

## **REQUEST FOR QUALIFICATIONS**

# ADVANCED WATER PURIFICATION FEASIBILITY STUDY PROFESSIONAL SERVICES WS85700103 AND WS90700059

PROCUREPHX PRODUCT CATEGORY CODE 925000000 RFx 6000001582

## REQUEST FOR QUALIFICATIONS

The City of Phoenix is seeking up to three qualified consultant teams to provide Professional Services for the following efforts:

- Package 1: Advanced Water Purification Permitting Strategy, Source Water Characterization, and Pilot/Demonstration Facility Planning
- Package 2: 91st Avenue Advanced Water Purification Facility Feasibility Study
- Package 3: Hydraulic and Water Quality Modeling and Interconnect Evaluation

#### **SECTION I – PROJECT DESCRIPTION**

The City of Phoenix Water Services Department is proactively searching for sustainable measures to secure safe, reliable, and long-term drinking water supplies for its customers. To this end, the City conducted a preliminary evaluation of several Advanced Water Purification Facility (AWPF) alternatives that incorporate the City's existing and planned water and wastewater infrastructure with the anticipation that the Arizona Department of Environmental Quality (ADEQ) will adopt rules to implement an AWP program by December 31, 2024. One component of the preliminary evaluation included implementing advanced water treatment at the 91st Avenue Wastewater Treatment Plant (WWTP).

The proposed AWPF would be located adjacent to the 91st Avenue WWTP. The 91st Avenue WWTP is located on a 560-acre site just east of 91st Avenue, south of Broadway Road and north of Southern Avenue. The plant is owned by the Sub-Regional Operating Group (SROG) and operated by the City of Phoenix. The 91st Avenue WWTP has the capacity to treat 230 million gallons per day (MGD).

The proposed AWPF would improve the ability to meet long-term water supply needs by strategically managing available water resources and alleviate stress on freshwater sources and natural systems. In addition to treating City of Phoenix flows, the facility could treat flows from other Valley partners and provide regional drought resiliency. Advanced purification processes are anticipated to include ozone, biologically activated carbon, side-stream reverse osmosis, granular activated carbon, and ultraviolet advanced oxidation process. Brine management is anticipated to be handled through a partnership with the Arizona Public Service (APS), but provisions for onsite management should be made.

The City will select which consultant will be awarded which package based on the Statement of Qualifications. The highest ranked firm will not necessarily be awarded package 1 but will be awarded the package that most aligns with the firm's qualifications. The selected consultants will work as a team with other design consultants and City staff to ensure an efficient, consistent, and seamless approach to make this a successful Program.

The "Draft 91st Avenue Advanced Water Purification Facility Pre-Feasibility Study" is available to review. The report is available on the 8th floor of City Hall on a "first come first serve" basis.

The Program Improvements being selected by this advertisement:

- Package 1: Advanced Water Purification Permitting Strategy, Source Water Characterization, and Pilot/Demonstration Facility Planning
- Package 2: 91st Avenue Advanced Water Purification Facility Feasibility Study
- Package 3: Hydraulic and Water Quality Modeling and Interconnect Evaluation

#### SECTION II - SCOPE OF WORK

The project scope may include, but is not limited, to the following:

- Hold progress meetings and workshops as needed to complete the work.
- Attend other project related progress meetings as needed.
- Actively coordinate and communicate with City staff for all related activities.
- Coordination with other City departments, municipalities, regulators, or other jurisdictions as needed.
- Prepare a draft report for review.
- Present the recommendations made in the draft report.
- Prepare a final report.

- Present the recommendations made in the final report.
- Prepare a final executive summary.
- Assist with the City's public outreach effort as needed.
- Package 1
  - Develop a Permitting Strategy
    - Conduct ongoing coordination with Arizona Department of Environmental Quality (ADEQ) on the advanced water purification rule requirements
    - Develop a Permitting Assistance Plan (PAP), including local, state, and federal permitting requirements. The PAP would include the following:
      - Anticipated environmental, regulatory, and administrative permits
      - Method for permit application preparation and submittal
      - Supporting information and fees
  - Develop and help implement Source Water Characterization Strategy
    - Confirm ADEQ source water characterization requirements
    - Develop and implement a Source Water Characterization Plan
    - Provide testing services, if needed
  - o Develop a Pilot/Demonstration and Education Facility Plan
    - Meet with ADEQ to define pilot- or demonstration-scale testing requirements and achieve conditional approval of the potable reuse concept
    - Develop a demonstration test plan that meets the demonstration requirements and identifies monitoring and sampling requirements
    - Develop a demonstration and education facility concept with facility renderings
    - Coordinate with mobile demonstration facility design, if needed
- Package 2
  - Develop a 91st Avenue AWPF Feasibility Study
    - Further refine partner source water commitments/conveyance and purified water delivery/exchange assumptions
    - Confirm/refine AWPF design criteria and layout
    - Develop an Association for the Advancement of Cost Engineering Class 4 cost model
      - Projected cash flows per project phase and per partner
    - Develop Title XVI Feasibility Study compliant with the requirements for the Large-Scale Water Recycling Program
    - Coordinate with US Bureau of Reclamation as needed
- Package 3
  - Develop Hydraulic and Water Quality Modeling and Interconnect Evaluation to support the 91st Avenue AWPF
    - Evaluate and provide input on future operating scenarios
    - Confirm partner interconnect locations, conditions, and need for new infrastructure
    - Develop blend scenarios and perform hydraulic modeling analysis to simulate distribution system conditions
    - Using historical City water quality data and projected AWPF purified water quality characteristics, perform a desktop water quality blend analysis for corrosion/stability and disinfection byproducts
    - Provide recommendations to provide stable water quality meeting regulatory requirements and City goals in the distribution system, including treatment procedure modifications and new treatment chemicals/processes that will be integrated with existing City facilities, if needed
    - Perform transient/surge modeling so that potential transients can be mitigated operationally or with surge tanks or other surge mitigation strategies
    - Assist City with developing an implementation plan to bring online the future AWPF purified water and an operations plan for various future scenarios

#### Additional services that may be included:

- Assistance in the development Governance Structure(s) and Partnerships
  - Meet with partners to clarify questions, concerns, and decision-making timelines

- Develop materials for ongoing discussions:
  - Fact sheets with summary information for decision-makers
  - Anticipated cost scenarios and funding opportunities to reduce partner costs
  - Approach for managing cost escalation and project risks
  - Example agreement or key terms of proposed agreement
  - Key dates by which partner agreements are required
  - Coordinate with Arizona Public Service regarding brine management
- Funding Strategy and Applications

Use of UNIFIER, an Application Service Provider (ASP) web-based project management database, may be required. The following information provides a guideline for utilization. Any questions related to the requirements of UNIFIER should be directed to the Project Manager.

- The Consultant will be required to maintain all project records in electronic format.
- The City provides an ASP web-based project management database which the Consultant will be required to utilize in the fulfillment of the contract requirements.
- The Consultant shall provide a computerized networked office platform with broadband internet connectivity.
- UNIFIER training will be provided through the City of Phoenix to firms under contract.

#### SECTION III - PRE-SUBMITTAL MEETING

A pre-submittal meeting will be held at 11:00 a.m., Phoenix time on Tuesday, April 9, 2024, at 200 W. Washington Street, City Hall Conference Room PCH 5 West **AND** via Teams. At this meeting, City staff will discuss the scope of work, general project requirements, and respond to questions from the attendees. It is strongly recommended that interested firms attend the pre-submittal meeting. Inquiries regarding the project scope outside of this pre-submittal meeting must be directed to the Contracts Specialist.

#### PRE-SUBMITTAL MEETING TEAMS INFORMATION:

Join on your computer, mobile app or room device Click here to join the meeting

Meeting ID: 284 850 657 940

Passcode: 9fmcxf

#### **SECTION IV - STATEMENT OF QUALIFICATIONS EVALUATION CRITERIA**

Firms will be selected through a qualifications-based selection process based on the criteria below. Subcriteria are listed in order of importance in relation to project services. City of Phoenix project experience is not required.

#### A. Design Experience of the Prime Firm (maximum 150 points)

Describe the experience and qualifications of the prime firm in providing design services for similar projects. Identify projects the submitting firm has completed. For each project listed, provide:

- 1. Description of the project including scope and project owner
- 2. Role of the firm and explain how this relates to the services being solicited
- 3. Project's original contract value, final contract value, and reason for variance
- 4. Project's start date and completion date

## B. Construction Administration and Inspection Experience of the Prime Firm (maximum 150 points)

Describe the experience and qualifications of the prime firm in providing construction administration and inspection (CA&I) services for similar projects. Identify projects the submitting firm has

completed. Include assigned CA&I personnel if different from personnel performing design services. For each project listed, provide:

- 1. Description of the project including scope and project owner
- 2. Role of the firm and explain how this relates to the services being solicited
- 3. Project's original contract value, final contract value, and reason for variance
- 4. Project's start date and completion date

#### C. Design Experience of the Key Personnel and Subconsultants (maximum 125 points)

Describe the experience and qualifications of the specific project team expected to be assigned to this project in providing design services for similar projects. For each key person identified, list their length of time with the firm. List each key person's role in the projects provided. If a project selected for a key person is the same as one selected for the firm, provide just the project name and the role of the key person. For each project listed, provide:

- 1. Description of the project including scope and project owner
- 2. Role of the team or team member and explain how this relates to the services being solicited
- 3. Project's original contract value, final contract value, and reason for variance
- 4. Project's start date and completion date

## D. Construction Administration and Inspection Experience of Key Personnel and Subconsultants (maximum 125 points)

Describe the experience and qualifications of the project team expected to be assigned to this project in providing construction administration and inspection services for similar projects. For each key person identified, list their length of time with the firm. List each key person's role in the projects provided. If a project selected for a key person is the same as one selected for the firm, provide just the project name and the role of the key person. Include assigned CA&I personnel if different from personnel performing design services. For each project listed, provide:

- 1. Description of the project including scope and project owner
- 2. Role of the team or team member and explain how this relates to the services being solicited
- 3. Project's original contract value, final contract value, and reason for variance
- 4. Project's start date and completion date

#### E. Project Understanding and Approach (maximum 300 points)

Describe your firm's understanding of the City's need for this project, including important considerations such as project issues and challenges. Describe the team's approach to the project, including important considerations such as scope, schedule, and budget.

#### F. Staffing Information for Key Personnel (maximum 150 points)

Provide the following:

- 1. Team's availability and commitment to the project, including subconsultants
- 2. Team's plan to maintain continuity of the proposed services
- Organization chart showing key personnel, current professional licenses or certifications, and assigned roles for both Design and Construction Administration and Inspection Services for the project
- 4. Identify the location of the lead firm's principal office and the home office location of key staff on this project

#### G. Reference Check (maximum 21 points\*)

Use the form provided (Exhibit A) to obtain at least three references. It is preferred no more than one be a City of Phoenix project. If your firm has not completed prior projects with other agencies, you will not be penalized. It is recommended there be references outside the City of Phoenix.

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

#### **SECTION V - SUBMITTAL REQUIREMENTS**

**New Electronic Submittal Process**: Firms interested in this project must submit a Statement of Qualifications (SOQ) electronically through the ProcurePHX online portal.

\*\*Due to technical issues with the ProcurePHX system, all SOQs will be emailed to heather.roye@phoenix.gov and julie.b.smith@phoenix.gov by Friday, May 3, 2024, by 12:00 PM Phoenix time. \*\*

Submittal requirements are as follows:

☑ Vendor Information: All firms must be registered in the City's Vendor Management System prior to submitting a proposal. For new firms, the City will send an email to your firm with a vendor number within two business days of submitting the request. The vendor number should be included on the cover of the SOQ. Information on how to register with the City is available at:

https://www.phoenix.gov/financesite/Pages/EProc-help.aspx

If your firm is already registered with the City of Phoenix's ProcurePHX system, please visit <a href="https://eprocurement.phoenix.gov/irj/portal">https://eprocurement.phoenix.gov/irj/portal</a> to login and access the electronic solicitation.

☑ The product category code for this RFQ is 925000000 and the RFx number is 6000001582.

#### **☑** Submittals:

- Submittals must be uploaded to the ProcurePhx website by the submittal due date and time.
   \*\*All SOQs will be emailed to heather.roye@phoenix.gov and julie.b.smith@phoenix.gov by 12:00 PM Phoenix time\*\*
- Submit only one SOQ electronically, in .PDF format only, addressing all evaluation criteria. No hard copies will be accepted.
- Clearly display the firm name, vendor number, project title, and project number on the cover of the SOQ.
- A maximum of 10 pages is permitted to address all content in the SOQ submittal. (Maximum page limit includes evaluation criteria and all additional content. It does not include information sheet.)
- Submit by email the Statement of Qualifications by 12:00 noon, Phoenix time, on Friday, May 3, 2024.
- Upload one complete version of the SOQ addressing all the criteria. Upload format is .PDF.
- Page size must meet requirements of 8½" x 11".
- Font size must not be less than 10 point.
- Content count:
  - ✓ Each side of a page containing evaluation criteria and additional content will be counted toward the maximum page limit noted above.
  - ✓ Pages that have project photos, charts and/or graphs will be counted towards the maximum page limit noted above.
  - ✓ Front and back covers, information sheet, Table of Contents pages, and divider (tab) pages will NOT be counted toward the maximum page limit noted above, unless they include evaluation criteria and additional content that could be considered by the selection panel.
- ☑ **Information Sheet:** Provide an information sheet that includes project title, project number, RFx number, **legal firm name (not a trade name)**, address, phone number, vendor number, and the name, title, email address and signature of your contact person for the project. Do not include any additional information.
- ☑ Evaluation Criteria: Address the SOQ evaluation criteria.
- ☑ **Additional Content:** Resumes and other information may be included (content shall be included within the permitted maximum page limit).

Note: All pages exceeding the specified maximum page limit will be removed from the submittal and not considered in evaluating a submitted SOQ.

#### **SECTION VI – GROUNDS FOR DISQUALIFICATION**

The following will be grounds for disqualification, and will be strictly enforced:

- Uploading of submittal to the wrong project.
- Violating the "Contact with City Employees" policy contained in this RFQ.
- Not submitting DBE Form EO1 and/or supporting documentation (Exhibit B) with SOQ. Note: Submit
  as a separate PDF.

#### SECTION VII - SELECTION PROCESS AND SCHEDULE

Interested firms will submit a SOQ. The firms will be selected through a qualifications-based selection process. A selection panel will evaluate each SOQ per the criteria set forth in Section IV above.

The City will select a firm based on the SOQs received; no formal interviews will be conducted. The City may conduct a due diligence review on the firms receiving the highest evaluation.

The City expects to create a final list of at least three, but not more than five firms for this project. The City will enter into negotiations with the selected firms and execute a contract upon completion of negotiation of fees, contract terms, and City Council approval.

The following tentative schedule has been prepared for this project.

Pre-submittal meeting April 9, 2024 SOQs due May 3, 2024 Scope Meeting July 2024

If the City is unsuccessful in negotiating a contract with the best-qualified firms, the City may then negotiate with the next most qualified firm until a contract is executed, or the City may decide to terminate the selection process. Once a contract is executed with the successful firm, the procurement is complete.

All submitting firms will be notified of selection outcome for this project. The status of a selection on this project will be posted on the City of Phoenix's "Tabulations, Awards, and Recommendations" website:

http://solicitations.phoenix.gov/awards

#### SECTION VIII - GENERAL INFORMATION

**Citywide Capital Improvement Projects.** Consulting and contractor services supporting the City's Capital Improvement Projects are procured under the authority of the City Engineer, currently located within the Street Transportation Department. Design and Construction Procurement coordinates the citywide consulting and construction contracting procurement processes.

Changes to Request for Qualifications. Any changes to this Request for Qualifications (RFQ) will be in the form of a Notification. The City of Phoenix shall not be held responsible for any oral instructions. Notifications are available on both the Current Opportunities and ProcurePHX webpage.

It shall be the responsibility of the registered RFQ holder to determine, prior to the submittal of the Statement of Qualifications, if a Notification has been issued. Registered RFQ holders may refer to the web page or call the Contracts Specialist (listed below) to ascertain if a Notification has been issued for this project.

**Alternate Format.** For more information or a copy of this publication in an alternate format, contact the Contracts Specialist (listed below) - Voice or TTY 711. Requests will only be honored if made within the first week of the advertising period.

**Release of Project Information/Public Records Request.** The City shall provide the release of all public information concerning the project, including selection announcements and contract awards. Those desiring to release information to the public must receive prior written approval from the City. To submit a Public Records Request, visit phoenix.gov/prr.

**City Rights.** The City of Phoenix reserves the right to reject any or all Statements of Qualifications, to waive any informality or irregularity in any Statement of Qualifications received, and to be the sole judge of the merits of the respective Statements of Qualifications received.

**Contact with City Employees.** This policy is intended to create a level playing field for all Proposers, assure that contracts are awarded in public, and protect the integrity of the selection process. **OFFERORS THAT VIOLATE THIS POLICY WILL BE DISQUALIFIED.** 

Beginning on the date the RFQ is issued and until the date the contract is awarded or the RFQ withdrawn, all persons or entities that respond to the RFQ, including their authorized employees, agents, representatives, proposed partner(s), subcontractor(s), joint venture(s), member(s), or any of their lobbyists or attorneys (collectively the Proposer), will refrain from any direct or indirect contact with any person (other than the designated Contract Specialist) who may play a part in the selection process, including members of the evaluation panel, the City Manager, Assistant City Manager, Deputy City Managers, Department heads, the Mayor and other members of the Phoenix City Council. As long as the RFQ solicitation is not discussed, Proposers may continue to conduct business with the City and discuss business that is unrelated to this RFQ solicitation with City staff.

Commencing on the date and time a solicitation is published, potential or actual proposers (including their representatives) will only discuss matters associated with the solicitation with the Mayor, any members of City Council, the City Manager, any Deputy City Manager, or any department director directly associated with the solicitation (including in each case their assigned staff, except for the designated procurement officer) at a public meeting, posted under the Arizona Revised Statutes, until the resulting contract(s) are awarded or all offers or responses are rejected and the solicitation is cancelled without any announcement by the procurement officer of the City's intent to reissue the same or a similar solicitation.

Proposers may discuss their proposal or the RFQ solicitation with the Mayor or one or more members of the Phoenix City Council, provided such meetings are scheduled through the Contract Specialist (listed below), conducted in person at 200 W. Washington, Phoenix, Arizona 85003, and are posted as open meetings with the City Clerk at least twenty-four (24) hours prior to the scheduled meetings. The City Clerk will be responsible for posting the meetings. The posted notice shall identify the participants and the subject matter, as well as invite the public to participate.

**Conflict of Interest.** The City reserves the right to disqualify any Proposer on the basis of any real or apparent conflict of interest that is disclosed by the proposal submitted or any other data available to the City. This disqualification is at the sole discretion of the City. Any Proposer submitting a proposal herein waves any right to object now or at any future time, before any body or agency, including but not limited to, the City Council of the City of Phoenix or any court.

**Protest Procedures.** Firms responding to disqualification or a procurement outcome are referred to the Code of the City of Phoenix Chapter 2, Article XII, Section 2-187 to 2-190.4, which governs protest procedures utilized throughout the selection process. The procedures may be reviewed through the City of Phoenix website at:

http://www.codepublishing.com/az/phoenix/

A copy of the Protest Policy is also available online at:

https://www.phoenix.gov/streets/procurement-opportunities

**Questions -** Questions pertaining to this selection process or contract issues should be directed to the Contracts Specialist, Heather Roye at (602) 261-8894 or email heather.roye@phoenix.gov.

# EXHIBIT A CONSULTANT REFERENCE CHECK INSTRUCTIONS, FORM, AND SAMPLE LETTER

The attached Consultant Performance Evaluation Form is to be provided to the agencies or entities for which your firm has recently provided services relevant to those requested for this project. Provide the evaluation form to the Owner, or the Owner's representative directly responsible for oversight of the project to complete and submit to the email box listed below.

The first three references submitted will be accepted and the scores utilized as part of the evaluation process. Each reference check is worth up to 7 points for a total of up to 21 points available.

The form is to be completed by the agency or entity and uploaded to the (email box) at:

soq.referencechecks@phoenix.gov

The procurement identifier is:

6000001582

**Attention: Heather Roye** 

Also attached is a sample performance evaluation cover letter that may be used when sending the reference check request.

### **Sample Consultant Performance Evaluation Cover Letter**

Sample Cover Letter Contact Name Address of Reference

(Your Name) is responding to a Request for Qualifications (RFQ) from the City of Phoenix Office of the City Engineer's Design and Construction Procurement section.

The City is requesting reference information related to our past performance. As a part of the response submittal process, the City is requesting performance evaluations from agencies that our firm has performed services for either in the past or is currently receiving services.

I would appreciate your cooperation in completing the attached Consultant Performance Evaluation form and return by email the completed form by 12:00 pm Phoenix time on **May 3, 2024** to:

soq.referencechecks@phoenix.gov

Reference in Subject Line: RFx #6000001582

For questions, contact Heather Roye, Contracts Specialist at 602-261-8894.

Failure to submit the Consultant Performance Evaluation form by the above date will have a negative impact on the proposal we submit for this service. Your cooperation in submitting this form by this date is appreciated.

If you have any questions regarding this request, please contact (your name) at (your telephone number).

Sincerely,

#### INSTRUCTIONS FOR COMPLETING CONSULTANT PERFORMANCE EVALUATION

Evaluate the consultant's contract performance in each of the rating areas listed below. On the Consultant Performance Evaluation form, circle the rating from 1 to 4 that most closely matches your evaluation of the consultant's performance. Comments are not required but appreciated. **Every rating area must be scored.** 

The Design and Construction Procurement section will use the information from this form to evaluate firms competing for contract award. This completed form will become public record and upon request, will be released to the consultant or any other entity.

Please submit the completed form to the address indicated on the bottom of the Consultant Performance Evaluation form. Thank you for your time and your cooperation.

# ADVANCED WATER PURIFICATION FEASIBILITY STUDY WS85700103 AND WS90700059

RFx: 6000001582

<b>CONSULTANT PERFORMANCE EVALUATION FOR</b>	
	(firm name)

In the box below, provide the project title, contracted services provided by the firm, and start and completion date of services. This form is to be completed by the Owner, or the Owner's representative directly responsible for oversight of the project. The project services evaluated must be relevant to the services of this project. Every rating area must be scored.

DATINIOS	. 0	14 41	and the last section	L L L 41 4	

RATINGS: Summarize the Consultant's performance and circle the number below that corresponds to the performance rating for each category. Please see the rating scale.

1 = Unsatisfactory (.25 pt.); 2 = Poor (.50 pt.); 3 = Good (.75 pt.); 4 = Excellent (1.0 pt.)

HOW WOULD YOU RANK THE BUSINESS RELATIONSHIP BETWEEN THE OWNER AND THE FIRM?	4 3 2 1	Comments:
WAS THE TEAM PRESENTED IN THE PROPOSAL THE TEAM THAT WORKED ON THE PROJECT TO COMPLETION?	4 3 2 1	Comments:
WAS STAFF PROACTIVE IN SOLVING PROBLEMS THAT MAY HAVE OCCURRED ON THE PROJECT?	4 3 2 1	Comments:
WAS THE CONTRACTED SCOPE OF SERVICES COMPLETED ON TIME AND WITHIN BUDGET?	4 3 2 1	Comments:
HOW WOULD YOU RATE THE QUALITY OF WORK PERFORMED BY THIS FIRM ON YOUR PROJECT?	4 3 2 1	Comments:
DID THE FIRM RECOMMEND EFFICIENCIES OR PROVIDE INNOVATIVE IDEAS OR SUGGESTIONS?	4 3 2 1	Comments:

WOULD YOU BE WILLING TO CONTRACT WITH THIS FIRM AGAIN? (YES = 1 point)	YES	Comments:
	NO	
TOTAL SCORE		(MAXIMUM 7 POINTS)
Reference Evaluation Provided By:		
Name and Title:		<del> </del>
Agency/Organization:	· · · · · · · · · · · · · · · · · · ·	
Date:		
Telephone Number:		

Email completed form by May 3, 2024, by 12:00 pm Phoenix time to:

soq.referencechecks@phoenix.gov

#### \*EMAIL SUBJECT LINE SHOULD REFERENCE RFx NUMBER 6000001582

The document should reference the project number and firm for which the reference check is being submitted. If no project number is available, reference the service and firm for which the reference check is being submitted.