

**REQUEST FOR QUALIFICATIONS**  
**WATER TREATMENT PLANT ENGINEERING DESIGN SERVICES**  
**2021 Water System Projects – Part III**

BACKGROUND AND PURPOSE

The Henderson Water Utility (HWU) is soliciting this **Request for Qualifications (RFQ)** from qualified firms licensed to provide engineering services in the Commonwealth of Kentucky for the design of water system improvements required at the North Water Treatment Plant, 510 North Water Street, Henderson, 42420.

The North Water Treatment Plant (NWTP) is rated at 12.0 million gallons per day (MGD), and serves the City of Henderson, areas just outside the City limits, and several large customers. The plant was constructed in 1961 and renovated in 1989 and 2014.

In late October, the plant's high service pumps (circa 1988) experienced catastrophic failure. High service pumping is now being provided by a temporary electric pump, supplemented by a portable diesel pump. As a result, HWU wishes to quickly design and execute project(s) to acquire equipment & renovate the High Service Building, possibly including the following items:

- 1) Replacement of the two, 11 MGD high service pumps and motors, and associated check valves, including piping modifications. An extra pump may be acquired as a backup.
- 2) Equipping these new pumps with variable frequency drives (VFDs), to be contained in an air-conditioned, de-humidified space within the existing building.
- 3) Replacement of the backwash pump and motor.
- 4) Renovations to the High Service Building, including HVAC upgrades, electrical demolition and upgrade to remove electrical equipment from possible exposure to water, replacement windows and doors, and demolition of Low Service piping.
- 5) SCADA upgrades.

Services provided for the projects may include the following, as applicable:

- Project kickoff meeting with HWU for proper identification of project scope and alignment of expectations.
- Prepare and update project cost estimates at preliminary design report, 80 and 100 percent milestones, including recommendations for contingency.
- If determined to be desirable and feasible, provide technical specifications for separate equipment procurement, which will allow equipment items to be procured and delivered, while final plan development is ongoing. Equipment to be acquired will include pumps, motors, check valves and VFDs, and associated components.
- Provide all sub-consultant services necessary including structural, geotechnical, electrical, and/or mechanical engineering.
- Obtain plan and specification approval from the Kentucky Division of Water and any other necessary approvals.
- Provide Bidding & Award and Construction-Related Engineering Services.
- Full-time Construction Inspection services may be provided as an optional item.

- Prepare As-Built drawings and State Certification upon final completion of the project.
- Provide warranty inspection 11 months after project completion.

Response should be both thorough and concise, detailing experience, personnel, and references relevant to water treatment plant design. Engineering firms that have not provided ongoing evaluation and design services for water treatment plants in Kentucky for a period of at least five years need not apply. MOR's for the plant are available on our website.

#### EVALUATION CRITERIA

Statements of Qualifications will be evaluated on the following criteria:

- Experience – Ability to satisfy the technical components of this work. A key area of interest to HWU is the ability to execute an equipment procurement bid and contract award in an expeditious manner.
- Similar Projects – verifiable experience on similar projects in the last five years including project location, date, description, actual cost, time to completion.
- Resumes – information on personnel to be assigned to this work.
- References – client contact information.
- Project Approach and Schedule – Provide a narrative of the firm's approach to the project and the proposed design effort. Include a project schedule based on a notice to proceed 10 days from the date the SOQ is due. Include a discussion of an expedited equipment procurement phase that anticipates bid documents for the identified equipment items being delivered ~ 60 days after notice to proceed with design.

#### SELECTION PROCESS

The selection process will include an evaluation by staff of the Henderson Water Utility, who will make a recommendation to the Henderson Water and Sewer Commission.

Interested firms should submit five copies of their Statement of Qualifications to Henderson Water Utility, 111 Fifth Street, Henderson KY 42420.

**Statements of Qualifications must be received no later than 4:00 p.m., 10 November 2021.**

Questions related to this Request for Qualifications should be directed to Tom Williams, P.E., 270.826.2421, or at [tom.williams@hkywater.org](mailto:tom.williams@hkywater.org).

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RFQ's, Clarifications and Addenda may be obtained from:

HWU website: <http://tinyurl.com/hwu-bids>

HWU Bobby Gish Administration Building: 111 Fifth Street, Henderson, KY 42420

The Water and Sewer Commission reserves the right to accept or reject any or all proposals in whole or in part and to waive informalities and/or technicalities. Conflicts of interest, gratuities, and kickbacks as defined and provided for in KRS 45A.455 are absolutely prohibited.