

MEETING DATE/TYPES: VOTING SESSION 3-25-14

DEPARTMENT: City Manager

AGENDA ITEM: Adoption of Resolution No. 4221-1430 approving a joint funding agreement with the United States Geological Survey (USGS) for data collection within the Big Chino Sub-Basin (City Contract No. 2014-160)

Approved By:

Date:

City Manager: McConnell, Craig

Craig McConnell 3-18-14

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 geophysical and gravity data collection to further define aquifer structure and storage properties. The parties to CA1 support the USGS proposal dated January 16, 2014 for (1) the installation and monitoring of up to thirty (30) gravity sites for up to three (3) years; and (2) a one-time geophysical data collection event for three (3) distinct areas in the Big Chino Sub-basin. Both work items were refined with the understanding gained from the USGS Northern Arizona Regional Groundwater Flow Model.

This agreement outlines a three (3) year project at a total cost of \$565,400. The USGS included monies from their Cooperative Match Program in the amount of \$110,400. The first year will focus on equipment installation and data collection will commence immediately. Data collection continues in Project Year Two (2). In the final year, data will be compiled into a USGS publication. Early results from the geophysics will assist with the placement of monitoring wells in the shallow aquifer units as outlined in the overall CA1.

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Budget

Prescott is the fiduciary agent for CA1. The initial quarterly account balance of contributions made by the parties to CA1 was \$508,738.05 (4/12/13). Funding is available for Year One (1) work in the amount of \$238,000; allocated to provide \$27,000 for installation of aquifer monitoring stations, and \$211,000 to execute the geophysics along with overall project data collection.

Attachments

1. Resolution No. 4221-1430
2. Joint Funding Agreement
3. Workplan to Collect Geophysical Data for an Improved Hydrogeologic Conceptual Model of the Big Chino Sub-basin, Central Arizona (1/16/2014)
4. City Council Agenda Memo for Comprehensive Agreement No. 1 (9/19/12)
5. Exhibit 5 to Comprehensive Agreement No. 1 (City Contract No. 2013-058)

Recommended Action: MOVE to adopt Resolution No. 4221-1430.