



COUNCIL AGENDA MEMO

MEETING DATE/TYPE: **VOTING MEETING** **7-25-17**

DEPARTMENT: **Water Resources**

AGENDA ITEM: Approval of Amendment No. 1 to City Contract No. 2016-296 with Southwest Groundwater Consultants, Inc., in the estimated amount of \$298,356.00, for Permit Acquisition and Construction Oversight to implement the Monitoring Well Program within the Big Chino Sub-Basin Data Collection and Monitoring Plan.

FUNDING SOURCE: Water Fund

Approved By: Michael Lamar, City Manager

Item Summary

This item is to approve Amendment No. 1 to City Contract No. 2016-296A1 with Southwest Groundwater Consultants, Inc. (SWGC), for Phase 2 technical support activities necessary to implement the monitoring well program within the Big Chino Sub-Basin Data Collection and Monitoring Plan. Well installation (by separate well drilling contract), testing, and reporting will extend for an 18-24 month period (through calendar year 2018).

Agreement in Principle

In February 2010, the City entered into an Agreement in Principle (AIP) with the Town of Prescott Valley (PV), and the Salt River Project Agricultural Improvement & Power District and Salt River Valley Water Users' Association (SRP). Later in October 2012, the first of several comprehensive agreements outlined in the AIP, Comprehensive Agreement #1 (CA#1), was executed by the parties. CA#1 addresses ground and surface water monitoring, and groundwater flow modeling in the Big Chino Sub-Basin.

City Contract No. 2016-296

City Contract No. 2016-296, approved by Council on June 7, 2016, in the amount of \$104,588.00, was for assessment of existing wells and design of new wells for long-term data collection in accordance with the AIP and CA#1. Existing wells were investigated to determine suitability for long-term monitoring locations, resulting in identification of one (1) that can be used for hydrogeologic data collection, and preparation of specifications for seven (7) new wells.

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Amendment No. 1 to City Contract No. 2016-296A1

This amendment is for technical support services to advance the monitoring plan to the well construction phase, and initiation of data generation. The Phase 2 scope of work includes construction of five (5) new shallow monitor wells and two (2) deep wells, which will be accomplished by separate contract, with SWGC providing bid and construction phase coordination and oversight. The parties to CA#1, and Steering Committees for each of the monitoring and modeling programs consisting of their representatives as well as specialized technical consultants, meet regularly, and review all contract scopes, bids or proposals, and awards. On June 14, 2017, the CA#1 monitoring Steering Committee reached a consensus to recommend proceeding with the work identified by Amendment No. 1 to City Contract No. 2016-296A1.

Groundwater Flow Model and Relationship of Monitoring Plan

City Council approved an agreement for the Big Chino Groundwater Flow Model on February 28, 2017. The installation of monitor wells is the means to provide necessary hydrogeologic data in an area of the Big Chino sub-basin for which there is presently limited information. Data derived from wells along with other monitoring data within the basin is a requirement to inform the Big Chino Groundwater Flow Model.

Monitoring and Modeling in the Capital Improvement Program

Since Council approval to enter into CA#1, funding for the monitoring and modeling program has been paid yearly by the parties. In FY18, the project expenditures include drilling shallow and deep monitor wells, oversight of the well drilling and associated well data collection, ongoing geophysical data collection, commencement of water quality data collection, and on-going ephemeral streamflow data collection, see Attachment 3. As discussed, the data collection is imperative for model development as described in the Council-approved City Contract No. 2017-246 (Big Chino Sub-basin Groundwater Flow Model). Several key milestones of the overall project are presented below:

- Monitoring network completion – March 2018
Subsequent to the completion of the monitoring well network, data collection will continue with limited, if any, new monitoring sites.
- Groundwater Flow Model completion – May 2020
- Potential Big Chino Water Importation Project contract(s) for construction phase – FY 2023
Dependent upon the modeling results and subsequent discussions thereof, financial analyses, and regulatory and local approvals, including permitting.

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Financial Impact

Funding for this contract amendment in the estimated amount of \$298,356.00 has been budgeted and is available in the Water Fund [Comprehensive Agreement #1 Monitoring Fund] supported by financial contributions from Salt River Project (33%), the Town of Prescott Valley (31%), and City of Prescott (36%) which owns the Big Chino Water Ranch and has primary responsible for the Big Chino Water Importation Project.

Attachments

1. Project Scope and Fee
2. Location Map
3. CIP sheets for CA1 Monitoring and Modeling

Recommended Action: MOVE to approve Amendment No. 1 to City Contract No. 2016-296.