



Gulf Coast Water Authority

3630 Highway 1765

Texas City, Texas 77591

409.935.2438

Request for Qualifications

Sealed statement of qualifications plainly marked in lower left corner of envelope, "RFQ for Reservoir Feasibility Study", shall be submitted to the General Manager, Gulf Coast Water Authority, 3630 FM 1765, Texas City, Texas 77591 no later than April 30, 2015 at 10:00 AM.

Gulf Coast Water Authority, hereinafter described as "GCWA" or "the Authority", intends to enter into a contract for professional engineering services for the purpose of engineering feasibility of constructing a 30,000 acre-foot reservoir to service customers in Galveston, Fort Bend and Brazoria Counties.

BACKGROUND

GCWA is a wholesale water provider for customers located in Galveston, Fort Bend, and Brazoria Counties. GCWA operates a network of canals originating on the Brazos River that flow from west to east from Fort Bend County, through Brazoria County and terminating in Galveston County. The majority of this water is sourced from the Brazos River (Certificates of Adjudication 5168, 5171, and 5377). In addition, GCWA also holds long-term contracts with the Brazos River Authority (BRA) for water backed up by reservoir storage in the Brazos River Basin that may be employed in order to supplement the water rights GCWA owns.

In recent years, conditions in the Brazos River Basin have stressed water resources throughout the basin and particularly in the lower basin where run-of-the-river supplies do not have the benefit of reservoir storage to more effectively mitigate dry conditions. Most notably, priority calls were made by the Dow Chemical Company in Freeport in 2009, 2011, 2012, and 2013. This call impacted water right holders junior to February 14, 1942. Although some of GCWA's rights are senior to this date, a call at this priority has the potential to impact 165,000 ac-ft of the permitted yield of GCWA's Brazos River rights or approximately 43 percent of the authority's Brazos River rights, overall. This impact represents a risk to GCWA's industrial and municipal customers who depend on a reliable supply of water, especially under dry climate conditions.

GCWA has completed feasibility studies of five alternatives: GCWA Reservoir C, Allens Creek Reservoir, East Texas Supplies, Southeast Water Purification Plant Treated Water, and City of Houston Reuse. Additionally, modelling the GCWA system during the 2011 drought has determined that an 18,000 ac-ft reservoir filled and released would provide the optimum size for existing customers during that year. Therefore, GCWA wishes to evaluate the feasibility of acquiring, permitting, designing and constructing a 30,000 ac-ft reservoir for existing and future customers.

INSTRUCTIONS

Respondent is to follow the instructions dedicated below. Any request for further explanation or additional details must be submitted in writing no later than April 23, 2015. Please direct any

inquiries to Ivan Langford, General Manager, at ilangford@gcwater.org or 409.797.4907. GCWA's Engineer and lead person on this project will be James Vanderwater, P.E., District Engineer.

All statement of qualifications received will be reviewed internally by the Authority's staff and selected firms will be called for oral presentations. Once a final selection has been made, the GCWA Board Engineering Committee will review the proposal and consultant, followed by approval of the Board of Directors at a subsequent meeting.

GCWA is asking qualified firms to prepare a definitive statement of qualifications that addresses the Scope of Work attached hereto and conforms to the following instructions. The statement of qualifications shall include the following:

1. Statement of Qualifications (SOQ) of the submitting Respondents and all sub-consultants including three (3) references for similar recent projects including current contact name and phone numbers. Please limit SOQ to a maximum 5 single sided pages.
2. The Engineer shall submit a minimum of five (5) written copies of the Proposal and one electronic file in pdf format on a USB drive.
3. By submitting a proposal, the Respondent consents to GCWA undertaking such investigation as it deems in its best interest to investigate the Respondent's qualifications.
4. The submitting Respondent assumes all responsibility for any costs it incurs in preparing a response to this Request for Proposal.

Selection will be based on Respondent's ability to address the Scope of Work, Qualifications of the firm and individuals assigned to this Project, Experience, and Reputation.

In accordance with State law, GCWA shall enter into contract negotiations with the first-ranked Respondent. If GCWA cannot reach an agreement with the first-ranked Respondent, GCWA shall proceed to the next highest ranked, etc.

SCOPE OF WORK

The Engineer will perform professional civil engineering services supporting GCWA's District Engineer in implementing capital improvements. Specific Work Authorizations will be negotiated for one or more project(s) with a detailed background, scope of work, deliverables, time and compensation. GCWA anticipates negotiating work authorizations for the following Tasks:

Task A - Project Management and Meetings

1. Engineer's project leaders will meet with GCWA staff and conduct a Project Kickoff Meeting to discuss project scope, deliverables, and schedule.
2. Engineer shall submit monthly reports to GCWA staff.
3. Engineer will present potential properties to the GCWA Board Engineering Committee.
4. Engineer will meet with GCWA staff after the Authority's review of Draft Report.

Task B –Property

1. Identify three or more sites that would be available for purchase and are located in the vicinity of the GCWA "A" and "B" Canals and would be suitable for development as a reservoir:
 - a. A site in the Fulshear area near Jones Creek or the Shannon Pumping Plant.
 - b. A site in the vicinity of Fresno adjacent to the "A" Canal
 - c. Other site(s) that would be advantageous to GCWA customers.
2. Identify ownership, existing easements and encumbrances.
3. Prepare appraisals for selected properties.

Task C –Environmental

1. Review existing environmental assessment reports if available.
2. Perform a table top review of potential wetlands and identify obvious issues with wetland impacts.
3. When a site is selected and if not available perform an Environmental Site Assessment, Phase 1.

Task D - Legal

1. List Army Corps of Engineer's permitting requirements for the development of the site as well as offsite conveyance structures.
2. Determine Scope of TCEQ permitting requirements for the proposed diversion and recommend diversion strategy.
3. List other agency coordination that is required by the project.
4. Review of dam levee construction required by TCEQ for dam safety.

Task E - Physical

1. Calculate the firm yield from the site based on levee construction as directed by GCWA staff. Generally, levee construction will be either less than 6 feet or greater than 10 feet.
2. Estimate the loss of water due to exfiltration and evaporation.
3. Identify inlet/outlet structures required by the development of the site. Include any conveyance issues that may impact GCWA's ability to deliver the stored water to the intended customer.
4. Evaluate any other pertinent information as directed by GCWA staff.

Task F – Cost Analysis

1. Calculate opinion of probable construction cost for the recommended work.