

IWVGA Special Board Meeting

July 22, 2022

Authorize Award of Contract for the Imported Water Pipeline Alignment Study

- SGMA- Implementation Grant
 - Grant Award for \$7.6M
 - All work must be completed by April 30, 2025
 - The first grant task involves preparation of a pipeline alignment study (Study) that will evaluate potential imported water pipeline routes and recommend a final alignment for design
 - The Study will include:
 - Identify connection points for pipeline
 - Develop alternative pipeline alignments with pumping facilities and storage
 - Evaluate and compare alternatives considering
 - Pipeline length and topography
 - Environmental impacts and potential mitigation requirements
 - Right-of-Way and land acquisition requirements
 - Costs
 - Permitting issues
 - Recommend a preferred pipeline alignment

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Authorize Award of Contract for the Imported Water Pipeline Alignment Study

(cont.)

- Imported Water Pipeline Alignment Study RFP
 - May 11, 2022: The Board authorized advertising RFP
 - July 11, 2022: The Authority received proposals from Provost & Pritchard Consulting Group and TKE Engineering, Inc.
 - July 14, 2022: Staff review committee discussed and ranked proposals
- The committee agreed the proposal that best addressed the RFP was submitted by Provost & Pritchard Consulting Group
 - Proposed Budget: \$449,100
 - Anticipated Work Completion Date: January 2023
- Grant Funding Agreement Execution during Early – August
 - Written Notice to Proceed given to Contractor after Grant Execution

Staff Recommends that the Board authorize entering into an agreement with Provost & Pritchard Consulting Group for preparation of the Imported Water Pipeline Alignment Study.

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Authorize Release of Requests for Bids for Monitoring Well Drilling Services

Rose Valley Subflow Exploratory Well Installation

- Rose Valley Subflow area monitoring wells submitted by the Authority for Navy – Coso Royalty funding. Project was selected for funding.
- Project Description: Installation of shallow monitoring wells to collect data on the subsurface flow from the Rose Valley area into the basin
- Provide information to update the hydrogeological model needed to prepare the 5-year update of the GSP
- Original Cost Estimate = \$140,000
- Actual cost needed to complete the funding agreement

Staff Recommendations that the Board authorize the release of Request for Bids for Monitoring Wells Drilling Service.

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Authorize Water Resource Manager to Prepare Water Recycling Feasibility Study for United States Bureau of Reclamation Funding

Bureau of Reclamation Funding for Water Recycling Plant

- The Authority is looking for funding for the proposed water recycling plant (WRP)
- The WRP is necessary to provide advanced treatment to the water supplies coming from the treatment plant
- This plant will allow the Authority to treat this water to the standards that the State Water Resources Control Board requires to inject the water back into the aquifer for recharge
- The Authority is looking for potential funding sources for this project and has identified the Bureau of Reclamation's Title XVI Grant Program as a potential source of funding for the project
- The total estimated cost for planning activities is \$5.3 million

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Authorize Water Resource Manager to Prepare Water Recycling Feasibility Study for United States Bureau of Reclamation Funding

(cont.)

What Funding is Available Through the Program?

- Title XVI has a \$1 billion appropriation (passed in Congress in 2021) and has a 5-year time horizon
- The program has funding through Reclaim and Reuse Program as well as Drought Response Program
- Capitol Core has had an initial discussion with the US BOR staff and they have determined our initial eligibility to submit a feasibility study for consideration

What is Required to Apply?

- Submit a feasibility study and receive approvals of it
- Submit application for funding if feasibility study is approved (application notice is usually released in mid-March)

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**Authorize Water Resource Manager to Prepare Water Recycling Feasibility Study
for United States Bureau of Reclamation Funding**

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Title XVI Feasibility Study

- Title XVI Feasibility Study consists of the following:
 - Project Description and Study Area
 - Statement of Problem and Need
 - Water Recycling Opportunity
 - Description of Alternatives
 - Economic Analysis of the Project
 - Justification of the Recycling Project
 - Environmental Considerations and Effects (NEPA)
 - Legal and Institutional Requirements
 - Research Needs for the Bureau of Reclamation

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(cont.)

- The Board previously approved \$180,000 for the Recycled Water Program in the 2022 Annual Budget.
 - Under the 2022 Annual Budget, a Recycled Water Use Alternatives Analysis is being conducted.
 - Deep Injection of recycled water determined to be best alternative
 - Staff believes the 2022 Annual Budget for Recycled Water Program is sufficient to complete the final technical memorandum for the Alternatives Analysis and to prepare a Title XVI Feasibility Study for the WRP. Most of the evaluation performed for the Analysis may be used for the Feasibility Study.
- The Feasibility Study must be completed by the end of this year for the WRP to be considered for Title XVI funding in Fiscal Year 2023.
- If authorized to proceed, the Water Resource Manager will utilize Trussell Technologies to assist with advanced treatment details, research needs, and cost estimates.

Staff Recommends that the Board authorize the Water Resource Manager to proceed with the Title XVI Feasibility Study for the WRP.