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Title: AUTHORIZATION TO AMEND A PROFESSIONAL SERVICES AGREEMENT WITH BLACK AND VEATCH CORPORATION FOR PYRAMID PEAK WATER TREATMENT PLANT FACILITY ASSESSMENT
Staff Contact: Craig Johnson, P.E., Director, Water Services

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Attachments: 1. Agreement for Professional Services, 2. Pyramid Peak WaterTreatment Plant_attachment.pdf

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AUTHORIZATION TO AMEND A PROFESSIONAL SERVICES AGREEMENT WITH BLACK AND VEATCH CORPORATION FOR PYRAMID PEAK WATER TREATMENT PLANT FACILITY ASSESSMENT

Staff Contact: Craig Johnson, P.E., Director, Water Services

Purpose and Recommended Action

This is a request for City Council to authorize the City Manager to amend the existing Professional Services Agreement, C-8912 with Black and Veatch Corporation, for Phase II of the Pyramid Peak Water Treatment Plant improvement evaluation in an amount not to exceed \$697,416.

Background

The Pyramid Peak Water Treatment Plant (PPWTP) is jointly owned by the City of Glendale and the City of Peoria, with Peoria as a 23 percent equity owner. The plant, originally constructed in 1986, is currently in need of improvements due to aging infrastructure, changed regulatory requirements, and challenges from additional demand in both Peoria and Glendale. Peoria has asked for assistance in evaluating the plant for potential expansion.

Phase I for this project was approved for \$174,960 in May 2014 and it is near completion. Phase I consists of an initial evaluation of treatment processes and potential expansion. Based on this preliminary work, an additional evaluation of plant equipment and systems is recommended. Staff has also identified a need to address distribution system concerns and regulatory permitting updates in Phase II.

This next phase of the evaluation will include an in-depth facility assessment including treatment system condition assessment and recommendations for improvements. Phase II will also include an application for an Aquifer Protection Permit for the sludge lagoons and condition assessment of a portion of the 60-inch finished

water transmission pipeline. The total professional service fees for Phase II will be \$697,416. Total fees for both Phase I and Phase II are \$872,376.

Analysis

The PPWTP processes water from the Central Arizona Project (CAP) for Glendale and Peoria. Through an intergovernmental agreement, Glendale also processes and delivers CAP water to a portion of Phoenix through PPWTP. As with all water treatment facilities, there is periodic need to evaluate and rehabilitate current treatment systems to ensure that the infrastructure is in good working condition. Major improvements require a separate evaluation and design phase prior to construction.

This request is to complete the facility assessment begun in Phase I. The project was phased to allow for adjustments based on the results of the initial analysis. Once this assessment is complete, the project will move forward with the design and construction phase of any needed improvements. At that time, a request for approval will be brought forward to Council.

A Request for Proposal was issued in July 2013 by the Engineering Department to provide evaluation, design and construction administration services. Two (2) firms submitted qualifications and Black and Veatch Corp. was determined to be the most qualified for the project.

Previous Related Council Action

On May 13, 2014, Council approved a professional services agreement with Black and Veatch Corporation for process and expansion evaluations for the Pyramid Peak Water Treatment Plant.

Community Benefit/Public Involvement

This project will enable the City to ensure continuous supply of reliable high quality of water to residents and businesses in Glendale, Peoria, and Phoenix. This is in keeping with the mission of Water Services to provide customers with safe, reliable, and high quality water to ensure public health and the vitality of the community.

On December 18, 2012 the Ad Hoc Citizen Task Force on Water and Sewer completed its final report. One of the recommendations of the Task Force was to enhance regional collaboration by maintaining beneficial partnerships with respect to water resources. This project enhances collaboration in this area and will benefit the regional community.

Budget and Financial Impacts

The total cost for this phase is an amount not to exceed \$697,416. Peoria will reimburse Glendale in an amount up to \$160,405.

Funding is available in the Water Services FY2014-15 Capital Improvement Program. Future years funding for this project will be contingent on City Council approval of the budget.

Cost	Fund-Department-Account
\$697,416	2400-61043-551200, Pyramid Peak WTP Process Improvements

Capital Expense? Yes

Budgeted? Yes

Requesting Budget or Appropriation Transfer? No

If yes, where will the transfer be taken from?