



# PRE-SUBMITTAL MEETING

APRIL 9, 2024



**ADVANCED WATER PURIFICATION FEASIBILITY STUDY**

**PROFESSIONAL SERVICES**

**WS85700103 & WS90700059**

**PROCUREPHX PRODUCT CATEGORY CODE: 925000000**

**RFx Number: 6000001582**

**CITY OF PHOENIX**

*WATER SERVICES DEPARTMENT*



# 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](mailto:heather.roye@phoenix.gov) (602) 261-8894

**Jorge Navarro, PE, Project Manager**

Water Services Department

**Kyle Kraft, PE, Project Manager**

Water Services Department



# MEETING OVERVIEW

Sign-in sheet and PowerPoint will be posted on City of Phoenix's ProcurePHX system (**RFx: 6000001582**):

<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. Due to technical issues with the e-procurement website (RFx), please check both websites for updates.*

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



# AGENDA

- ✓ Project Description
- ✓ Scope of Work
- ✓ SOQ Evaluation Criteria / RFQ Overview
- ✓ Submittal Requirements (*Page Count, Disqualifications*)
- ✓ Important Dates: *Selection Schedule*
- ✓ Vendor Registration
- ✓ Questions



- ✓ Up to three firms will be selected for this project
- ✓ Reminder to check both websites as the e-procurement (RFx) website is having issues. No SOQs will be submitted through the RFx website on May 3, 2024. All SOQs will be emailed to [heather.roye@phoenix.gov](mailto:heather.roye@phoenix.gov) and [julie.b.smith@phoenix.gov](mailto:julie.b.smith@phoenix.gov)
- ✓ I will be out of the office on May 3rd so if you have any questions, please call Julie at 602-534-2418.



# 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).



# PROJECT DESCRIPTION

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.



# PROJECT DESCRIPTION

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





# PROJECT 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.



# PROJECT SCOPE OF WORK

## 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
- ❖ **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



# PROJECT SCOPE OF WORK

## 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



# PROJECT SCOPE OF WORK

## 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



# PROJECT SCOPE OF WORK

## 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



# QUESTIONS?





# SOQ EVALUATION CRITERIA

*Maximum Number of Points is 1,000*

- A. Experience of the Prime Firm *(300 pts)*
- B. Experience of the Key Personnel and Subconsultants *(250 pts)*
- C. Project Understanding and Approach *(300 pts)*
- D. Staffing Information for Key Personnel *(150 pts)*

*\*Reference Checks (21 Points) These points are in addition to the 1,000 points for the SOQ*



# SUBMITTAL REQUIREMENTS

Submit One (1) page Information Sheet

Paper Size 8½" x 11";  
Font size no less than 10 pt.

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





# MAXIMUM PAGE COUNT

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**10 pages permitted to address all Criteria**

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The following will NOT be counted in the Maximum Page Count:

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- \* Front and back covers
  - \* Information Sheet
  - \* Table of Contents
  - \* Dividers (tabs)
- 

***UNLESS** you include information that may be considered by the selection panel*



Failure to email your SOQ by the due date and time

SOQs are to be emailed to [heather.roye@phoenix.gov](mailto:heather.roye@phoenix.gov) and [julie.b.smith@phoenix.gov](mailto:julie.b.smith@phoenix.gov) as I will be out of the office on May 3<sup>rd</sup>.

Violating “Contact with City Employees” policy

| GROUNDS FOR DISQUALIFICATION



# IMPORTANT DATES:

SOQ DUE

MAY 3, 2024

THIS IS GOING TO BE A GRANT FUNDED PROJECT SO THE  
ADVERTISEMENT DATE IS PUSHED OUT ANOTHER 2 WEEKS.

SELECTION NOTIFICATION

LATE MAY 2024

SCOPE MEETING

JULY 2024

## Selection Schedule



# procurePHX

Have you  
signed up?

## VENDOR REGISTRATION

[VENDOR.SUPPORT@PHOENIX.GOV](mailto:VENDOR.SUPPORT@PHOENIX.GOV)  
602.262.1819

Brief overview for online  
registration and procurePHX  
accessibility



# NEW TO THE CITY OF PHOENIX?

All Firms **MUST** be registered in the Vendor Management System **PRIOR TO** submitting a Proposal

**New Firms** – After registering, the City will send an e-mail with a vendor number in approx. 2 days

**NEW:** Information on how to register with the City is available at:

**<https://www.phoenix.gov/finance/vendorsreg>**



# ALREADY REGISTERED

Product Category Code is: **925000000**

RFX (Event) Number is: **6000001582**

Note: The **VENDOR NUMBER** is to be included on the cover of the Statement Of Qualifications



## PLACE THE FOLLOWING ITEMS ON THE INFORMATION SHEET:

PROJECT TITLE

PROJECT NUMBER

RFX NUMBER

LEGAL FIRM NAME — NOT TRADE NAME

FIRM ADDRESS

FIRM PHONE NUMBER

VENDOR NUMBER

NAME, TITLE, EMAIL ADDRESS, AND SIGNATURE OF CONTACT PERSON

*DO NOT INCLUDE ANY OTHER INFORMATION*

## Things to Remember



# PROCUREMENT INFO

[HTTPS://WWW.PHOENIX.GOV/STREETS/PROCUREMENT-OPPORTUNITIES](https://www.phoenix.gov/streets/procurement-opportunities)

## Current Opportunities:

- *Project-specific RFQs, Notifications, Sign-in Sheets, Presentations*

<https://solicitations.phoenix.gov>

## Project Interviews, Bid Results, and Project Selections:

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

The ProcurePHX online portal will be used for Solicitations only

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





# QUESTIONS AFTER TODAY?

Last Day for questions is seven days  
before the SOQ's are due or  
**Wednesday April 24, 2024**

Email all questions to:  
[heather.roye@phoenix.gov](mailto:heather.roye@phoenix.gov)

Reference Rfx Number:  
**6000001582**  
in your email subject line



# QUESTIONS





THANK YOU FOR  
ATTENDING!

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