



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CP14-116**

1. Agenda Item Number:
18
2. Council Meeting Date:
January 23, 2014

TO: MAYOR & CITY COUNCIL

3. Date Prepared: January 7, 2014

THROUGH: CITY MANAGER

4. Requesting Department: Municipal Utilities

5. SUBJECT: Project Agreement with Southwest Ground-water Consultants, Inc., for Reverse Osmosis Recharge Facility Project Modification Permit Updates.

6. RECOMMENDATION: Staff recommends City Council award a Project Agreement to Southwest Ground-water Consultants, Inc., for Reverse Osmosis Recharge Facility Project Modification Permit Updates, pursuant to Annual Contract No. EN1203-101, Project No. WW1408-101, in an amount not to exceed \$46,180.

7. BACKGROUND/DISCUSSION: In 1980, Arizona State Legislature passed the Groundwater Management Act (GMA) to reverse the trend of declining groundwater levels. The GMA regulates the use of groundwater to maintain a balance between groundwater withdrawn and recharged.

The City of Chandler and Intel have partnered to build, operate, and maintain the Ocotillo Brine Reduction Facility (OBRF), formerly known as the Reverse Osmosis Facility, located on Old Price Road. The OBRF treats industrial process water to drinking water standards. The City then delivers this water to a recharge facility located at the southwest corner of Gilbert and Ocotillo Roads. The water is recharged into the ground to assist with GMA compliance.

Intel funds operation and maintenance of the sites. The City is responsible for maintaining the recharge and storage permits.

The project scope of work provides an analysis and summary of historical groundwater recharge and water level data to update the hydrogeological report. This information is required so that an application can be submitted to the Arizona Department of Water Resources for approval to increase permitted recharge capacity and extend the duration of the permits an additional 20 years.

8. EVALUATION: This project is being performed under the Annual Hydrogeological Services for assessments, permitting assistance, well rehabilitation, design, and construction management services for the testing and drilling of wells, Contract No. EN1203-101, to Southwest Ground-water Consultants, Inc. The costs proposed for this project have been evaluated by staff and are determined to be reasonable. The contract completion time is 180 calendar days following Notice to Proceed.

9. FINANCIAL IMPLICATIONS:

Cost: \$46,180
Savings: N/A
Long Term Costs: N/A

Fund Source:

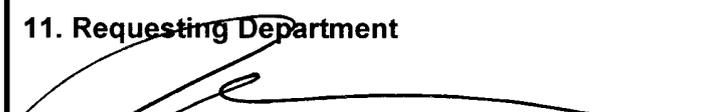
Account No.:	Fund Name:	Program Name:	CIP Funded:	Amount:
615.3910.6814.6WW189	Wastewater Operating	Effluent Reuse – ASR Wells	Yes	\$46,180

10. PROPOSED MOTION: Move City Council award a Project Agreement to Southwest Ground-water Consultants, Inc., for Reverse Osmosis Recharge Facility Project Modification Permit Updates, pursuant to Annual Contract No. EN1203-101, Project No. WW1408-101, in an amount not to exceed \$46,180.

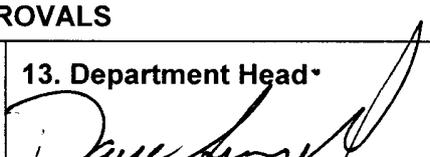
ATTACHMENTS: Project Agreement, Location Map

APPROVALS

11. Requesting Department


John Knudson, Utilities Engineering Manager

13. Department Head*


Dave Siegel, Municipal Utilities Director

12. Transportation & Development


Bob Fortier, Capital Projects Manager

14. City Manager


Rich Dlugas

REVERSE OSMOSIS RECHARGE FACILITY PROJECT NO. WW1408-101



MEMO NO. CP14-116

-  PROJECT SITE
-  INJECTION WELLS
-  TREATED WATER PIPELINE



**PROJECT AGREEMENT
PURSUANT TO ANNUAL CONTRACT NO. EN1203-101**

PROJECT AGREEMENT NO: WW1408-101

This PROJECT AGREEMENT is made this ____ day of _____, 2014, by and between the City of Chandler, a municipal corporation (hereinafter referred to as "CITY") and Southwest Ground-water Consultants, an Arizona corporation, (hereinafter referred to as "Annual Consultant") and is a project agreement entered into pursuant to Annual Contract No. EN1203-101.

CITY and Southwest Ground-water Consultants, in consideration of the mutual covenants herein set forth, agree as follows:

ARTICLE 1 - DESCRIPTION OF WORK:

This project is RO Recharge Facility Project Modification Permit Updates, Project Number WW1408-101. The scope of work consists of modifications to permits for the RO Recharge Facility, all as more particularly set forth in Exhibit A attached hereto and incorporated herein by reference.

The Annual Consultant shall not accept any change of scope, or change in contract provisions, unless issued in writing, as a contract amendment and signed by the Contract Administrator.

ARTICLE 2 - CONTRACT PRICE:

CITY shall pay Annual Consultant for completion of the Work in accordance with the Contract Documents a fee not to exceed Forty Six Thousand One Hundred Eighty Dollars (\$46,180) determined and payable as set forth in Annual Contract EN1203-101 and Exhibit B attached hereto and made a part hereof by reference.

ARTICLE 3 - CONTRACT TIME:

The contract time is sixty calendar days and Annual Consultant agrees to complete all work within Sixty (60) calendar days of the date CITY issues a Notice to Proceed.

ARTICLE 4 – GENERAL:

This Project Agreement is entered into pursuant to Annual Contract No. EN1203-101 and the terms and conditions contained therein are incorporated herein by reference as if set forth in full.

IN WITNESS WHEREOF, the parties hereto have executed this Project Agreement on the day and year first written above.

This Project Agreement will be effective on this _____ day of _____, 2014.

CITY OF CHANDLER

FOR THE ANNUAL:

MAYOR DATE:

By: _____
Title: President

ADDRESS FOR NOTICE
City of Chandler
P.O. Box 4008, Mail Stop 407
Chandler, AZ 85244-4008
480-782-3307

ADDRESS FOR NOTICE
Mr. Bill Greenslade
Southwest Ground-water Consultants
3033 N. 44th St., Ste. 120
Phoenix, AZ 85018

APPROVED AS TO FORM:

Phone: 602-955-5547
Fax: 602-955-7585

City Attorney By: [Signature]
ATTEST:

City Clerk

EXHIBIT A SCOPE OF WORK

ANNUAL CONSULTANT shall perform the following tasks:

Task 1 –Pre-Application Meeting

Annual Consultant will review existing permits and ADWR files, prepare materials for presentation and attend a pre-application meeting with ADWR. Work will include:

- review of existing permits, including previous modeling and ADWR permit files,
- compilation of operational recharge and monitor water level data,
- analysis of historic water level change due to recharge,
- develop approach to mounding analysis and determination of AOI,
- presentation of analytical approach for ADWR Pre-Application Meeting,
- attend Pre-Application Meeting, and
- preparation of Minutes of Meeting.

Task 2 – Prepare and Submit applications to Modify the USF and WS Permits

Annual Consultant will analyze operational recharge and water level data for the RO Recharge Facility and the implement the analytical approach develop in Task 1. Work will include computer modeling using the ADWR SRV Ground-water flow model and documentation of the actual and predicted water level response to recharge. The Hydrology Report will include the Hydrologic Feasibility, Unreasonable Harm and Area of Impact (AOI) analyses as required by the USF Application Guide (2011).

A draft Hydrology Report will be submitted to the City for review and comment. Following review, Annual Consultant will make any agreed upon changes.

Annual Consultant will prepare and submit applications to ADWR to modify the USF and WS permits incorporating the approved Hydrology Report.

Task 3 – Respond to ADWR Comments

Annual Consultant will assist the City in responding to verbal or written questions and comments from ADWR and ADEQ during their review of the applications and drafting of the permits. It is impossible to determine with certainty the number and type of questions that may be asked, Annual Consultant has included hours in the cost estimate based on recent experience on other projects. We have also included hours to respond to up to two (2) I & I letters, if necessary. If additional hours and costs are needed to respond to agency comments, Annual Consultant will prepare an amendment to the scope and costs presented below.

**EXHIBIT B
FEE SCHEDULE**

ANNUAL CONSULTANT shall provide all services as described in Exhibit A for an amount not to exceed \$46,180.

PERSONNEL	RATE (\$/HR)	TASK 1		TASK 2		TASK 3		TOTAL (\$)
		Hours	Cost (\$)	Hours	Cost (\$)	Hours	Cost (\$)	
Principal	160	20	\$3,200	20	\$3,200	20	\$3,200	\$9,600
Project Professional	110	40	\$4,400	100	\$11,000	60	\$6,600	\$22,000
Staff Professional	85	20	\$1,700	70	\$5,950	40	\$3,400	\$11,050
Other (1)	0	0	\$180	0	\$3,180		\$110	\$3,470
Mileage	1.5	20	\$30	20	\$30	0	\$0	\$60
TOTAL		80	\$9,510	190	\$23,360	120	\$13,310	\$46,180

(1) Includes initial application fees (\$3,000)