
REQUEST FOR PROPOSALS
FOR
MAINTENANCE SERVICE CONTRACT
FOR
TWO (2) EXISTING WATER TREATMENT PLANTS

OWNED AND OPERATED
BY
CITY OF FORT STOCKTON

Release Date: February 12, 2019

Close Date: March 7, 2019

INTRODUCTION

The City of Fort Stockton (the City) is requesting Proposals (RFP) from a qualified water treatment service provider for providing antiscalant chemical blend, chemicals for clean-in-place (CIP) procedure, reverse osmosis (RO) membranes and professional maintenance services for two (2) existing Reverse Osmosis Treatment Plants (RO Plants) owned & operated by the City of Fort Stockton. The maintenance contract will initially be awarded for two (2) consecutive years with an option for two (2); one (1) year renewal extensions with the City.

City of Fort Stockton has two (2) existing RO plants at two (2) different locations – One is located in Fort Stockton at the City Yard, namely “Alternate Plant”, physical address: 509 N. Valentine, Fort Stockton, Texas 79735; and the second one is located two miles west of the city limits, namely “Main Plant”, physical address: 626 S. Ellyson Blvd., Fort Stockton, Texas 79735.

Alternate Plant – RO plant has (2) two trains – Train A and Train B, each with an array configuration capable of 361 GPM of permeate production rate per train. Permeate water from each RO train is blended with 90 gpm of treated feed to achieve total of 451 GPM per train finished water with a TDS of 250-400. Raw water is pumped via booster pump skid in to the pretreatment system of each train. Pretreatment consist of antiscalant feed system and micron cartridge filters. Each RO train has its own individual tote fed antiscalant chemical feed system that has Walchem pump with drawdown column and micron cartridge prefiltration before the feed water enters the RO membranes. Antiscalant chemical blend is used for preventing fouling and scaling of membranes due to presence of silica, carbonate and sulfate and some iron in feed water. A CIP skid for cleaning of membranes with a permeate flush on shutdown is installed. A single CIP skid is common to both Trains A and B. Both RO trains are loaded with full instrumentation and controls for automated operation of the plant.

Main RO Plant – RO plant has three (3) Trains A, B and C, each with an array configuration capable of 700 GPM of permeate production rate per train. All blending is off-skid to blend a small amount of raw well water, to achieve finished water with TDS of 250-400 for each train. Raw water is gravity fed into the pretreatment system of each train. Pretreatment consist of antiscalant feed system and micron cartridge filters. Each RO train has its own tote fed antiscalant chemical feed system that has Walchem pump with a drawdown column and micron cartridge prefiltration before the feed water enters the RO membranes. Antiscalant chemical blend is used for preventing fouling and scaling of membranes due to presence of silica, carbonate and sulfate and some iron in feed water. A standalone CIP skid for cleaning of membranes is installed. A single CIP skid is common to all 3 Trains A, B and C. RO trains are loaded with full instrumentation and controls for automated operation of the plant.

The RFP's will be evaluated by the City Manager of Fort Stockton and may include an interview of one or more teams. The team judged as the most qualified will be recommended to the City Council for award of service and maintenance contract.

PROJECT SCOPE

The scope will include providing complete maintenance services and troubleshooting associated with, to include but not limited to, chemicals, filters and other consumables, electrical, mechanical, plumbing, automation and controls, and software and hardware programming for fully integrated treatment plant and provide support and superior service and assist in long term operation of the City of Fort Stockton RO Plant, and electrical, automation and controls, software and hardware programming for the wastewater plant.

All cost for automation and controls, and software and hardware programming for a fully integrated treatment plant must be included as a separate line item in the proposed services provided to the City of Fort Stockton. Further, all automation and controls, and software and hardware programming must be developed to be an **open source platform** which can be used by the City of Fort Stockton after the term of the award and contract. Lastly, the automation and controls, and software and hardware programming must be able to communicate with the City of Fort Stockton Water Wells, storage tanks, and booster stations located at the Alternate Plant and Main RO Plant. Once again, all cost for automation and controls, and software and hardware programming for a fully integrated treatment plant must be included as a separate line item in the proposed services provided to the City of Fort Stockton.

The scope will include delivery program delivering chemicals and other consumables to plant site in Fort Stockton. The scope will include supplying to the City approved antiscalant chemical blends that can achieve high recovery rates and that can control sulfate, silicate, calcium carbonate and iron, as well as other constituents that have fouling and scaling potential. It shall be required that prospective qualifiers collect raw water samples for detailed feed water analysis from two (2) different source wells and run full physical and chemical water analysis including silica and sulfate at no expenses whatsoever to the City of Fort Stockton, for the purpose of providing in their proposals, a yearly cost analysis of a maintenance program specific to the City's raw water quality. Routine maintenance services will include the following services, but not limited to, check operation, inspect for leaks and make necessary adjustments to ensure Reverse Osmosis (RO) System is operating within manufactures specifications, check and record pressure drop across RO one micron pre-filter, profile test of each vessel conductivity, inlet, outlet and reject conductivity, pH, record and log pressure on RO, periodic SDI test, report and document any problems or system needs and provide with recommendations.

All Prospective Qualifiers are requested to be able to comply with, but not limited to, the following to meet scope specified in this **RFP**:

- 1.) Provide complete maintenance services and troubleshooting of two (2) RO plants to get required water quality in distribution system, and electrical services at the wastewater plant.

- 2.) Assist the City in achieving highest recovery with least quantity brine production by recommending and providing approved antiscalant chemical that are custom formulated and blended specific to the feed water quality and flowrates of feed water from two (2) different source wells for each RO plant. Proposed Antiscalant chemical blends must be capable of controlling silica and sulfate scaling potential of feed water.
- 3.) Able to predict optimal dosing rates for antiscalant chemicals to be able to achieve a minimum of 80% recovery rate or higher, and cleaning chemicals that will reduce the frequency of cleaning intervals to minimum as possible.
- 4.) Able to deliver antiscalant, cleaning chemicals and membranes.
- 5.) Able to provide a minimum of 3 year warranty on the membranes for an extension of up to 5 years for each RO plant.
- 6.) Assist to ensure that the City is in full compliance with all regulatory requirements set forth by TCEQ and ensure that the customer's water quality requirement is met.
- 7.) Capable of reporting physically onsite for troubleshooting and maintenance services within 3 hours, and available for troubleshooting via phone within 1 hour of City's request.
- 8.) Available upon the City's request any time during the regular work hours, over the weekends and holidays for troubleshooting services whatsoever for operation of the RO plants, and electrical services at the wastewater plant.

All Prospective Qualifiers are requested to be able to comply with below listed capabilities:

COMPANY QUALIFICATION

- 1.) Prospective Qualifier must have experience working in the State of Texas in the Water Treatment Industry.
- 2.) Prospective Qualifier must have experience and capabilities to specially formulate and blend chemicals to improve recovery rates, prevent scaling and fouling of membranes and minimize the volume of waste.
- 3.) Prospective Qualifier must have thorough knowledge of Reverse Osmosis Plants and treatment processes, operations and equipment.
- 4.) Prospective Qualifier must have experience performing water quality modeling and hydraulic modeling using modeling software and create process design reports and help determine various critical design parameters.
- 5.) Prospective Qualifier must have technical knowledge and expertise in installation and startup, training, CIP procedures, inspecting, and troubleshooting.
- 6.) Service technicians must have experience in construction, rehabilitation and installation work surrounding water treatment equipment and distribution systems including piping, concrete structures, controls, electrical, mechanical, and plumbing.

DELIVERY OF SUBMITTALS

Statement of Qualification must be received by the City of Fort Stockton, attention Frank Rodriguez III, City Manager at the following address no later than March 7, 2019, 10:00 a.m. (Local Time).

Frank Rodriguez III
City Manager

RO Plant Services Proposal
121 W. 2nd Street
Fort Stockton, Texas 79735

It is the sole responsibility of respondents to the Request for Proposal to deliver the proposal by the stated deadline.

Late Proposal documents will not be accepted under any circumstances.

The City of Fort Stockton reserves the right to increase or decrease the scope of work related to this project as outlined in the RFP after a team is selected to accommodate changes in the project needs as determined by the City of Fort Stockton or to serve its best interests.

INSTRUCTIONS FOR COMPLETION OF RESPONSES

Information presented in the Statement of Qualifications will be used to evaluate the professional qualifications and determine the Qualifier(s) which will be selected to provide professional services to the City.

WITHDRAWAL OF PROPOSALS

An authorized representative of the company may withdraw a Proposal at any time prior to the RFP submission deadline, upon presentation of acceptable identification as an authorized representative of such company.

AWARD OF CONTRACT

It is understood that the City reserves the right to accept or reject any and all Proposals and to re-solicit for Proposals, as it shall deem to be in the best interests of the City. Receipt and consideration of any Proposals shall under no circumstances, obligate the City to accept any Proposals. If an award of contract is made, it shall be made to the responsible Qualifier whose Proposal is determined to be the best evaluated submission. If awarded, the City intends to award a single contract to a single Qualifier.

DISQUALIFICATION OF QUALIFIERS

Qualifiers may be disqualified for any of the following reasons:

- The Qualifier is involved in any litigation against the City;
- The Qualifier is in arrears on an existing contract or has defaulted on a previous contract with the City;
- Lack of financial stability;
- Failure to perform under previous or present contracts with the City;

EVALUATION CRITERIA

Proposals will be evaluated by a selection committee made up of City staff; recommendation for the successful Vendor will be based on the following:

- Vendor's experience, capacity and capability to provide the required services in a professional, timely, reliable and secure manner.
- Vendor's understanding of the City's production requirements.
- The cost of providing the required services including parts materials and consumables.
- Ability to interact productively with City staff as required.
- Information obtained through reference checks.

QUALIFICATIONS SUBMITTED SHALL PROVIDE THE FOLLOWING:

- 1.) Brief description of past and/or current contracts with similar scope along with references with a proof of working experience in the State of Texas in the Water Treatment Industry.
- 2.) Resumes of team members.
- 3.) Brief description or summary to prove that the prospective qualifier has experience in formulation and blending of Specialty Chemicals that can improve recovery rates, prevent scaling and fouling of membranes and minimize the volume of waste stream.
- 4.) By submitting this RFQ, the Qualifier specifically waives any right to recover or be paid attorney's fees from the City or any of the City's employees and representatives under any of the provisions of the Texas Uniform Declaratory Judgments Act (Texas Civil Practice and Remedies Code, Section 37.001, et. Seq., as amended). By submitting a response to the RFQ, each Qualifier agrees to waive and does hereby waive any claim the Qualifier has or may have against the City, it's respective employees and representatives for the award of attorney fees, arising out of or in any way connected with the following:
 - a. **The Administration, Evaluation or Recommendation of any RFQ;**
 - b. **Acceptance or Rejection of any RFQ; and**
 - c. **Award of Contract.**
- 5.) The Vendor must provide documentation that the Vendor is in good standing with the Texas Secretary of State and Texas Comptroller to conduct business in the state of Texas.
- 6.) Any other relevant information that the Qualifier wishes to submit to the City that will assist the City in determining the extent to which the services meet the City's need to provide the best value for the City.
- 7.) The Vendor must provide a comprehensive cost proposal that covers all costs associated with the services identified in this RFP. The cost proposal should include a section that provides a cost schedule for potential repair and replacement of defective components that may be encountered during the maintenance and inspection work.