



REQUEST FOR QUALIFICATION FOR PROFESSIONAL SERVICES

*2023 Water System Rehabilitation Project*

*2023 Sewer Main Improvements Project*

TOWN OF BEECH MOUNTAIN, NORTH CAROLINA

10/7/2023

Town of Beech Mountain

403 Beech Mountain Parkway

Beech Mountain, NC 28604

(828) 387-4236

[www.townofbeechmountain.com](http://www.townofbeechmountain.com)

## Request for Qualifications for Professional Services

October 7, 2023

Attention: Qualified Consultants for Engineering Service

RE: Request for Qualifications for Professional Services

Dear Engineers,

Please be advised the Town of Beech Mountain is seeking proposals from qualified engineering firms to perform professional services related to the design and construction of the project will address failing water distribution mains (2" and 4" galvanized steel pipes with leaking joints and service line connections) by replacing them with approximately 40,500 linear feet of 6" ductile iron water mains. The location will be along various streets in the Town. The primary purpose of the project will be to reduce water loss.

This project will also address infrastructure that is failing due to age. It will address these issues by replacing the Parkway BPS (including the building), replacing the Meadows BPS (excluding the building), and adding a standby generator at the Meadows BPS. The capacity of the new pumps to be installed in Meadows BPS will be increased to meet the current system demand within a reasonable number of pumping hours per day.

This project will also include improving a major portion of the collection system tributary to the Pond Creek WWTP, approx. 5000 LF of gravity pipe and rehab of 100 manholes. Improvements will involve repair, rehabilitation, and replacements as needed to restore original system function and reliability. The proposed project consists of completing investigations and assessments to determine asset conditions and rehab/repair recommendations. This includes completing manhole (MH), smoke test, and CCT inspections. It also includes reviewing photos taken of buried manholes from a previously completed mapping project. Asset construction improvements include pipe rehab with cured-in-place-pipe (CIPP), pipe replacements, pipe spot repairs, tap replacements, MH rehab/repairs (cementitious lining, replace/raise/reseal frame/cover, grout leaking joints, etc), and repairing observed smoke defects.

Experience with projects funded through the NCDEQ Division of Water infrastructure is preferred.

Please note RFQ submissions are due at the Beech Mountain Town Hall, no later than November 7<sup>th</sup>, 2023, by 5:00 P.M to the address below:

TOWN OF BEECH MOUNTAIN  
403 BEECH MOUNTAIN PARKWAY  
BEECH MOUNTAIN, NC 28604  
ATTENTION: ROBERT PUDNEY

The Town of Beech Mountain reserves the right to reject any and all proposals, negotiate with the best qualified firm regarding fees and/or the scope of services or postpone the decision for an indefinite period.

Sincerely,

Robert Pudney  
Town Manager

## Request for Qualifications for Professional Services

### ADVERTISEMENT



### TOWN OF BEECH MOUNTAIN, NORTH CAROLINA

#### Request for Qualifications for Engineering Services

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The Documents regarding the Town's request for qualifications follow.

Experience with projects funded through the NCDEQ Division of Water infrastructure is preferred.

Copies of the request for qualifications may be obtained from the Town's website at [www.townofbeechmountain.com](http://www.townofbeechmountain.com) or by email to [bmus@townofbeechmountain.com](mailto:bmus@townofbeechmountain.com). Questions regarding this RFQ or concerning the scope of work for this project should be submitted to Daniel Davis at [bmus@townofbeechmountain.com](mailto:bmus@townofbeechmountain.com) or by telephone at (828) 387-9282. RFQ submissions are due at the Town of Beech Mountain Town Hall no later than November 7<sup>th</sup>, 2023, by 5:00 P.M. The Town of Beech Mountain reserves the right to reject any and all proposals, negotiate with the best qualified firm regarding fees and/or the scope of services or postpone the decision for an indefinite period.

## Request for Qualifications for Professional Services

- 1.0 Background
- 2.0 Scope of Work
- 3.0 Please be advised the Town of Beech Mountain is seeking proposals from qualified engineering firms to perform professional services related to the design and construction of the project will address failing water distribution mains (2" and 4" galvanized steel pipes with leaking joints and service line connections) by replacing them with approximately 40,500 linear feet of 6" ductile iron water mains. The location will be along various streets in the Town. The primary purpose of the project will be to reduce water loss. Real water loss is estimated to be 67% of the water produced at the treatment plant, based on the 2022 AWWA water audit. The service connections, which are responsible for a significant portion of the water loss, will also be replaced. Approximately six (6) pressure reducing valve stations will be installed, where feasible, to create new pressure zones with lower operating pressures. The purpose will be to reduce leakage rates.

This project will also address infrastructure that is failing due to age. The Parkway booster pump station (BPS) and the Meadows booster pump station are both more than 20-years-old and have more frequent failures. The 208-volt power supply is not efficient. The building for the Parkway BPS is deteriorated and is too small. The Meadows BPS has no alternative power source. The capacity of the Parkway BPS is sufficient (approximately 450 gpm), but the Meadows BPS is about half that capacity and has excessive run times. Project will address these issues by replacing the Parkway BPS (including the building), replacing the Meadows BPS (excluding the building), and adding a standby generator at the Meadows BPS. The capacity of the new pumps to be installed in Meadows BPS will be increased to meet the current system demand within a reasonable number of pumping hours per day.

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The goals of the project are to:

Reduce infiltration/inflow (I/I) and blockages due to deficient assets that cause SSO's or cause permit violations at the Pond Creek WWTP. Notices of violation (NOV's) have been issued to the Town due to the SSO's.

Protect the WS-II and WS-III waters by locating and correcting defective assets, upstream of Lake Santis and Lake Coffey (the future water intake locations). Therefore, the proposed project includes finding and fixing the defective assets responsible for SSO's in the water supply watersheds. A water system project is in the planning stage that will combine the two lakes into a reservoir that will serve as a secondary water source for the Town of Beech Mountain.

Documents regarding the Town's request for qualifications follow.

- a. Administer the Construction Contract(s)
- b. Provide Inspection Services during construction (full time, part time or periodically) as may be required.

## Request for Qualifications for Professional Services

### 4.0 Submittal Information Requested from Potential Firms

In order for your firm to be responsive, your submittal must include the following:

- Description of the Project Team
- Resumes of Key Personnel
- Engineering and Environmental Permitting Approach
- Team Experience with Similar Projects – Brief project description, client, contact information, original and final budget, principal-in-charge.
- Rate Schedule for Firm's Key Staff and Sub-Consultants

### 5.0 Selection Process

The Town of Beech Mountain Town Council has the ultimate responsibility for selecting the best qualified firm/team and entering into a contract for services. The evaluation criteria is included in Attachment A

### 6.0 Additional Information

Questions regarding this RFQ or concerning the scope of work for this project should be submitted to Daniel Davis, Director of Public Utilities, by phone (828) 387-9282 or by email at [bmus@townofbeechmountain.com](mailto:bmus@townofbeechmountain.com).

RFQ submissions are due at the Beech Mountain Town Hall no later than November 7<sup>th</sup>, 2023, by 5:00 P.M Fees for professional services and contract terms will be negotiated after identification of the best qualified firm/team.

The Town of Beech Mountain reserves the right to reject any and all proposals, negotiate with the best qualified firm regarding fees and/or the scope of services or postpone the decision for an indefinite period.

Request for Qualifications for Professional Services

ATTACHMENT A

EVALUATION FORM:  
TOWN OF BEECH MOUNTAIN  
REQUEST FOR QUALIFICATIONS (RFQ)

Proposals will be independently evaluated according to the following criteria by the Town of Beech Mountain:

EVALUATION CRITERIA	VALUE	ASSIGNED VALUE
I. QUALIFICATIONS a. Qualification of the firm individuals and subcontractors assigned to the project b. Education background and training c. Quality Control	20	
II. EXPERIENCE a. Recent experience in similar work b. Meeting time and budget constraints c. Previous contracting experience with government entities similar to Town of Beech Mountain d. Demonstration of minimization of change orders e. Litigation experience f. Largest dollar amount project g. Number of projects at this time	20	
III. CAPABILITIES a. Current and projected workload; ability and capacity to perform services in a timely manner b. Familiarly with project c. Approach to the work required d. Contractual relationship with local firms e. Any other additional information regarding the firm's capacity	50	
IV. PROXIMITY OF THE FIRM'S OFFICE TO THE TOWN	5	
V. MINOR BUSINESS a. Certified Minor – Assign Value of 5 b. Non Certified – Assign Value of 0	5	