



REQUESTS FOR PROPOSALS

PREDICTIVE MAINTENANCE SERVICES

CITY OF GASTONIA

PUBLIC UTILITIES DEPARTMENT

1. Purpose

The City of Gastonia (the “City”) is soliciting proposals from qualified vendors to provide professional predictive maintenance (“PdM”) services in support of the City’s water supply and treatment facility and pump station equipment. The work defined in the scope of services is for all materials, labor, personnel, technologies, and equipment necessary to complete the PdM services requested on their designated frequency schedules defined in Attachment A.

The objective of this contract is to provide the City with PdM services that will be cost-effective and reduce equipment downtime given the obtainment of information on the actual condition of the equipment. The City seeks a three-year contract, with options for two one-year extensions at the discretion of the City. It is the intent of the City that implementation of this contract will take place on February 1, 2026.

2. Submission Requirements

Proposals will be received by the City up to the time stated in this document. At that point the City will close the receipt of proposals and begin the evaluation process. Proposals must be signed with the firm’s name and by an officer or employee having the authority to bind the company or firm by his/her signature.

Proposers must specifically identify portions, if any, of their proposal deemed confidential, proprietary or trade secrets. Vendors must be prepared to justify which information should not be disclosed upon request.

A pre-proposal site visit is optional for vendors that would like to visually inspect the equipment listed in Attachment A. The site visit will be conducted on December 1, 2025 from 9:00 am to 2:00 pm, beginning at the Water Supply and Treatment Plant. If you wish to attend the site visit, please reach out to Tim Hall at timh@tworiversutilities.com with a name and contact of the vendor’s representative who will be attending.

Questions will be accepted until the cutoff date of 5:00 pm on December 8, 2025. Submitters are responsible for monitoring the City of Gastonia’s website, at

<https://gastonianc.gov/doing-business/bids-rfps>. If there are further questions, please contact Tim Hall at timh@tworiversutilities.com.

Proposals must be submitted electronically as a single PDF to Tim Hall by email to timh@tworiversutilities.com with a subject line that clearly indicates a response to this RFP. If an addendum is issued, the proposal must clearly acknowledge the addendum. Proposals must be received by 5:00 pm on December 19, 2025. Any proposal missing information required in Section 7 Proposal Format or received after the deadline will be disqualified.

3. Award of Contract

The City reserves the right to reject any and all proposals. The City reserves the right to request oral interviews or request additional written information from any and all vendors.

The City reserves the right to select the bidder that best demonstrates the capability to meet the needs of the City. Negotiations may be undertaken with the vendor whose proposal demonstrates them to be the most qualified, responsible and capable of providing these services. Proposals will be evaluated in terms of qualifications, experience, capabilities, technical approach, costs and compliance with proposal requirements.

If the City is unable to negotiate a satisfactory agreement with the highest ranked proposer, negotiations with that proposer will be terminated and the City will decide whether to open negotiations with the second-ranked proposer, to reject all proposals and re-advertise, or terminate further consideration of all proposals.

4. Suspension and Termination

The City reserves the right, in its best interest as determined by the City, to cancel the contract by giving written notice to the Contractor thirty (30) days prior to the effective date of such cancellation. In the event of such termination, any services completed by the Contractor under this contract to the satisfaction of the City shall be entitled to receive equitable compensation.

5. Background

The City of Gastonia / Two Rivers Utilities (TRU) manages and provides water services to approximately 100,000 residents of Gastonia, Cramerton, Bessemer City, McAdenville, High Shoals, Ranlo, Stanley, and Clover, S.C., along with portions of Lowell, Belmont, Dallas, and Kings Mountain. The water treatment facility processes about 5 billion gallons of water per year.

The Mtn. Island Raw Water Pump Station began operation in 1994; and provides 20 million gallons a day of raw water to the Gastonia/TRU Water Supply and Treatment plant. Raw water travels through 15 miles of piping before being treated.

The Rankin Lake Raw Water Pump Station draws from an 80-acre reservoir that serves as a backup water supply for the Water Treatment Plant. This station has the capacity to deliver up to 40 million gallons per day (MGD) to the plant when needed.

The resulting Scope of Service for the proposing vendor includes PdM services for specified equipment at the Water Supply & Treatment Plant as well as two pump stations. The City will provide a qualified medium-voltage electrician, as needed during inspection periods, to de-energize equipment

A complete Scope of Services is contained in Attachment A.

The addresses of the locations are as follows:

Location	Address
City of Gastonia Water Supply & Treatment Plant	250 W. Long Ave. Gastonia, NC 28052
Mtn. Island Pump Station	400 Mountain Island Rd. Mount Holly, NC 28120
Rankin Lake Pump Station	1800 Rankin Lake Rd. Gastonia, NC 2852

6. Insurance Requirements

The City will require the contractor to hold professional liability insurance of at least \$1,000,000 for each claim.

The certificate must also include commercial general liability insurance covering bodily injury and property damage with limits of not less than \$2,000,000 per occurrence, and at least \$2,000,000 aggregate; or the equivalents utilizing excess or umbrella coverage.

In addition, the certificate must include employer's liability insurance (worker's compensation) in accordance with statutory requirements with limits of not less than \$100,000 for each accident.

Further, projects requiring the contractor to drive onto City property or to use the contractor's vehicles on City property will require auto liability insurance, which must cover bodily injury and property damage liability on all owned, non-owned, and hired vehicles for a limit of not less than \$2,000,000 per occurrence, or the equivalent utilizing excess or umbrella coverage.

When the contractor and/or its employees have access to monies or properties of the City, the contractor will provide a fidelity bond at a limit of not less than \$50,000 (depending on where the contractor will be working).

The City must be named as additionally insured on the insurance certificate for all coverage, except professional liability.

In addition, the contractor must indemnify and save harmless the City of Gastonia, its officers, agents, and employees from any claims arising out of any work performed for the City or on City property.

7. Proposal Format

A. Introduction

Vendor shall submit a brief introduction of their firm. This information must address the company's experience in predictive maintenance services, availability of resources for this project, the location from which services would be based and key personnel to be assigned to these services. Any pending litigation that may have a material impact to the company's financial standing and/or performance on this project, any judicially determined defaults, bankruptcies, and liens in the last 10 years must also be included.

B. Qualifications

Vendor shall provide a general overview of the company including:

- Brief history of the company including mission and structure.
- Date established.
- Ownership (public, partnership, subsidiary, etc.)
- Vendor shall provide documentation demonstrating their capability and experience in the management of projects of similar size, volumes and scope.
- Vendor shall describe any subcontractors needed to fulfill the Scope of Services in Attachment A.
- Vendor shall describe their additional resources/capabilities that may be committed to the support the service.
- Documentation showing the vendor meets the City's insurance requirements.
- Vendor should describe their experience with ISO 14001 certified Environmental Management System (EMS) or equivalent programs.
- Vendor shall demonstrate their training program and written procedures.
- Vendor shall demonstrate their safety program and safety history.

C. Descriptions of Services to Be Provided

The vendor must provide descriptions of each of the four types of PdM services requested as follows: vibration analysis, infrared thermography, motor circuit analysis, and oil analysis. The descriptions shall include the minimum requirements that the vendor must meet to complete each service (i.e. type of equipment, calibration standards, technician qualifications, etc.).

D. References

Vendor shall provide three (3) municipal references to projects similar in scope and size. The references shall list the name of the organization, contact person's name, title, telephone number and email address.

E. Pricing Information

The Vendor shall submit proposed costs in an organized and complete manner, listing the semi-annual and annual service costs for each location separately. All costs associated with completion of the work must be included in the proposal; no additional fees or charges may appear on invoices that were not presented in the proposal. Invoices shall be generated within 30 days of completion of services and shall follow the approved pricing structure. All equipment and services from all locations shall be billed on a single consolidated invoice, with the costs for each location clearly itemized.

8. Reports

Reports following PdM services must be provided to the City within 15 working days of service completion. Separate reports shall be furnished for Water Treatment Plant equipment and for pump station equipment. The reports shall be sent electronically in PDF format and include status notes on each piece of equipment at each location, identifying any deviations/issues found and recommended corrective action steps. Any major finding that would require immediate action must be reported at the time of the detection to the appropriate City representative.

Attachment A - Scope of Services

Predictive Maintenance Services

Facility	Equipment Type	Test	Frequency	Quantity	Note
Water Supply & Treatment Plant	High Service Distribution pump – Vertical Turbine	Vibration Analysis & Fluid Analysis	semi-annual	4	#1 - 4 (500HP), #5 (300 HP) 4160 Volts
	High Service Distribution pump – Centrifugal Horizontal Spilt Case	Vibration Analysis	semi-annual	1	
	High Service Distribution motors	Motor Circuit Analysis	semi-annual	5	
		Infrared Thermography	annual		
	1 st Stage Membrane Permeate pumps - Centrifugal	Vibration Analysis & Fluid Analysis	Semi-annual	4	#1-4 (50HP) 480 Volts, Allen Bradley VFD
	First Stage Membrane Permeate motors	Motor Circuit Analysis	semi-annual	4	
		Infrared Thermography	annual		
	Aerzen Package Blowers – Pumps and Motors	Vibration Analysis & Fluid Analysis & Infrared Thermography	Semi-annual	3	#1-3 (20HP)
	Wash Water Pump – Vertical Turbine	Vibration Analysis & Fluid Analysis	semi-annual	1	500HP 4160 Volts
	Wash Water Motor	Motor Circuit Analysis	semi-annual		
		Infrared Thermography	annual		
Mtn. Island Raw Water Pump Station	Mtn. Island Raw Water Pumps - centrifugal	Vibration Analysis & Fluid Analysis	semi-annual	5	#1 - 5, Goulds 500HP 4160 Volts
	Mtn. Island Raw Water - motor	Motor Circuit Analysis	semi-annual	5	
		Infrared Thermography	annual		
Rankin Lake Raw Water Pump Station	Rankin Lake Pump – Vertical Turbine	Vibration Analysis & Fluid Analysis	semi-annual	2	#1 – 400HP & #3 – 500HP
	Rankin Lake motor	Motor Circuit Analysis	semi-annual	2	
		Infrared Thermography	annual		

