
2. Geoscience scored higher on the experience, approach, and methodology criteria, resulting in the greatest total score
3. Based on final scores, staff recommends Geoscience as the best consultant to perform the work



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RECOMMENDATIONS

That the Riverside Public Utilities Board:

1. Approve a Supplemental Agreement in response to RFP 2000 for the Bunker Hill Well Siting and Replacement Study with Geoscience Support Services, Inc., of La Verne, California in an amount not to exceed \$130,714; and
2. Authorize the City Manager, or designee, to execute a Supplemental Agreement with Geoscience Support Services, Inc., including making minor and non-substantive changes and to sign all documents and instruments necessary to complete the transactions.