

BRUNSWICK AND TOPSHAM WATER DISTRICT
REQUEST FOR QUALIFICATIONS
ENGINEERING AND DESIGN SERVICES
JACKSON STATION AND ADMINISTRATION FACILITIES

The Brunswick & Topsham Water District is now accepting qualifications from engineering firms for the design of a 4.0 MGD treatment and administration facility. Services would include but are not limited to site design, treatment selection and design, architectural design and construction management.

Proposals will be evaluated according to the following criteria: a) Demonstration of experience and capability of the firm; b) Demonstration of qualifications of professional personnel; c) Demonstration of past record of performance and experience with project cost, cost control, work quality, and ability to meet schedules, and d) Organization, thoughtfulness, creativity and compendious nature of the qualification package.

Sealed packages plainly marked "Qualifications for Design Services for the Jackson Station and Administration Facilities" on the outside of the mailing package will be accepted until 2:00 p.m. on June 1, 2017 at the Jackson Station, 266 River Road in Topsham, Maine. Packages should include twelve (12) copies of the qualification submittal. There is no format requirement for the submittal.

PROJECT BACKGROUND

The Jackson Station Facility was constructed in 1971. It includes treatment (5,000 ft²), administration (10,000 ft²) and operation facilities (7,000 ft²). The building needs to be replaced in its entirety. The District intends to keep the current facility operational while the replacement facility is constructed on recently acquired land directly abutting the current property.

A space needs assessment was completed for District operations in 2012 which estimated that the new facility would encompass 34,000 ft² to meet the stated needs of the District. This would replace the current treatment, administration and operation facility.

The existing treatment facility removes iron and manganese via an intermittently regenerated greensand filtration process, but has no provisions for removal of total organic carbon. The total organic carbon in the water is of concern for the District due to the formation of total trihalomethanes in the distribution system.

To investigate alternative treatment schemes, the District has contracted with Blueleaf Inc., Charlton, MA to jar test and pilot possible treatment approaches. These approaches focused on the coagulation of the TOC to remove the precursors to provide a water with 50% less simulated total trihalomethanes formation than the current process. These reports will be made available to the firms selected from the qualification process to submit project proposals once the pilot reports are completed.

The District is also considering building the new facility with provisions to allow for treatment of water from Taylor Station, the sister station to Jackson Station on the opposite riverbank. Blueleaf Inc. will conduct piloting at that facility to see if blending of the waters is amenable.

QUALIFICATION EVALUATION CRITERIA

Demonstration of experience and capability of the firm	20 points
Demonstration of qualifications of professional personnel	20 points
Demonstration of past record of performance and experience with project cost, cost control, work quality, and ability to meet schedules	20 points
Organization, thoughtfulness, creativity and compendious nature of the qualification package	40 points

SELECTION PROCESS

A committee that includes trustee and staff will be used to evaluate qualifications and select 2-5 engineering consultants to be shortlisted for submitting project proposals. Shortlisted firms will be provided piloting data from the District’s piloting consultant Blueleaf and access to the District’s records and Engineering Department personnel.

PROPOSED SCHEDULE

Pilot Scale Testing of Treatment Options	Mar 2017
Select firms to submit project proposals	Jul 2017
Select firm to perform project	Oct 2017
Preliminary Design Report	Jun 2018
Bidding and Contract Specifications and Plans	Sept 2019
Receive Bids for Construction	Jan 2020
Begin Construction	Apr 2020
Move Operations into new Facility	Aug 2021
Tear Down Old Facility	Apr 2022

ADDITIONAL INFORMATION

If you have any questions please contact the Assistant General Manager, Craig Douglas, PE via email at cwdouglas@btwater.org or via phone at: 207-729-9956.