

Request for Qualifications and Proposals (RFQ/RFP)

Terminal Pumping Station – Modification of Owner-Procured Engineering Report to Include Screening Improvements Project

The Binghamton-Johnson City Joint Sewage Board (BJCJSB) will be receiving qualifications and sealed proposals for preparation of modifications to an Owner-procured Engineering Report in order to address potential modifications to the existing channel grinders at the Terminal Pumping Station (TPS) so as to replace them with a wastewater screening system located at the TPS at 3936 Gates Road, Vestal, New York 13850. The TPS is jointly-owned by the City of Binghamton [54.8%] and the Village of Johnson City [45.2%].

The TPS was constructed in the mid-1960s, is the only pumping station operated and maintained by the BJCJSB in the service area tributary to the Binghamton-Johnson City Joint Sewage Treatment Plant (JSTP), and conveys wastewater flows from the Village of Johnson City (which includes flows from DEC-permitted combined sewers) and portions of the Towns of Dickinson, Union, and Vestal to the JSTP. Channel grinders are the current mode of screenings control [? solids treatment], and the BJCJSB is considering undertaking a project to replace the grinders with an alternate screening technology with means to collect, dewater and load screenings into a dumpster/roll-off container. The BJCJSB's Owners previously procured an engineering report for *TPS improvements* in October 2018 which recommended against replacement of the channel grinders with mechanical bar screens due to "limited space available and the high costs associated with this work", and the selected consultant may utilize this report as a reference. The modification of the Owner-procured Engineering Report sought by this RFQ/RFP will address the following:

- Investigation of available solids removal screening technologies suitable for the site.
- Recommended screen-opening spacing relative to types of debris encountered at the TPS site and upstream/downstream hydraulic conditions.
- Presentation of technology options inclusive of an analysis of relative benefits, installation costs, and O&M costs (including projected personnel time requirements) in comparison to the existing channel grinders.
- Feasibility of installation of the selected screening technology within the existing channels at the TPS including evaluation of flows, screen types and features suitable for the installation and coordinated with ongoing O&M programs.
- Replacement of associated channel gates.
- Installation of a screening compactor and associated building extension to house a roll-off container for screenings collection.
- Associated structural, architectural, instrumentation, remote CCTV, and MEP improvements to support the existing and expanded screening area and in compliance

with applicable State and Local building codes, as well as the Town of Vestal's floodplain management requirements.

- Site/civil improvements associated with the recommended work.
- Federal, State and Local permitting requirements.
- Capital and O&M costs for the proposed improvements.
- Identify funding opportunities including possible federal, NYS-EFC, NYS-DEC, NYSEDA energy reduction grants and associated submission requirements.
- Report to be prepared per NYS-EFC Engineering Report format, suitable for inclusion in future grant funding applications.

Minimum scope of work to include the following:

- In person kick-off meeting and site visit with key project personnel.
- Review and evaluation of design documents and reports for the TPS.
- Review and understand the NYS-DEC SPDES Permit requirements as to the TPS and its permitted Emergency Bypass.
- Review and understand the Town of Vestal's floodplain management requirements (including Article IV to Chapter 6 [Environmental Conservation] of the *Code* of the Town of Vestal). The highest adjacent (finished) grade next to the TPS is lower than the Base Flood Elevation.
- Development of the modification to the Owner-procured Engineering Report and submit in Draft and Final form. Provide electronic and hard copies of submittals.
- In person review meeting of Draft Engineering Report modification comments.
- Minimum M/WBE participation of 30% (a requirement for Owner financing and/or some grant funding opportunities).

Procurement of this engagement is subject to the provisions of Section 12(D)(ix) of the Owners' *Intermunicipal Agreement* governing the Binghamton-Johnson City Joint Sewage Facilities, authorizing the BJCJSB to procure and retain consulting engineers, subject to the requirement that "the contract of retainer shall first be approved by each [Owner] party by at least a majority vote of the voting strength of its governing body."

The goal of the BJCJSB in pursuing procurement of this engagement is to present the proposed modification to the Owner-procured Engineering Report to the TPS's Owners so as to obtain their approval for modification of the October 2018 Engineering Report.

Proposals to be submitted to (INSERT [name]) by (INSERT [date/time]) and the BJCJSB will select the Consultant with the best qualified proposal. (Selection should be based on evaluation of qualifications, before unsealing the proposal submitted under seal).

Additional information, requirements from BJCJSB. (per BJCJSB standard form RFQ/RFP, include the selection process/criteria [i.e., in lieu of above paragraph])