



COUNCIL AGENDA MEMO

MEETING DATE/TYPE: **VOTING MEETING** **10-11-16**

DEPARTMENT: **Water Resources**

AGENDA ITEM: Adoption of Resolution No. 4357-1566 approving a Joint Funding Agreement with the United States Geological Survey (USGS) for data collection within the Big Chino Sub-Basin (City Contract No. 2017-143)

FUNDING SOURCE: Water Fund

Approved By: Craig McConnell, City Manager

Item Summary

On September 19, 2012, Council approved Comprehensive Agreement No. 1 (CA1) with Salt River Project (SRP) and the Town of Prescott Valley, providing for implementation of an enhanced groundwater and surface water monitoring system generating data for a more refined (“nested”) groundwater model to be developed for the Big Chino Sub-basin and its connection to the Upper Verde River. Attached is the Council Agenda Memo for the September 19, 2012, meeting with additional background information.

A component of the monitoring outlined in CA1 is geochemistry data collection to further define groundwater recharge flowpaths. The parties to CA1 support the USGS proposal dated August 23, 2016, entitled, *Workplan to Collect Geochemical Data for an Improved Understanding of Recharge Location, Water Rock Interactions and Groundwater Residence Time in the Big Chino Sub-basin, Central Arizona*. This work improves and furthers the initial understandings gained from the Northern Arizona Regional Groundwater Flow Model.

The Joint Funding Agreement outlines a three (3) year project at a total cost of \$202,810.00. The first year will focus on site selection in concert with other existing data gathering networks (groundwater levels, gravity, surface water flows, etc.) and data collection will commence. In the last year, the accumulated data will be reported in a USGS publication. Early results from the geochemistry may assist with the placement of monitoring wells in the shallow aquifer units as outlined in the overall CA1, and will generate data for the groundwater flow modeling component of the CA1 project.

Financial Impact

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Prescott is the fiduciary agent for CA1. The monitoring fund balance as of June 30, 2016, contributed by the parties, was \$2,311,708.24. Funding is available for the work described by the Joint Funding Agreement in the amount of \$202,810.00 from the aforementioned source.

Attachments

1. Resolution No. 4357-1566
2. Joint Funding Agreement City Contract No. 2017-143

Recommended Action: MOVE to adopt Resolution No. 4357-1566.