



PWC 2122054

REQUEST FOR STATEMENT OF QUALIFICATIONS
FOR ENGINEERING SERVICES

**Emergency Electric Generation at the Hoffer Water
Treatment Plant**

Issued: June 9, 2022
Fayetteville Public Works Commission
955 Old Wilmington Road Fayetteville, NC 28301

DUE DATE: July 8, 2022, 3:00 PM

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**FAYETTEVILLE PUBLIC WORKS COMMISSION
PWC2122054
REQUEST FOR STATEMENT OF QUALIFICATIONS**

**ENGINEERING SERVICES FOR EMERGENCY ELECTRIC
GENERATION TO SERVE THE HOFFER WATER
TREATMENT PLANT DURING ELECTRIC GRID OUTAGES**

DUE: July 8, 2022; 3:00 P.M.

Introduction

The Fayetteville Public Works Commission’s (“PWC’s”) P.O. Hoffer Water Treatment Plant (“Hoffer”) currently has a nominal treatment capacity of 32 million gallons per day (“MGD”) with an additional high-rated capacity of 7.5 MGD. Hoffer’s emergency generation is currently comprised of two 2 MW diesel generators, each of which is isolated and feeding separate buses. The existing emergency generation is reaching the end of its useful life. PWC, therefore, plans to install new generating facilities as the primary source of emergency generation for Hoffer and all of its ancillary facilities (collectively, the “WTP”). PWC is also in the process of planning and designing a 16 MGD expansion that is anticipated to be completed through a series of four projects and will increase Hoffer’s nominal capacity to 48 MGD over the next three to seven years. PWC therefore needs to be able to increase its emergency generating capacity in a manner that is timely and sufficient to serve the increasing load.

Scope of Services

In accordance with N.C.G.S. 143-64.31, PWC is seeking to engage the services of one or more qualified engineering firm(s) to provide the following services: evaluate and prepare a detailed engineering report providing the firm’s professional opinion as to: (a) the optimal size (MW), type(s), and configuration of emergency electric generating capacity and the optimal configuration of the facilities behind the WTP meter, including distribution lines and buses, to serve the existing and reasonably anticipated load at the WTP during grid outage events of undetermined length, taking into account the need for generation reliability, capital expenditures, O&M costs, fuel supply, and all other pertinent operational and financial factors, and (b) the cost and feasibility of installing automated switching capability to switch the electric service to the WTP from a primary line from one substation to a secondary line capable of serving the WTP from another substation.

The types of backup generation types to be evaluated should include diesel generators, reciprocating internal combustion engines, and fuel cells. In addition, PWC plans to install a

1.5 MW fuel cell at the WTP site primarily for the purpose of exporting electricity to PWC's distribution grid and achieving compliance with environmental requirements. The evaluation and report will address the configuration of the emergency electric generation facilities (a) with and without the fuel cell available to serve as part of the emergency electric generation configuration; and (b) with and without the full retirement of the existing diesel generators. Upon PWC's acceptance of the completed report, the firm may be asked to prepare designs and assist PWC in publishing one or more requests for bid to purchase and install electric generating capacity and construct other modifications needed to provide optimal emergency electric generating capacity to the WTP during grid and substation outages.

Submissions in response to this RFQ should detail the submitting firm's relevant experience and capabilities regarding the design and implementation of SCADA systems for gas delivery and electric generation.

Submissions must also include unit price information for the services to be provided.

Site Location

The Hoffer Water Treatment Plant site is located at 508 Hoffer Drive, Fayetteville, NC 28301.

Experience Required

Thorough knowledge of available technologies and operation of electric generation to serve critical utility infrastructure that must remain operational at all times.

Term of Agreement

The work is anticipated to begin August 2022 may continue through February 2023 or beyond.

Submissions

Interested firms possessing the necessary expertise to perform the scope of work outlined in the RFQ are encouraged to submit a Statement of Qualifications for this project according to the following requirements.

Qualification Statement Requirements

The qualifications statement must consist of the following information, tabbed as identified and in the order indicated below:

Section 1 – Letter of Transmittal (maximum of two (2) pages)

- Firm name, year established, address, telephone number, fax number, and primary contact person.
- Provide copies of Certificates of Insurance showing General Liability and Professional Liability Coverage (Certificate of Insurance will not count towards page limit)
- State any conflicts of interest your firm, or any key individuals of the firm, may have with the project or PWC.

Section 2 – Personnel

- Specify professional qualifications of key management and staff personnel to be assigned to the project. *Note: Substitution of other personnel after the selection is made must be approved by PWC.*
- Identify specialty, level of expertise, education, and any direct work experience on projects similar in scope to the one being proposed.
- Identify personnel to be used that are located in an office in the State of North Carolina.

Section 3 – Consultants/Sub-consultants/Other Participants

- Provide a list of consultants who would be retained to provide services on the project. Provide a synopsis for each to include size of staff, names of key personnel and services to be provided, as well as past experience and North Carolina office location.
- Specify the percentage of work anticipated to be attributed to these consultants.
- Identify personnel to be used that are located in an office in the State of North Carolina.

Section 4 – Past Experience

- Document expertise in those specific engineering tasks and/or technologies required to successfully complete the scope of work associated with the project.
- Provide a brief description of similar projects completed in the last 5 years.
- Provide names and contact numbers for references for similar projects.
- Provide information about the Firm's operating history

Section 5 – Project Approach and Understanding

- Include a listing and description of each phase of the project and identify key staff who will be assigned to each phase of the project.
- Describe proposed processes for managing and completing projects of a similar nature
- Provide a proposed schedule for completing the work.
- Describe the proposed project management approach, quality control measures, and any alternative engineering methods
- Describe why your firm should be selected.

NOTE: The qualifications report shall be limited to a maximum number of one hundred (100) standard typewritten pages (8 ½" x 11", font size 10 or larger. This page limit includes the tabs and/or other dividers. Also note that double-sided pages will be counted as two pages. Packages which exceed the page limit may be rejected as non-compliant.

AWARDING OF PROJECTS

PWC will consider and evaluate Statements of Qualifications in accordance with N.C.G.S. § 143-64.31. Statements of Qualifications will be reviewed by a committee composed of PWC personnel. Qualification packages will be ranked based on this review, which will consider the criteria as described above. PWC reserves the right to interview one or more qualified firms regarding the qualification packages before selecting the firm or firms deemed best qualified. PWC reserves the right to select one (1) or more firms to complete the projects and will attempt to negotiate service agreements with the highest ranked firm or firms. Should the parties be unable to reach an agreement, PWC reserves the right to continue scope and fee negotiations with the other firms, in order of their proposal rankings. PWC further reserves the right to reject any or all submittals.

SUBMITTAL OF QUALIFICATION STATEMENT

Interested firms shall submit a total of seven (7) copies of their Statement of Qualifications no later than **3:00 p.m., July 8, 2022.**

Qualification packages should be mailed or delivered to:

Fayetteville Public Works Commission
Attention: Tanga Anderson-Solomon, Senior Procurement Advisor
955 Old Wilmington Road
Fayetteville, North Carolina 28301

Questions regarding this Request for Qualifications shall be submitted in writing via email to the attention of **Tanga Anderson-Solomon, Senior Procurement Advisor** at Tanga.anderson-solomon@faypwc.com. All questions must be submitted no later than **4:00 p.m., July 1, 2022.**

E-VERIFY

The submitting firm (the “Firm”), if selected, must execute a service agreement that (i) acknowledges that “E-Verify” is the federal E-Verify program operated by the US Department of Homeland Security and other federal agencies which is used to verify the work authorization of newly hired employees pursuant to federal law and in accordance with Article 2, Chapter 64 of the North Carolina General Statutes; (ii) acknowledges that all employers, as defined by Article 2, Chapter 64 of the North Carolina General Statutes, must use E-Verify and after hiring an employee to work in the United States, and shall verify the work authorization of the employee through E-Verify in accordance with NCGS §64-26(a); (iii) pledges, attests and warrants through execution of a the service agreement that the Firm complies with the requirements of Article 2, Chapter 64 of the North Carolina General Statutes; and (iv) further pledges, attests and warrants that any subcontractors currently employed by or subsequently hired by the Firm shall comply with any and all E-Verify requirements. Failure to comply with the above requirements would be a breach of the service agreement.

IRAN DIVESTMENT ACT

As mandated by N.C.G.S. 143C-6A-5(a), the Firm hereby certifies that it is not listed on the Final Divestment List created by the North Carolina State Treasurer pursuant to N.C.G.S. 143C-6A-4. The Firm further certifies that in accordance with N.C.G.S. 143C-6A-5(b) that it will not utilize any subcontractor found on the State Treasurer's Final Divestment List. The Firm certifies that the signatory to this submittal is authorized by the Firm to make the foregoing statement.

Trade Secrets, Confidentiality, Non-Disclosure

Public disclosure of the contents of all submittals received in response to this Request for Qualifications is governed by the North Carolina General Statutes, specifically Chapter 132. Chapter 132 authorizes PWC to withhold from public inspection and copying legitimate and properly marked information that meets all the criteria in §132-1.2 as follows:

- a. Constitutes a "trade secret" as defined in G.S. 66-152(3).
- b. Is the property of a private "person" as defined in G.S. 66-152(2).
- c. Is disclosed or furnished to the public agency in connection with the owner's performance of a public contract or in connection with a bid, application, proposal, industrial development project, or in compliance with laws, regulations, rules, or ordinances of the United States, the State, or political subdivisions of the State.
- d. Is designated or indicated as "confidential" or as a "trade secret" at the time of its initial disclosure to the public agency.

In accordance with the requirements of Chapter 132, should the submitting Firm determine that any information provided in response to this RFQ meets the criteria defined in the statute, the firm shall, at the time of submission to PWC, clearly mark the particular record, or portion of the record as "Confidential" or "Trade Secret". Only the portion of the submittal meeting the requirements of §132-1.2 may be marked in this manner. Non-disclosure statements or confidential statements which encompass the entire submittal shall not be accepted.

Each Firm which submits a qualifications statement agrees that PWC may reveal all information in the submittal, including information designated as "confidential" or "trade secret", to any or all PWC staff or third parties who serve on the evaluation committee. Furthermore, each Firm agrees to indemnify and hold harmless PWC, its officers, employees, and agents from all costs, damages, and expenses incurred in connection with refusing to disclose any material which the Firm has designated as a trade secret.