



PRE-SUBMITTAL MEETING

CITY OF PHOENIX
Water Services Department



WATER PRODUCTION WELLS 311, 319, AND 320
ENGINEERING SERVICES

PROJECT WS85010054 AND WS85010045
PROCUREPHX PRODUCT CATEGORY CODE: 925000000
RFx Number: 6000001745

JANUARY 27, 2025



WELCOME AND
INTRODUCTIONS

Heather Roye, Contracts Specialist II
Point of Contact for Submittals and RFQ Questions
Office of the City Engineer
heather.roye@phoenix.gov (602) 261-8894

Joshua Smith,
Civil Engineer III Team Leader, PE
Water Services Department

AGENDA

Meeting Overview

Scope of Work/Services

SOQ Evaluation Criteria / RFQ
Overview

Submittal Requirements (Page Count,
Disqualifications)

Important Dates: Selection Schedule



MEETING OVERVIEW

To be added to the Attendance Sheet, send an email by 4:00 PM today to heather.roye@phoenix.gov with the following:

Name, Firm Name, Contact Phone Number and Email Address

Sign-in sheet and PowerPoint will be posted on City of Phoenix's ProcurePHX system (RFx: 6000001745):

<https://eprocurement.phoenix.gov/irj/portal>

(or)

<https://solicitations.phoenix.gov/>

It is your responsibility as a RFQ holder to determine, prior to submittal, if any Notifications have been issued.

This is your **ONLY** opportunity to discuss this solicitation with City staff.

PROJECT DESCRIPTION

Provide engineering services for new groundwater production Wells 311, 319, and 320. Services will include design and possible construction administration and inspection services (CA&I) for Wells 311 and 320, and CA&I for the Well 6A-W319 project, which includes booster pump station (BPS) 8A-B3 and pressure reducing valve station (PRVS) 6A-R2.

The City plans to finish development on three well site projects. All three of the well sites are on existing Water Services Department properties, with each new well either replacing or supplementing an existing well that is located on-site

The goal of these wells is to augment the City's potable water resources during times of long-term water shortages, emergency outage and meeting potable water distribution system demand balancing.

PROJECT DESCRIPTION

All three well sites will include, but shall not be limited to, the following scope:

- New groundwater production well, including all new well equipment (pump, motor, column, etc.)
- Arsenic Treatment Facility
- Equalization basin, with pump-to-waste and sewer discharge pumps
- All new mechanical equipment for the well, such as exposed and buried piping, valves, actuators, etc.
- New electrical equipment and all new instrumentation
- Site egress, grading, and drainage improvements

PROJECT DESCRIPTION

Well Site 311

- Potential rehabilitation of the existing Well 7A-W290 on-site, if required
- Rehabilitation and/or replacement of the existing on-site Arsenic Treatment Facility
- Improvements to the existing on-site chlorination system
- Improvements to the existing on-site and off-site infrastructure as required to effectively operate Well 311



29402 N 44th St, Cave Creek, AZ 85331

PROJECT DESCRIPTION

Well Site 319

- This will be for CA&I Services only
- The new 15 million gallon per day (MGD) firm capacity (20 MGD total) BPS 8A-B3
- Rehabilitation of the existing 6A-R2 PRVS with increased capacity (20 MGD)
- All new mechanical equipment for the well, BPS, PRVS, such as exposed and buried piping, valves, actuators, etc.
- New electrical building
- Sound and visual screening walls



4804 E Ranger Dr, Phoenix, AZ 85054

PROJECT DESCRIPTION

Well Site 320

- Well design and drilling support services
- Potential rehabilitation of the existing Well 4A-W261 on-site, if required
- Rehabilitation of the associated existing on-site infrastructure
- Improvements to all associated existing on-site and off-site infrastructure as required to effectively operate Well 320



20805 N 56th St, Phoenix, AZ 85054

SCOPE OF WORK

Well Design and Drilling

The well design and drilling support services scope shall include, but not be limited to:

- ❖ Prepare and assist the City in a 5% Design Concept Report (DCR) for the siting of the wells, with a monitoring well if required, and required ancillary infrastructure (electrical, mechanical, treatment system(s), temporary and permanent civil site improvements, etc.).
- ❖ Prepare and submit Well Impact Analysis Report(s)
- ❖ Prepare and submit design specifications for new well drilling and installation.
- ❖ Prepare and submit design specifications for inspection, cleaning, and rehabilitation of existing wells

SCOPE OF WORK

Well Design and Drilling (Continued)

- ❖ Professional services during construction shall include, but not be limited to:
 - ❖ Well installation and testing report, documenting all activities related to the well drilling, construction, development, and testing.
 - ❖ Lithologic and geophysical logging, including spinner log analysis.
 - ❖ Zonal and depth-specific sampling.
 - ❖ Falling head tests.
 - ❖ Well screen slot size and filter pack design.
 - ❖ Evaluating and inspection of construction materials (casing, filter pack, annular seals, etc.)
 - ❖ Air-lift development
 - ❖ Pump and surge development
 - ❖ Aquifer testing
 - ❖ Well video inspection and analysis
 - ❖ Recommendations for corrosion mitigation

SCOPE OF WORK

Well Infrastructure Design and Construction Administration and Inspection Services

The design scope shall include, but not be limited to:

- ❖ Prepare and submit design deliverables for review and approval, including a Basis of Design Report (BDR), drawings, and technical specifications. Design documentation shall be submitted at 60%, 90%, and 100%.
- ❖ At a minimum, the detailed design shall incorporate the following for new production wells and include any of the following as required for rehabilitated wells:
 - ✓ Production well with sounding tubes
 - ✓ Well casing and screen
 - ✓ Well pump and motor
 - ✓ Water flush or oil lubrication systems
 - ✓ Mechanical equipment ancillary to the well
 - ✓ Piping
 - ✓ Valves (control/pressure sustaining valves and isolation)
 - ✓ Well-to-waste system

SCOPE OF WORK

Well Infrastructure Design and Construction Administration and Inspection Services

- ❖ Electrical, Instrumentation, and Control equipment
 - ✓ Electrical gear, including new electrical service feed to the site(s)
 - ✓ Gear shall be designed for Variable Frequency Drives (VFDs)
 - ✓ Emergency backup generator, sized for full demand load
 - ✓ Instrumentation for well operation, including flow meters, pressure transducers, water quality analyzers, and applicable connections for the Supervisory Control and Data Acquisition (SCADA) system to control and automate the well
 - ✓ Programming of all instrumentation and controls
- ❖ Process equipment
 - ✓ Arsenic and/or nitrate treatment systems
 - ✓ Chlorination system
 - ✓ pH adjustment, if required
 - ✓ De-chlorination of water flush system, where recommended

SCOPE OF WORK

Well Infrastructure Design and Construction Administration and Inspection Services

- ❖ Well site development
 - ✓ Piping from the well discharge to a common distribution or transmission main or other watermain per design
 - ✓ Grading and drainage, including landscaping, perimeter security wall and entrance gates, as applicable
 - ✓ Potential half-street improvements, as applicable

Prepare and submit to the City an Opinion of Probable Construction Cost (OPCC) estimate for each deliverable



QUESTIONS

FOR THE PROJECT MANAGER

SOQ EVALUATION CRITERIA

The selection of the Consultant will be based on the following qualifications:

- | | |
|--|-----------------|
| A. Design Experience of the Prime Firm | (max. 150 pts) |
| B. Construction Administration and Inspection Experience of the Prime Firm | (max. 150 pts) |
| C. Design Experience of the Key Personnel and Subconsultants | (max. 125 pts) |
| D. CA&I Experience of Key Personnel and Subconsultants | (max. 125 pts) |
| E. Project Understanding and Approach | (max. 300 pts) |
| F. Staffing Information for Key Personnel | (max. 150 pts) |
| G. Reference Check | (max. 21 pts.*) |

*These points are in addition to the 1,000 points for the SOQ.

Maximum number of points is 1,000

Provide responses in the order listed in the RFQ

Be complete, be concise

SUBMITTAL REQUIREMENTS

MAXIMUM pages permitted is
10 pages

The following will NOT be counted
in the max page count:

- Front and back covers
- Information Sheet
- Table of Contents

Grounds for disqualification:

- Failure to email electronically by the due date and time
- Submit under the different project
- Violating “Contact with City Employees” policy

Submit One (1) page Information Sheet: project title/number; RFx number; firm’s legal name, address, phone number, vendor number; project contact person name, title, email address and signature. Do not include any additional information.

Paper Size 8½” x 11”; Font size no less than 10 pt. May submit portrait or landscape.

Each page containing resumes, evaluation criteria, and additional content will be counted toward the maximum page limit.

Pages that have project photos, charts and/or graphs will be counted toward the maximum page limit noted above.

SELECTION PROCESS

Each SOQ will be evaluated according to the evaluation criteria in the RFQ.



Up to 1 consultant will be selected.



A contract will be executed upon completion of negotiations of contract terms and City Council approval.

Event:

Date:

Pre-submittal meeting

January 27, 2025

SOQs Due

February 7, 2025

Selection Notification

End of February

Scope of Work Meeting

Early March 2025

IMPORTANT DATES: SELECTION SCHEDULE

QUESTIONS

Thank you for attending

Reminder for those of you on-line, please email your information by 4 PM today, so that I can add your name to the sign-in sheet.