



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CP14-179**

1. Agenda Item Number:
25
2. Council Meeting Date:
May 8, 2014

TO: MAYOR & CITY COUNCIL

3. Date Prepared: April 22, 2014

THROUGH: CITY MANAGER

4. Requesting Department: Municipal Utilities

5. SUBJECT: Project Agreement with Southwest Ground-water Consultants for Chandler Water Reclamation Campus (CWRC) Recharge Permit Modifications.

6. RECOMMENDATION: Staff recommends City Council award a Project Agreement to Southwest Ground-water Consultants for Chandler Water Reclamation Campus (CWRC) Recharge Permit Modifications, pursuant to Annual Contract No. EN1203-101, Project No. WW1416-101, in an amount not to exceed \$136,160.

7. BACKGROUND/DISCUSSION: The CWRC is comprised of the existing Ocotillo Water Reclamation Facility, Ocotillo-Airport Water Reclamation Facility Lift Station, Ocotillo Aquifer Storage Recovery Facility, and Ocotillo Brine Reduction Facility. The CWRC is located on the southeast corner of Old Price and Queen Creek Roads.

Southwest Ground-water Consultants has been under contract to evaluate historic groundwater recharge capacity and water quality. Based on preliminary results, it is estimated that more reclaimed water can be recharged in conjunction with the proposed expansion of the Ocotillo Recharge Facility. Staff had preliminary meetings with the Arizona Department of Water Resources (ADWR) and the Arizona Department of Environmental Quality (ADEQ) regarding permit amendments to increase recharge capacity.

The project scope of work consists of hydrogeologic and permitting support to the City in the preparation and submission of Underground Storage Facility and Water Storage permits to ADWR, and an Aquifer Protection Permit to ADEQ. In addition, the consultant will also 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.

8. EVALUATION: This project is being performed under the Annual Hydrogeological Services Contract, No. EN1203-101, to Southwest Ground-water Consultants. The costs proposed for this project have been evaluated by staff and are determined to be reasonable. The contract completion time is 360 calendar days following Notice to Proceed.

9. FINANCIAL IMPLICATIONS:

Cost: \$136,160
Savings: N/A
Long Term Costs: N/A
Fund Source:

| <u>Account No.:</u> | <u>Fund Name:</u> | <u>Program Name:</u> | <u>CIP Funded:</u> | <u>Amount:</u> |
|----------------------|-------------------|--------------------------------------|--------------------|----------------|
| 614.3910.5875.6WW022 | Wastewater SDF | Water Reclamation Facility Expansion | Yes | \$136,160 |

10. PROPOSED MOTION: Move City Council award a Project Agreement to Southwest Ground-water Consultants, for Chandler Water Reclamation Campus (CRWC) Recharge Permit Modifications, pursuant to Annual Contract No. EN1203-101, Project No. WW1416-101, in an amount not to exceed \$136,160.

ATTACHMENTS: Project Agreement, Location Map

APPROVALS

11. Requesting Department


John Knudson, Utilities Engineering Manager

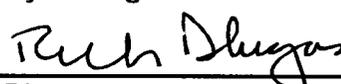
13. Department Head


Dave Siegel, Municipal Utilities Director

12. Transportation & Development


Bob Fortier, Capital Projects Manager

14. City Manager


Rich Dlugas

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

PROJECT AGREEMENT NO: WW1416-101

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 Chandler Water Reclamation Campus Recharge Permit Modifications, Project Number WW1416-101. The scope of work consists of hydrogeologic and permitting support to the City in the preparation and submission of Arizona Department of Water Resources (ADWR) Underground Storage Facility (USF) and Water Storage (WS) permits and an Aquifer Protection Permit (APP) to the Arizona Department of Environmental Quality (ADEQ) for the proposed expansion of the Ocotillo Recharge Facility (ORF) hydrogeologic and permitting support for USF, WS and APP permits, 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 One Hundred Thirty Six Thousand One Hundred Sixty Dollars (\$136,160) 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 Three Hundred Sixty calendar days and Annual Consultant agrees to complete all work within Three Hundred Sixty (360) 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.

EXHIBIT A SCOPE OF WORK

Annual Consultant shall provide the following services:

TASK 1 – KICK-OFF MEETING

Annual Consultant will schedule a kick-off meeting with the City and the Engineer to review project purpose, scope and schedule. Communication protocols will be established and key milestones identified.

TASK 2 – PREPARATION OF USF AND WS PERMIT APPLICATIONS

Annual Consultant will prepare the hydrologic data and analyses necessary to support an application to modify the USF and WS permits. Work will include the documentation of analytical studies of ASR well recharge rates and water level response. In addition the location of monitor wells will be evaluated and selected to maximize the annual recharge capacity of the facility. Annual Consultant will utilize and adapt the ADWR SRV Groundwater Flow Model to conduct and document the Hydrologic Feasibility, Unreasonable Harm and Area of Impact (AOI) analyses required by the *USF Application Guide (May 2013)*.

Annual Consultant's subcontractor will provide engineering and cost data and prepare the permit applications. Draft applications will be submitted to the City for review and comment. Following review, Annual Consultant will make any agreed upon changes. Annual Consultant will coordinate obtaining necessary City signatures, prepare checks for initial permit fees and deliver the permit applications to ADWR.

TASK 3 – PREPARATION OF APP APPLICATION

Annual Consultant will prepare hydrologic study report to support the amendment to the current APP. Work will include the documentation of injection rates and water level response to recharge. Annual Consultant will conduct and document the Discharge Impact Area (DIA) analysis required for the increased recharge volume utilizing the ADWR SRV Groundwater flow Model.

The location and construction of water quality monitor wells will be evaluated and identified. It is unclear if a monitor well will have to be installed prior to the submission of the APP permit application; however, we have included the cost of installation and testing of one (1) new monitor well and will evaluate the need to have it in place prior to submission of the permit application.

Annual Consultant's subcontractor will provide engineering and cost data and prepare the permit application to amend the APP. ~~A draft application will be submitted to the City for review and comment.~~ Following review, Annual Consultant will make any agreed upon changes. Annual Consultant will coordinate obtaining necessary City signatures, prepare the check for initial permit fee and deliver the permit applications to ADEQ.

TASK 4 – RESPOND TO AGENCY QUESTIONS AND 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. 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 describe in Exhibit A for a cost not to exceed \$136,160.00, and according to the rates as seen below.

| TASK | HOURS | COST |
|---|--------------|------------------|
| Task 1 - Kick Off Meeting | 24 | \$3,190 |
| Task 2 - Prepare USF and WS Permit Applications (1) | 296 | \$34,900 |
| Task 3 - Prepare APP Permit Application (2) | 288 | \$80,500 |
| Task 4 - Respond to Agency Questions | 140 | \$17,570 |
| Total | 424 | \$136,160 |

- (1) Includes Wilson fee for Tasks 1 and 2 (\$19,290).
- (2) Includes Wilson fee for Tasks 1 and 3 (\$20,590), and installation and testing of one (1) monitor well (\$44,000).

Agency fees for submission and review of the applications are not included; these costs will be billed directly to the City.



CHANDLER WATER RECLAMATION CAMPUS RECHARGE PERMIT MODIFICATIONS PROJECT NO. WW1416-101



MEMO NO. CP14-179



PROJECT SITE

