Request for Information (RFI)

NGS N03 Circulating Water Pupm Replacement for JEA

RESPONSES REQUESTED BY **NOVEMBER 24, 2026 AT 12 PM EASTERN STANDARD TIME** TO:
yahot@jea.com

Introduction and purpose of the RFI

The purpose of this Request for Information (RFI) is to obtain information regarding supplier capabilities and available solutions for the replacement of circulating water pumps at JEA's Northside Generating Station (NGS). JEA is seeking information on technically compatible replacement solutions, including budgetary pricing, lead times, installation and interface requirements, spare parts, maintenance considerations, and technical support.

This RFI will assist JEA in evaluating the available market and developing an appropriate sourcing strategy for the replacement of one or potentially multiple N03 circulating water pumps.

This RFI is issued solely for informational and planning purposes and shall not be construed as a solicitation, commitment to purchase, or commitment to issue a future solicitation.

1 Background and Scope

1.1 Background

JEA owns, operates and manages the electric system established by the City of Jacksonville, Florida in 1895. In June 1997, JEA also assumed operation of the water and sewer system previously managed by the City. JEA is located in Jacksonville, Florida, where we proudly serve an estimated 470,000 electric, 351,000 water and 274,000 sewer customers. JEA is Florida's largest community owned utility and one of the largest in the United States.

1.2 Scope

JEA is researching the market in consideration of a potential future solicitation for the replacement of circulating water pumps at JEA's Northside Generating Station (NGS). JEA is evelauting available solutions for an immediate replacement as well as potential future N03 circulating water punp replacement.

JEA is seeking feedback from the supply market regarding technically compatible replacement solutions, supplier capabilities, budgetary pricing, lead times, installation and interface requirements, spare parts, maintenance considerations, and other factors that may inform JEA's technical specifications and future sourcing strategy.

JEA is particularly interested in understanding the feasibility of replacement solutions that meet or exceed the performance requirements of the existing pumps while without requiring modifications to existing infrastructure.

The existing pump is an Allis-Chalmers vertical column pump, Model 78 x 54 YDDVRM, operating in a marine environment. The replacement solution must be capable of meeting JEA's required hydraulic performance and applicable dimensional, material, interface and operational requirements described in this RFI.

Exceptions or alternatives to the identified technical requirements may be considered and should be clearly identified and explained in the Respondent's response.

2 Site Visit Schedule

As part of this RFI, JEA intends to provide Respondents an opportunity to conduct a site visit at the location below during the week of **October 19–23, 2026**. The site visit is intended to provide Respondents an opportunity to inspect the existing installation, verify dimensions and interfaces, and gather information necessary to assess the feasibility of a proposed replacement solution.

Respondents are requested to coordinate directly with the designated site contacts to schedule a mutually convenient date and time. Respondents should identify their preferred date and time when initiating contact. Site visits must be coordinated in advance and are subject to site availability and operational requirements.

Respondents are encouraged to use the site visit to verify dimensions and existing conditions to the extent reasonably possible. Following the site visit, Respondents should identify in their RFI response any remaining assumptions, measurements, dimensions, interfaces, or other information that would require verification by JEA prior to final design or manufacture.

Project Site: JEA Northside Generating Station
Address: 4433 William Ostner Road, Jacksonville, FL 32226

Site Contacts:

Michael Hiers
JEA Electric Production Project Management
hiermj@jea.com
Direct: (904) 665-8865
Mobile: (904) 718-7337

Michael Baldwin
JEA Electric Production Project Management
baldmp@jea.com
Direct: (904) 665-7628
Mobile: (904) 773-3138

Site Access Requirements:
For the site access, bidders are required to contact Michael Baldwin, or Michael Hiers, who will communicate what is required for the site visit.

3 General Instructions

Please note that this RFI is issued solely for the purpose of obtaining information and observing demonstrations of system applications. Nothing in this RFI shall be interpreted as a commitment on the part of JEA to enter into a contract with any respondent thereof to make any procurement.

3.1 Response Instructions

Response Submission

Respondents should submit an electronic copy of their response via e-mail to Tatsiana Yahorava at yahot@jea.com by November 24, 2026 by 12 PM Eastern Time. All responses must include on the first page the official name of the firm or entity submitting the response. Please consecutively number all pages of the response.

Response Content

Vendors should include a response to each of the questions set forth under Question and Vendor Responses (Section 5) of this RFI.

Response Format

JEA requests that all responses be submitted with a point-by-point response to each question listed in Section 5.1. If a respondent opts not to respond to any item(s) please include an explanation for the lack of response.

3.2 Contacts

Questions to this RFI may be e-mailed to:

Tatsiana Yahorava

Category Management Specialist
yahot@jea.com

4 Additional Information

4.2 **Requests for Additional Information** - JEA retains the right to request additional information from respondents.

4.3 **Cost Incurred -** By submitting a response, respondents agree that any cost incurred in responding to this RFI, or in support of activities associated with this RFI, shall be the sole responsibility of respondent. JEA shall not be held responsible for any costs incurred by respondents in preparing their respective responses to this RFI.

4.4 **Review Rights -** Responses to this RFI may be reviewed and evaluated by any person(s) at the discretion of the JEA, including independent consultants retained now or in the future.

4.5 **Public Record -** All responses to this RFI will be public record under the State of Florida's Sunshine Law regardless of confidentiality notices set forth on such writings to the contrary.

5 Questions and Vendor Responses

See General Instructions in Section 3 for information on response format and submission. **Note:** Please describe any assumptions you make in answering these questions as part of each response.

Respondents written response should address the following JEA asked questions listed below.

5.1 Company experience and capability:

1. Does your company design and/or manufacture vertical circulating water pumps comparable in size, capacity and service conditions to the pump described in this RFI?

   If yes, provide:

a. Number of years manufacturing comparable pumps.
b. Approximate number of comparable units manufactured or installed during the past five years.
c. Location(s) where the proposed equipment is manufactured.
d. Description of your engineering and field-service capabilities within the United States.

2. Provide at least three examples of comparable circulating water pump installations, preferably within electric utility/power-generation facilities and marine, brackish-water, or similarly corrosive environments.

For each reference, provide, to the extent available:

- Customer and facility;
- pump model and type;
- approximate flow and operating conditions;
- installation year;
- whether the installation replaced another manufacturer's equipment; and
- customer contact information.

3. Identify what portions, if any, of engineering, manufacturing, field verification, installation support, commissioning or other services would be subcontracted.

5.2 Technical Compatibility

4. Based on the specifications provided, can your company provide a pump that meets or exceeds the required performance of at least **70,000 GPM at 26 feet total dynamic head, 60°F and 391 RPM, with NPSHr not greater than 29 feet?**

5.3 Provide supporting information and identify any exceptions.

5. Describe the proposed pump configuration and identify any significant differences from the existing Allis-Chalmers 78 x 54 YDDVRM pump.
6. Based upon the information provided as a direct drop-in replacement without modifications to existing JEA infrastructure, utilizing the following existing equipment/interfaces:

a. Existing curb ring and bolt pattern.
b. Existing motor.
c. Existing shaft/motor coupling interface.
d. Existing discharge piping/interface.
e. Existing lifting/handling arrangements.
f. Existing bearing and seal-water systems.

Clearly identify any exceptions or modifications that would be required

7. Identify any field measurements, dimensional verification, scanning, engineering or reverse-engineering activities required before finalizing the proposed design.

8. Following the site visit and dimensional verification, describe the dimensional, fit-up, and interface guarantees your company would be prepared to provide. Clearly identify any dimensions, existing conditions, or interfaces that JEA would be required to verify or assume responsibility for.
9. Identify any exceptions or proposed alternatives to the materials specified by JEA. For each exception, provide the proposed material and technical basis for the alternative.
10. Describe the manufacturer's ability to provide guaranteed hydraulic performance across JEA's anticipated operating range, including pump head, efficiency, brake horsepower and NPSHr.

5.4 Instalation, Commissioning and Risk

11. Describe the field services available for dimensional verification, installation and alignment support, shaft/impeller adjustment, commissioning/start-up, performance testing, and post-installation troubleshooting. Identify any special tooling, lifting equipment, fixtures, or other specialized equipment required for installation or maintenance.

12. Identify any significant technical or installation risks associated with the proposed replacement solution and describe how those risks would typically be mitigated and allocated between the supplier and JEA.

13. Describe your standard approach if the manufactured pump does not properly interface with the verified existing installation or fails to achieve guaranteed performance.

5.5 Spare Parts and Maintenance

14. Provide a recommended spare-parts list and budgetary cost for supporting one installed pump. If JEA were to install multiple identical pumps, identify any additional spare-parts inventory that would be required.
15. Describe typical lead times and long-term availability for critical replacement parts, recommended maintenance intervals, expected service life, and any proprietary or manufacturer-specific tooling, software, components, or service requirements.

5.6 Budgetary Pricing

16. Provide budgetary pricing for the proposed replacement pump based on current market conditions, identifying major cost components including pump/equipment, engineering, testing, freight, commissioning/start-up support, special tooling, and recommended spare parts, as applicable. Commissioning support may be identified separately using applicable T&M rates. Clearly identify significant inclusions, exclusions, and assumptions.
17. Provide budgetary pricing per pump. Identify any quantity efficiencies for the purchase of multiple pumps and any engineering, tooling, spare parts, or other costs that would be incurred once versus repeated for each additional pump.

5.7 Scheduling and Manufacturing Capacity

18. Based on current market conditions, provide the estimated lead time from receipt of an order to:

a. completion of engineering and submittals;
c. manufacturing completion;
d. factory testing; and delivery to JEA.

19. Identify the primary factors currently affecting lead time and whether manufacturing capacity or production-slot constraints could materially affect the quoted schedule.

20. If multiple pumps were ultimately required, describe whether they could be manufactured concurrently or sequentially and the anticipated delivery schedule.

5.8 Warranty, Performance and Commencial Considerations

21. Provide your standard equipment warranty, including warranty duration and commencement.

22. Describe any performance guarantees offered for the proposed pump, including hydraulic performance, efficiency, workmanship and dimensional fit.

23. Identify any significant commercial, ordering, design, manufacturing, or installation considerations JEA should account for when developing a potential solicitation.

6 Technical Requirements

This document is intended to outline the requirements for specification of N03 circulating pumps such that a vendor could get a high-level assessment of our needs. JEA is looking for a single replacement pump that is equal or better than our current pump from a technical perspective to our existing Allis Chambers vertical column pump, 78 x 54 YDDVRM, in a marine environment. Please provide a budgetary cost estimate and timeline for delivery of a pump according to the following specifications. As a separate line item please provide budgetary pricing for spare parts. Exceptions to the specification will be considered on a line-item basis and should be clearly identified. Efforts will be made to evaluate the merits of the design in terms of maintainability and performance.

Dimensions:

- Vender is invited to verify dimensions and measurements for accuracy while we are in outage, and the pit is dry.
- Use the existing curb ring. The pump casing bolt pattern is to be an exact match to the bolt circle at the bottom of the curb ring. Mounting bolts are to remain the same.

- Match shaft coupling to motor threads.
- Match height of shaft above top of concrete @ 19.2" (Top on Conc. EL +9.0')
- Match height from top of concrete to the discharge piping axis @ 138" (CL of discharge piping EL -2.5')
- Match discharge of pump face to pump shaft axis distance @54".
- Distance from the lowest point of the suction bell to the pit floor is not to be less than the current installation @ 39"
- Discharge piping outer diameter is to be the same as the current installation @ 54.75" +.040/-.020" OD and 54.25" ID.
- Casing thickness is to match or exceed current installation.

Materials:

Materials are to match or be better than existing materials. Any deviations from current installation are to be called out for approval by JEA technical lead.

ITEM	DESCRIPTION	MATERIAL
1	SUCTION BELL	A743 CF3M
2	IMPELLER CONE	A743 CF3M
3	IMPELLER	A743 CF3M
4	DIFFUSER	A743 CF3M
5	PIPE COLUMN	A240 Type 316L
6	DISCHARGE ELBOW	A240 Type 316L
7	SHAFT	B164 Monel
8	ADJUSTABLE COUPLING	A668 CLD
9	GLAND	A743 CF3M
10	STUFFING BOX	A743 CF3M
11	PACKING	PTFE
12	BEARING HOUSING	A743 CF3M
13	BEARING	Rubber
14	SHAFT SLEEVE	A743 CF3M
15	INTER. SHAFT COUPLING	316 SS
16	IMPELLER RING	A717 CB7 Cu-1
17	DIFFUSER RING	T.B.D.
18	SHAFT RETAINING RING	Monel
19	ELBOW VANE	A240 Type 316L
20	MOTOR PEDESTAL	A48 CL 30 / A36
21	SHAFT TUBE	A240 Type 316L

Weight:

- Overall weight of the pump is not to exceed 33,000 lbs.

Connections:

- Inlet connection is to be suction bell mouth.

- Outlet connection is a dresser coupling.

Bearings and seal water:

- Bearing water flow is no greater than 10 gpm.
- Bearing water pressure required is no greater than 60 psig.
- Seal water flow is no greater than 2 gpm.
- Seal water pressure required is no greater than 25 psig.
- Low flow conditions are provided to JEA. Initial startup/Installation
- Commissioning support capabilities are to be communicated.
- Shaft impeller spacing adjustment procedures/capabilities are to be included.
- Shaft coupling procedures are to be included.
- Lifting yoke to lift pump from vertical and horizontal position are to be included.

Drawing/submittal requirements:

- Final assembly drawings.
- General arrangement drawings.
- Curb ring drawing.
- Impeller and ring assembly drawing.
- Diffuser and ring assembly drawing.
- Handling and shipping drawing.
- Bearing installation procedure.
- Spare parts list.
- Operation and maintenance manual.

Performance:

- Must provide at least 70,000 gpm at 26 ft of total dynamic head/60 deg F and 391 RPM. Pump curve based on empirical data that displays brake horsepower, net positive suction head required, pump head and efficiency.
- Performance must be guaranteed between the low and max water level lines.
- Thrust is to be specified by vender and thrust controls feature included in design
    - Thrust control approved by JEA technical lead.
- NPSHr no greater than 29 ft.

Tooling:

- If required, special tooling is to be provided by the vendor.
    - Such as but not limited to alignment dowels, shims, and/or impeller nut wrenches.
    - Drawing for special tooling is required as well.

7 Supporting Information

JEA may provide available drawings, equipment information, photographs, or other technical information to support Respondents' review of the existing installation.

Information provided through this RFI is preliminary and is intended to support market research and specification development. Respondents remain responsible for identifying information, measurements, or site conditions requiring further verification before final design or manufacture.

8 RFI Response Checklist

8.1 To assist JEA in reviewing responses, Respondents should ensure their submission includes, at a minimum:

- Company experience and capabilities;
- Proposed technical solution, compatibility, and exceptions;
- Installation, commissioning, and maintenance considerations;
- Budgetary pricing and lead times, including multi-unit considerations; and
- Warranty and performance information.