

REQUEST FOR PROPOSAL 22-021

ACADEMY CREEK WPCF-ULTRAVIOLET (UV) DISINFECTION EQUIPMENT

Brunswick, Georgia

for

Brunswick-Glynn Joint Water & Sewer Commission

April 12, 2022



Prepared By

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1 INTRODUCTION

Brunswick-Glynn Joint Water & Sewer Commission (BGJWSC) is issuing this request for proposal (RFP) to solicit proposals from Manufacturers for Ultraviolet (UV) Disinfection Equipment that will be installed at the Academy Creek Water Pollution Control Facility (WPCF) in the existing Chlorine Contact Basin (CCB). A basic layout of the existing Chlorine Contact Basin can be found in Appendix A. Technical Specifications may be found under Appendix B.

The equipment will be purchased ahead of all on-site construction, which will be bid under a separate contract. The successful manufacturer will be expected to coordinate delivery, installation and startup with the site contractor. The UV Equipment will be delivered to 2909 Newcastle Street, Brunswick, GA 31520. It is the intention of BGJWSC to award and issue purchase order for the proposed equipment within 3 months of receipt of proposals. Pricing will be guaranteed for 90 days.

The American Rescue Plan Act (ARPA) of 2021 provided the State of Georgia funding to make necessary investments in water and sewer infrastructure. On February 22, 2022, the State of Georgia announced preliminary award GA-0010802 to the Brunswick-Glynn Joint Water and Sewer Commission to fund improvements at the Academy Creek WPCF. This award is intended to be the primary funding source for this project. Federal Uniform Guidance rules are applicable for American Rescue Plan Act funds as defined in 2CFR 200.317 through 2 CFR 200.327. Proposers are advised to reference the full [2 CFR Part 200](#) and supplemental Appendix C of this solicitation which provides details on awarded sub-recipient entity (JWSC) responsibilities and vendor compliance as it pertains to this procurement activity. JWSC reserves the right to amend purchase and contractual agreements as the Final Rule requirements are amended.

1.1 Submittal Registration

Proposers must register via email with the BGJWSC Procurement Department, to ensure that any addenda are received. Proposal submittals received from unregistered manufactures will not be considered. To register, please send contact information to Pamela Crosby at PCrosby@bgjwsc.org with the subject line, “RFP – Academy Creek UV Disinfection Equipment”. The email shall provide the following information in its body:

1. Contact Name
2. Phone (Office/Cell)
3. E-mail Address
4. Physical Address
5. Manufacturer Name

1.2 Questions

All questions will be accepted via email only and shall be addressed to Pamela Crosby at pcrosby@bgjwsc.org. Appropriate responses will be issued only on those items considered necessary by the Engineer via addendum. All emailed questions must include a subject line denoting the project title of this RFP. Questions must be received no later than the following: **5:00 p.m. on Friday, April 29, 2022.**

Answers to submitted questions will be posted via addendum on the JWSC website:
<https://www.bgjwsc.org/departments/procurement/> and distributed to registered proposer's via email.

1.3 Preparation of Proposal

Each Proposal shall be assembled in one (1) document with a Title Page, Table of Contents, and Section Dividers. The proposal information shall be presented in the order requested under **Section 4: Proposal Information**. Oversized drawings (larger than 11" by 17"), if provided, shall be folded and inserted in plastic carriers. Three (3) original copies and one (1) digital (PDF) copy on a thumb drive of the proposal shall be delivered.

In the case of Manufacturers who choose to furnish separately bound "confidential information", this information shall be clearly identified as the confidential portion of the manufacturer's proposal and shall be assembled in the same manner as described above. Manufacturers shall furnish one (1) original copy. A digital copy of "confidential information" is not required.

1.4 Delivery of Proposal

The proposal shall be enclosed in a sealed package. The proposal shall be mailed or delivered to the following location:

RFP No. 22-021
Academy Creek WPCF UV Disinfection Equipment
C/O Pamela Crosby, Director of Procurement
Brunswick-Glynn Joint Water & Sewer Commission
1703 Gloucester Street
Brunswick, GA 31520
(912) 261-7100

The outside of the package shall plainly identify the subject of the submittal (Manufacturer Proposal); the project title "**RFP No. 22-021 Academy Creek WPCF-UV Disinfection Equipment**" and the name, address, phone number, and e-mail address of the manufacturer.

The Proposal must be received by: **3:00 p.m. on Tuesday, May 17, 2022.**

2 TECHNICAL REQUIREMENTS

The submitted proposal shall address the specifications as listed in Appendix B and meet the following requirements:

2.1 General Requirements

- 1) Furnish Open-channel UV Treatment System data package for UV treatment equipment to be mounted in existing channels of the Chlorine Contact Basin at Academy Creek WPCF
- 2) Furnish local control panel to control each UV Treatment System
- 3) Unit responsibility: Unit must include any required spare parts, special tools, and required appurtenances.
- 4) All equipment must be furnished and provided by a single manufacturer. All equipment furnished shall be of a design and manufacture that has been used in similar applications.
- 5) UV system must be capable of treating a maximum flow of 27 MGD, with a design flow rate of 13.5 MGD conforming to the requirements in the attached technical specification. The system proposed must provide full treatment redundancy.
- 6) The proposal shall include the cost of Manufacturer Services at the minimum level specified, including the cost of performance testing.

2.2 Exceptions

- 1) If the equipment submitted does not meet the requirements in the attached specification, please provide an “Exceptions” letter that outlines each exception taken.
- 2) **Note:** Any information that is determined by BGJWSC, to be substantially inaccurate, misleading, exaggerated, or incorrect may be disqualified from consideration.

3 SELECTION PROCESS

BGWSC reserves the right to change, suspend, or rescind the award rating and/or selection based on subsequently ascertained information.

The proposals will be evaluated according to the requirements below:

- 1) Technical Requirements *(25 points)*
- 2) Experience *(15 points)*
- 3) Cost *(25 points)*
- 4) Production Schedule *(15 points)*
- 5) Product Service Support *(10 points)*
- 6) Design Submittal *(10 points)*

4 REQUIRED PROPOSAL INFORMATION

4.1 General

- 1) Provide an acknowledgment of all addenda.
- 2) Provide the following Contact information:
 - a. Sales Representative company name (if applicable), project contact, address, phone number, web address and email
 - b. Manufacturer company name, project contact, address, phone number, web address and email

4.2 Experience

- 1) Provide a reference list with at least 5 references for equipment installations as similar as possible to the type and size/capacity indicated above with UV Equipment installed in an existing CCB. Information for each reference shall include the following at a minimum:
 - a. Location.
 - b. Installation/in service date.
 - c. Owner, installing contractor, design engineer, and contact name and number for each party.
 - d. Installation Design Flow Rate (MGD)
 - e. Equipment model(s) installed.
 - f. Design parameters for installation

4.3 Cost

Provide a not to exceed cost for the UV equipment, Control Panels, Spare Parts, and Equipment Vendor Startup and Training. This cost shall include, but not be limited to; materials, manufacturing, testing, freight, delivery, startup, and incidentals required to produce fully functioning UV disinfection equipment.

4.4 Production Schedule

State how long, in calendar days, from time of submittal approval to delivery of the equipment.

4.5 Product Service and Support

- 1) State the location and qualifications of service personnel closest to the Academy Creek WPCF

- 2) Provide a copy of the product warranty
- 3) Provide a description of service and support capabilities including costs

4.6 Design Submittal

Submit with the proposal a copy of the manufacturer's submittal for approval documents properly dated, sectioned, titled, with a detailed table of contents for the entire submittal at the beginning of the submittal and for each tab at the beginning of the tab, and including no less than the following:

- 1) **Product Data:** Submit manufacturer information for materials of construction and fabrication. Any deviations from the attached specification must be explained in detail.
- 2) **Shop Drawings:** Submit detailed dimensions for materials and equipment, including wiring and control diagrams, performance charts, installation and anchoring requirements, fasteners, and other details. Shop drawings shall include dimensions. Two layouts shall be provided for utilization of one side of the chlorine contact chamber and both sides of the chlorine contact chamber. Each layout will be required to provide treatment for design flows with full redundancy.
- 3) Proposed control panel layout
- 4) Provide manufacturer's criteria for determining and effective installation
- 5) **Manufacturer's Certificate:** Certify that products meet or exceed specified requirements.
- 6) **Manufacturer Instructions:** Submit detailed instructions on installation requirements, including storage and handling procedures, anchoring, and layout.
- 7) Indicated results of factory tests and inspections
- 8) Full electrical schematic, including three-line power schematic, control ladder logic, PLC and SCADA system interface, labeled as to identification and function so as to be easily understood.
- 9) Copies of UL and ETL authorizations for control panels, and for complete system.
- 10) Provide a detailed plan for performance testing of installed UV equipment
- 11) Complete description of the system including:
 - a. Submittal schedule
 - b. Shipment schedule after receipt of approved submittals
 - c. Technical information

- i. System model number
 - ii. Design Flow Rate
 - iii. Head loss imparted by system
 - iv. Voltage phase and frequency of required power
 - v. System approximate dry weight
 - vi. System footprint
- d. Operation sequence
 - e. Alarm sequence
 - f. Mechanical major component properly marked cut sheets
 - g. Electrical major component properly marked cut sheets
 - h. Manufacturer recommended spare parts list
 - i. SCADA interface, whether via Ethernet or discrete components
 - j. Notes clarification and exceptions
 - k. Receiving instructions
 - l. Storage instructions
 - m. Warranty statement

12) Owner's Manuals

- a. Operation and maintenance manual shall be prepared for this specific project, based on the approved submittal. Operation and maintenance manual shall be provided as an electronic file and two printed and bound copies to the Owner. The electronic file shall be suitable for printing as many copies as are necessary.
- b. Manuals be provided at the time of delivery of the equipment and shall be produced in the same format as the submittal, bound in a three-ring binder, with all tabbed sections.