

EL PASO WATER – PUBLIC SERVICE BOARD
REQUEST FOR QUALIFICATIONS

RFQ 38-17

November 7, 2017

To: Design-Build Teams

Re: Request for Qualifications to El Paso Water – Public Service Board Statement of Work
for Professional Engineering and Construction Services

El Paso Water (EPWater) is pleased to announce this Request for Qualifications (RFQ) for the following Design-Build services:

**PROJECT: DESIGN AND CONSTRUCTION OF SURGE CONTROL DEVICES FOR
THE EXISTING 48-INCH JONATHAN ROGERS WATER TREATMENT
PLANT DISCHARGE WATER MAIN**

The due date for Statement of Qualifications (SOQ) submittals is **November 29, 2017 by 3:00 P.M. (MST)**. Please submit your SOQ to the following address:

El Paso Water - Public Service Board
1154 Hawkins Boulevard
El Paso, Texas 79925
Attention: Rosemary Guevara, Senior Purchasing Agent

Please submit the SOQ in sealed envelope to Ms. Rosemary Guevara. **Do not submit to the ground floor lobby front (security) desk.**

No additional documents are available at this time for this RFQ. This electronic version and accompanying Appendix represents the entire packet for this solicitation. Please contact El Paso Water – Public Service Board (EPWater-PSB) if you encounter any issues with the electronic transmission.

Each Bid shall be submitted in accordance with the Instructions to Bidders and be accompanied by a Bid Security in the amount of five percent of the amount bid.

All inquiries regarding this Project and RFQ must be submitted via e-mail to the Senior Purchasing Agent, Ms. Rosemary Guevara, at rguevara@epwu.org by **November 14, 2017 before 5:00 P.M. (MST)**.

Selected, short-listed teams will be notified by **December 12, 2017** and the subsequent Request for Proposals (RFP) published by **December 15, 2017**.

PROJECT SCOPE

TITLE: **DESIGN AND CONSTRUCTION OF SURGE CONTROL DEVICES FOR THE EXISTING 48-INCH JONATHAN ROGERS WATER TREATMENT PLANT DISCHARGE WATER MAIN**

REQUEST FOR QUALIFICATIONS

El Paso Water seeks Statements of Qualifications (SOQ) from interested design-build teams for the project described below:

An existing 48-inch pipeline conveys drinking water during the surface water season from the Jonathan Rogers Water Treatment Plant (JRWTP) to the Americas Reservoirs. This water main has experienced ruptures at multiple locations caused by surges during power outages at the high service pump stations located in the water treatment plant. The goal of this project is to increase the surge capacity of the 48-inch water line as described next.

Provide professional engineering and construction services to design and install two additional surge tanks inside the treatment plant to increase the surge capacity of the 48-inch pipeline. The surge tank manufacturer will be required to provide a surge analysis report signed by a Texas registered engineer with the specific equipment that addresses component resistance, such as energy dissipater, if needed. The project includes, thus, the installation of the two new surge tanks (2,750 cubic feet each), four air compressors, valves, piping, pre-cast mechanical building, and start-up and training to increase the surge capacity for the water main. The existing surge protection system includes a 2,750 cubic feet tank, air handling units, and blow off valves.

Provide professional engineering and field test services to evaluate existing valves from the surge system for potential replacement. Evaluate the existing flow control and check valves at the high service pump station to confirm that they are working properly. For the check valves, verify that they are closing upon flow-reversal and if adding an outside lever and weight, would improve the quick-closing, non-slam characteristics. Short-listed teams will be asked to include separate itemized costs (as additives to the project) to furnish and install the equipment to be evaluated in this section for EPWater's review and consideration.

The report titled "Water Model and Surge Analysis for a Portion of the Eastside Water System - Americas 48-Inch Water" was prepared by CDM Smith and is provided for all proposers as additional information on this project.

ALL EXHIBITS, REPORTS, PERMIT REQUIREMENTS, AND OTHER DOCUMENTS PROVIDED IN THE ADDITIONAL INFORMATION SECTION OF THIS RFQ ARE TO BE CONSIDERED DRAFT FOR DISCUSSION ONLY. THEY ARE NOT TO BE USED FOR BIDDING OR CONSTRUCTION. Updated exhibits will be provided in the subsequent Request for Proposals (RFP) packet.

The anticipated items of work are as follows:

- Mobilization
- Provide design, labor, materials, equipment, testing, and incidentals to install:
 - Two new surge tanks (2,750 cubic feet each) at Jonathan Rogers WTP. The unpaved area east of the transfer station will be utilized to place the tanks and precast building.
 - Furnish and install new piping, air release valves, isolation valves, reinforced concrete thrust blocks and equipment pads, I&C, electrical, cabinets, four air compressors, and all other equipment, material, labor, and incidentals necessary to connect and operate the new surge tanks.
 - Furnish and install a new 20-foot by 20-foot precast building to house the air compressors and cabinets for the new tanks including all electrical, mechanical, HVAC, I&C, and all other material and labor necessary.
 - Provide professional engineering and field test services to evaluate the existing flow control and check valves at the JRWTP's high service pump station to minimize surge at the pump station. Conduct field tests and submit a technical memorandum with the findings and recommendations.
 - Provide area perimeter safety fencing and measures
- Coordination with EPWater personnel for all the work especially when requiring to take water lines or equipment out of service.
- Demobilization

Proposing teams shall complete connections to the existing 48-inch diameter water main prior to February 15, 2018 to avoid disruption to water main during water production. Also, one surge tank shall be operational by April 30, 2018 before the Jonathan Rogers WTP begins producing drinking water. The second surge tank can be completed right after, but before July 2018. It is likely that the selected team will be required to work extended and multiple shifts to meet deliverables. Substantial completion is expected by June 30, 2018.

Proposer teams should note that this project is a Design-Build with incentives for early completion.

The successful Design-Build team must demonstrate experience in designing and constructing surge control devices to include large surge tanks, refer to the Minimum Qualifications section. Additionally, the successful Design-Build team must also demonstrate extensive experience in the procurement, installation, and field testing of other surge control devices including valves and oil chambers.

The Design-Build team will contract directly and work cooperatively with EPWater and its construction manager, to successfully provide the full scope of professional design and construction services required to complete the project requirements.

SCHEDULE OF RFQ AND SUBSEQUENT RFP EVENTS

The following Schedule of Events table represents EPWater's best estimate of the schedule that will be followed. All times are Mountain Time, the time observed in El Paso. EPWater reserves the right to modify the schedule as required.

- A. EPWater issues RFQ to invited teams.....November 7, 2017
- B. Deadline for submission of requests for clarification.....November 14, 2017 at 5:00 P.M.
- C. EPWater publishes clarifications.....November 17, 2017
- D. Deadline for submission of SOQ.....November 29, 2017 at 3:00 P.M.
- E. EPWater announces short-listed teams.....December 12, 2017

Abbreviated & estimated RFP schedule for information only:

- F. EPWater issues RFP to short-listed teams.....December 15, 2017
- G. RFP DueDecember 29, 2017
- H. Contract AwardJanuary 10, 2018

PROJECT GOALS AND KEY OBJECTIVES

The selected design-build team is expected to achieve the following goals:

- Finalize the surge tank design in a timely manner
- Implement creative and innovative approaches
- Comply with EPWater, OSHA, City of El Paso, and Texas Commission on Environmental Quality standards and all other applicable regulations
- Provide the necessary resources, qualified personnel, materials, equipment, and incidentals in a timely manner to meet the project schedule
- Achieve Substantial by June 30, 2018 and Final Completion by July 30, 2018 of all Surge Control Devices
- Complete milestones as follows:
 - Milestone No. 1: Connection to 48-inch diameter discharge main by February 15, 2018
 - Milestone No. 2: One surge tank shall be operational by April 30, 2018 – beneficial use of one tank will be issued
 - Milestone No. 3: Achieve Substantial Completion by June 30, 2018 and Final Completion by July 30, 2018
- Complete the Project within budget
- Expected value of project is between \$1,000,000 to \$1,500,000

MINIMUM QUALIFICATIONS

All prospective design-build teams shall comply with the minimum requirements specified on this request for qualification. The minimum qualifications were set by the EPWater Evaluation Team. The Evaluation Team for this selection will consist of EPWater's Operations and Engineering personnel.

The proposed design-build teams shall comply with the following qualifications:

- At least one member of the team shall be a registered engineer in the State of Texas with experience in surge tank and control devices design and construction
- The team shall demonstrate the following experience:
 - Design, installation, and procurement of two surge tanks of capacities between 2,750 to 4,100 cubic feet of at least 3 similar projects in the last 10 years
 - Meeting demanding schedules
 - Surge control device evaluation, design, and installation of at least 3 similar projects in the last 10 years
 - Installing infrastructure to EPWater standards and specifications
 - Installation of air release valves, check valves, isolation valves of 48-inches
 - Methods used for quality assurance and quality control during operation
- Team shall provide a complete Safety Record and the following:
 - Provide OSHA Forms 300, 300A, and 301 for last 3 years
 - Have not obtained in the last three years six or more serious violations, one or more willful violations, or a single repeat of a serious violation
 - Must not have experienced a workplace fatality in the last three years, unless the team can demonstrate the factors that caused the fatality were outside the team's control. A team however may fail the above safety criteria but still be deemed possible if:
 - No other bidder/team can be found
 - The bidder is approved by the Chief Technical Officer and the Vice President of Operations and Technical Services
 - The bidder agrees to implement the special safety procedures (which might include a requirement to work with trained EPWater personnel present) that the Vice President of Operations and Technical Services establishes for the project

The Minimum Qualifications submittal shall not exceed ten (10) letter size (8-1/2" x 11") pages. The pages shall be double-sided. Therefore, the total amount of pages shall not exceed five (5) sheets. Cover letter, contents page, dividers, and covers shall not be counted towards this limit. The size of lettering shall not be less than 11 size font. Line spacing shall be single-space or above.

All prospective design-build teams must submit their Statement of Qualifications (SOQ) by or before the submittal deadline (November 29, 2017 at 3:00 P.M. MST).

The SOQ will consist of five Evaluation Criteria components:

1. Construction Company and Design Team, Key Personnel Surge Tank/Control Device Experience (20 points)

Company history, capabilities, ability to mobilize, list qualification of key personnel and general information

2. Safety Record and Program (10 points)

OSHA Forms 300, 300A, and 301

Safety Program

3. Equipment availability and ability to expedite project completion (20 points)

Available and any specialized equipment for this type of application

4. Past performance on similar projects by Proposer and Team Members (20 points)

Showcased projects of similar size and scope

5. Meeting expedited schedules, procuring and installing surge tanks (30 points)

Past examples

Experience with surge tank design and installation

Relationship and familiarity with surge tank manufacturers

Experience with design, testing, and installation of surge control devices such as vacuum breakers, air inlet and air cushioned valves, oil chambers, and pressure relief valves

Approach to project and meeting the schedule

EPWater shall assign the members of the Design-Build Evaluation Committee. The submitted SOQs shall be distributed to the Evaluation Committee for their review and recommendations. The Selection Committee shall review the written SOQ submittals and submit a short-list of the design-build firms that provide the best value for EPWater on the basis of the published selection criteria and its ranking evaluations to EPWater.

Points will be assigned as follows:

- ✓ Above Average = 75-100%
- ✓ Average = 50%-74%
- ✓ Below Average = 25%-49%
- ✓ Did not demonstrate minimum qualifications = 0%-24%

EPWater shall receive and tabulate all score sheets based on the published selection criteria in the RFQ document. Each design-build firm shall be ranked 1, 2, 3, etc.

Up to five (5) top-ranking teams will be short-listed and invited to participate in the subsequent RFP process.

EPWater will evaluate inquiries and issue an appropriate response. All questions and responses and additional information will be included and issued in an Addendum.

Restriction of Communication: From the time of release of this solicitation until final award is made to a successful respondent and such award is announced, interested firms are not permitted to communicate about this solicitation or scope with any staff or any official representatives of EPWater, or their consultants, except for submission of questions as instructed in this RFQ and

subsequent RFP. EPWater reserves the right to disqualify the submittal of any respondent in violation of this policy.

POST SELECTION PROCESS

Pursuant to the Cone of Silence provisions, teams that were not selected can request a debriefing to go over their score upon the posting of the contract nominated for award on the Board's Agenda. Teams who wish to be debriefed must request the debriefing in writing within seven (7) consecutive calendar days after the posting of the contract nominated for award on the Board Agenda. All debriefing request(s) after seven (7) consecutive calendar days will not be considered. Debriefing requests shall be sent electronically to: Senior Purchasing Agent, Ms. Rosemary Guevara, at rguevara@epwu.org.

ADDITIONAL INFORMATION AND ATTACHMENTS

- A. Water Model and Surge Analysis for a Portion of the Eastside Water System – Americas 48" Water (*CDM Smith Report*)

End of RFQ