



MORIN BUILDING
8570 EXECUTIVE PARK AVENUE
FAIRFAX, VIRGINIA 22031

INVITATION FOR BIDS

Number: IFB 22-054

Title: Mobile Continuous Chlorination/Chloramination Disinfection System and Tank Mixing Systems

Date Issued: Thursday, September 1, 2022

Deadline for Questions: Prior to 2:00 p.m., Monday, September 12, 2022

Bid Due Date: Prior to 2:00 p.m., Tuesday, September 20, 2022

Virtual Bid Opening: Microsoft Teams meeting
Join on your computer or mobile app
[Click here to join the meeting](#)
Or call in (audio only)
[+1 571-348-5786](tel:+15713485786).,887116800#
Phone Conference ID: 887 116 800#

IFB Delivery Location and Place of Bid Opening: Procurement Department
Fairfax Water
8570 Executive Park Avenue
Fairfax, Virginia 22031

Procurement Contact: Donnie Legg
Manager Procurement
Telephone: (703) 289-6261
Facsimile: (703) 289-6261
E-Mail: dlegg@fairfaxwater.org

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Mobile Continuous Chlorination/Chloramination Disinfection System and Tank Mixing Systems SECTION 1

1. INTRODUCTION AND OBJECTIVE

1.1. Introduction

The Fairfax County Water Authority, doing business as Fairfax Water (FW) was created under the Virginia Water and Waste Authorities Act pursuant to resolutions adopted by Fairfax County on September 26, 1957. Fairfax Water is managed by a ten-member Board of Directors appointed for three-year terms by the Fairfax County Board of Supervisors.

1.2. Objective

The objective of this Invitation to Bid and resulting contract is to establish an annual contract with a bidder to provide Fairfax Water with Mobile Continuous Chlorination/Chloramination Disinfection System and Tank Mixing Systems and Accessories as described and defined herein. FW plans to purchase at least one and up to two mobile continuous Chlorination/Chloramination disinfection systems in the first year of the contract. The accepted bidder shall be responsible for furnishing all specified equipment and providing training to FW staff. Bidders shall provide a bid for all items listed on the bid form.

2. BACKGROUND

FW has 32 tanks in its system. To support water quality goals and reduce the need for manual Chlorination/Chloramination, FW plans to purchase at least one and up to nine mobile continuous Chlorination/Chloramination disinfection systems and nine tank mixing systems during the term of this contract. One tank mixing system will remain a permanent fixture at nine separate tank sites to be ready to be connected to the mobile continuous disinfection system. This will provide flexibility for FW to target nitrification treatment in the distribution system with a mobile treatment facility on an as needed basis.

3. DEFINITIONS

- A. **Award** – means the decision by FW to execute a contract after all necessary approvals have been obtained.
- B. **Bid** – means the response by a Bidder to an Invitation for Bids issued by a procurement agency to obtain goods or services.
- C. **Bidder** – means any person submitting a response to an IFB.
- D. **Contract** – means the formal agreement as a result of this solicitation.
- E. **Contract Completion** – means the point in time when FW Project Manager confirms in writing that the contract has been completed as contracted for and the Contractor is released from any further obligations. All remaining payments due the Contractor shall be approved for payment at this time.
- F. **Contractor** – means the successful Bidder receiving a contract as a result of this solicitation.
- G. **Default** – means that the Contractor has failed to fulfill its contractual obligations properly and on time.
- H. **FW** – means Fairfax Water. The terms Owner and FW have the same meaning.
- I. **Notice** – The term “Notice” or the requirement to notify means a written communication delivered in person, by facsimile, or by certified or registered mail to the individual or firm, or to an officer of the Contractor for whom it is intended.
- J. **Owner** – Fairfax County Water Authority.

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- K. **Project** – The term “Project” means the same as the phrase “the Work.”
- L. **Project Manager** – means FW employee assigned to this project for purposes of oversight of the project. The Project Manager is responsible for all aspects of the contract (excluding contract modifications) after contract award, including but not limited to approving design changes, and authorizing payment for completed work.
- M. **Specifications** – The term “Specifications” describes the physical or functional characteristics or the nature of a good, service or construction item required. It may include a description of any requirement for inspecting, testing, or preparing a good, services or construction item for delivery.
- N. **Work** – The word “Work” shall include all material, labor equipment and tools, appliances, machinery, transportation, and appurtenances necessary to perform and complete the Contract, and any such additional items not specifically indicated or described which can be reasonably inferred as belonging to the item described or indicated or as required by industry practice, custom or usage to complete the project as proposed by the Bidder and accepted by FW.

4. SPECIFICATIONS

4.1. Minimum Bidder Requirements

A. Experience

1. Bidder must have experience building trailer mounted package Chlorination/Chloramination systems for a minimum of five (5) years and have constructed a minimum number of 25 systems.

4.2. Equipment Specifications

A. Overview

1. Furnish and deliver current year production model of UGSI Solutions Monoclor® Residual Control System Trailer and UGSI Solutions Tank Shark® Mixing System or equivalent.
2. Bids of equivalent items must include three sets of descriptive literature sufficient to properly evaluate your bid. Failure to comply may result in rejection of your bid.

B. Compliance with Standards

1. These specifications represent minimum requirements for each item. Any item proposed having less than these minimum requirements will not be considered.
2. The equipment shall be the manufacturer’s current production year model and shall include all standard equipment unless otherwise modified in accordance with these specifications. All components shall be manufacturer standard unless otherwise modified in accordance with these specifications.
3. All furnished equipment shall be delivered with invoice, manufacturer’s certificate of origin (MCO), and temporary tags, if applicable.

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C. Equipment Requirements

All equipment must meet all NSF 61 specifications. The following specifications represent minimum requirements and quantities:

1. Mobile Continuous Chlorination/Chloramination Disinfection System

- a. ATX8614TA Trailer, including:
 - i. NEMA 1 - 120/240 VAC, 1-Phase 100 Amps Load Panel
 - ii. Dimensions: 14'L x 8'-6"W x 8'-6"H
 - iii. Electrical and Plumbing Connection Points to hook trailer to on-site electric and plumbing
 - iv. Roof Vent
 - v. Air Conditioner
 - vi. Intrusion Alarms (available SCADA Communications)
 - vii. Side Door for human entry & Rear Ramp Door for equipment to be loaded on or off the trailer for future repairs
 - viii. All Wheel Electric Brakes
 - ix. Pintle Hook Coupler
 - x. Foot Style Landing Gear
 - xi. LED Light Note: Items 2-7 to be Pre-Plumbed, Wired, and Installed in the Trailer.
- b. SCC100 Smart Control Center
 - i. Allen-Bradley MicroLogix 1400 Programmable Logic Controller (PLC)
 - ii. Magelis DT351 7.4" HMI: Color LCD touch screen
 - iii. Communication: Ethernet based access to HMI software from computer or smartphone within same network
 - iv. Remote Monitoring Telemetry
 - v. Water Quality Station Communication: Two wire twisted cable
 - vi. Chemical Dosing Controller: RS-485 port for chemical feed system communications
 - vii. SCADA: Modbus TCP/IP standard, analog output available
 - viii. Enclosure: Equal to or greater than Type 4 rating
- c. Water Quality Station
 - i. Water Connection: 3/8" Push-connect
 - ii. Sampling Flow Rate: 10 GPH
 - iii. Connectivity: Modbus RS485 Connection
 - iv. Data Logging: Real-time DAQ on USB flash drive
 - v. Measurement - Total Chlorine: Dual Amperometric reagent less online sensor, 0-10 PPM measuring range, 0.01 PPM resolution
 - vi. Measurement – ORP Sensor (Platinum Extended Tip)
 - vii. Measurement - Temperature: 32-212° F measuring range, 0.1° resolution
 - viii. Measurement - pH: 0-14 measuring range, 0.01 resolution
 - ix. Measurement - Water Level (optional): pressure transducer, resolution of 1% maximum scale
 - x. Enclosure: Equal to or greater than Type 3R rating
- d. Hypochlorite Storage Tank to store 12.5% Sodium Hypochlorite, including:
 - i. Peabody Gemini PB-01-1072

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- ii. Double Wall HDLPE Construction
- iii. 160 Gallon Capacity
- iv. Viatran 59P Submersible Level Transmitter
- v. ¾" PVC (external) Chemical Fill Line
- vi. Dimensions: 34" D x 48" H
- e. Chemical Feed System –Chlorine
 - i. PSI Water Technologies – CSP 1.0 or equivalent
 - ii. Skid: Black polypropylene
 - iii. Pump: Blue-White Flex-Pro M3 Peristaltic Pump, 35GPH @125PSI
 - iv. Piping: PVC schedule 80
 - v. Controller - Input/Output: 4 digital inputs, 2 digital outputs, 2 analog inputs, 1 analog output
 - vi. Communication: Modbus RS-485 with Smart Control Center
 - vii. Pump Control Option: Digital relay, analog (4-20 mA), power switch
 - viii. Accessories:
 - 1. Calibration Column
 - 2. Wye Strainer
 - 3. Pressure Relief Valve
 - 4. SICK Pressure Transmitter # PBS-RP100SNSS0BMA0Z
- f. Liquid Ammonium Sulfate (LAS) Storage Tank to store 40% LAS, including:
 - i. Peabody Gemini PB-01-1077
 - ii. Double Wall HDLPE Construction
 - iii. 65 Gallon Capacity
 - iv. Viatran 59P Submersible Level Transmitter
 - v. ¾" PVC (external) Chemical Fill Line
 - vi. Dimensions: 27" D x 47" H
- g. Chemical Feed System -Ammonia
 - i. PSI Water Technologies – ASP 1.0 or equivalent
 - ii. Skid: Black polypropylene
 - iii. Pump: Blue-White Flex-Pro M3 Peristaltic Pump, 35GPH @125PSI
 - iv. Controller Input/Output: 4 digital inputs, 2 digital outputs, 2 analog inputs, 1 analog output
 - v. Communication: Modbus RS-485 with Smart Control Center
 - vi. Pump Control Option: Digital relay, analog (4-20 mA), powerswitch
 - vii. Accessories:
 - 1. Calibration Column
 - 2. Pressure Relief Valve
 - 3. Wye Strainer
 - 4. SICK Pressure Transmitter # PBS-RP100SNSS0BMA0Z
- h. Sample Pump
 - i.
 - ii. 24VDC

2. Tank Mixing Systems

- a. Mixing System including:
 - i. Tank Shark® Mixing System TS-100 or equivalent
 - ii. 100 gpm Maximum Volumetric Flow Rate
 - iii. Single Motive Water Mixing Nozzle Assembly

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- iv. Chlorine Injection Nozzle Assembly
 - v. Ammonia Injection Nozzle Assembly
 - vi. Bottom Feed Configuration
 - vii. Fixed Base
 - viii. Reinforced PVC and Polyethylene Interconnecting Tubing to Access Hatch
 - ix. Electropolished 304 Stainless Steel Base and Mast Assembly
 - x. GF Flow Transmitter # 2551-P0-42 Magmeter, to be installed in the mobile trailer
- b. Stainless Steel Vertical Turbine Booster Pump, to be installed in the mobile trailer, including:
 - i. Grundfos CR series
 - ii. 7.5 HP EPAAct-Efficiency, TEFC Motor
 - iii. ABB ACCSS35 VFD
 - iv. NEMA 4X Variable Frequency Drive
 - v. Selector switch and Run/Fault lights
 - c. Chlorination/Chloramination Disinfection Control Panel, to be installed in the mobile trailer
 - i. Control Panel with M340 PLC and Magelis 7" HMI
 - ii. Panel with M340 CPU with 1 Ethernet/USB com port and 1-RS485 port
 - iii. (1) Modicon serial link module 2-RS485 and 1-232 port in Modbus
 - iv. (1) Distribution communication module 4-port RJ45
 - v. Phoenix Contact 24VDC power supply with 2.5A output
 - d. Enclosure to be Hoffman Concept NEMA 4 mild steel
- 3. Operations and Maintenance Manual and Manufacturer's Services
 - a. For both the Mobile Continuous Chlorination/Chloramination Disinfection System and Mixing Systems:
 - i. Submittal and Operation & Maintenance Manual, Sent Electronically, and Prepared According to Section 4.3.A
 - ii. Manufacturer's Services for Installation, System Start-Up, and Operator Training, and Delivered According to Section 4.3.B
 - 4. Shipping and Handling
 - a. For both the Mobile Continuous Chlorination/Chloramination Disinfection System and Tank Mixing Systems:
 - i. Free on Board (FOB) Factory with Full Freight Allowed to Jobsite in Fairfax Water service area

4.3. Operation & Maintenance Manual and Training Specifications

A. SECTION 01782 OPERATION AND MAINTENANCE DATA

The equipment Supplier shall prepare an Operation and Maintenance Manual for each type of equipment indicated in the equipment in Section 4.2 Equipment Specifications above and be submitted no later than 15 days following the delivery of the Mobile Continuous Chlorine/Chloramine Disinfection System. The Operations and Maintenance Manuals shall contain only that information which applies to the equipment provided. Service manuals shall contain complete and detailed operating, maintenance and repair instructions in sufficient detail to allow journeyman mechanics, electricians, instrumentation staff, and operators to assemble, disassemble, adjust, operate, maintain and repair all components of the equipment, and to order all parts, without consultation with the manufacturer or his representative.

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B. SECTION 01800 EQUIPMENT AND SYSTEM TRAINING

Use operation and maintenance manuals as basis for instruction and development of the training program. Review contents of manual with personnel in detail to explain all aspects of operation and maintenance. On-site hands-on training shall be delivered to the mechanical, electrical, and instrumentation maintenance personnel separately, be specific to each trade, and cover proper start-up, shutdown, normal and alternative operating conditions. Electronic recording to be provided of the training and become FW property. The following items shall be included for each item of equipment requiring training:

1. Describe equipment's operating (process) function and system theory.
2. Describe equipment's fundamental operating principles and dynamics.
3. Identify and describe in detail equipment's mechanical, electrical, and electronic components and features.
4. Identify all support equipment associated with the operation of subject equipment.
5. Detail the relationship of each piece of equipment or component to the subsystems, systems, and processes related to this project.
6. Cite all hazards associated with the operation, exposure to chemicals associated with the component, or the waste stream handled by the component.
7. Specify the appropriate and safety precautions, equipment, and procedures to eliminate, reduce, or overcome these hazards.
8. Describe PM inspection procedures required to perform an inspection of the equipment in operation, spot potential trouble symptoms (anticipate breakdowns), and forecast maintenance requirements (predictive maintenance). Detail procedure to conduct each PM activity performed weekly or less frequently.
9. Where applicable, group relative components into subsystems.
10. Identify and describe in detail equipment safety features, permissive and controls interlocks.
11. Review preventive maintenance frequency and task analysis table.
12. Define recommended systematic troubleshooting procedures as they relate to specific craft problems.
13. Provide component specific troubleshooting checklists as they relate to specific craft problems.
14. Describe recommended equipment preparation requirements as they relate to specific craft problems.
15. Identify and describe the use of any special tools required for maintenance of the equipment as they relate to specific craft problems.
16. Describe recommended measuring instruments and procedures, and provide instruction on interpreting alignment measurements, as appropriate
17. Describe recommended procedures to check/test equipment following a corrective maintenance repair.

4.5 . Condition of Materials on Delivery

All materials shall be protected to insure against damage while in transit. All materials shall be in new and undamaged condition upon delivery. Materials found damaged or otherwise found unsuitable will be rejected. The supplier shall be responsible for replacing all rejected materials, including all shipping cost.

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4.6. Delivery Locations

A. Delivery of equipment shall be pre-arranged with the FW site contact and occur on any regular FW working day between the hours of 7:00 am and 2:00 pm. The FW site contact may authorize a different delivery schedule at their sole discretion.

B. Delivery Location:

Mechanical Maintenance
Newington Maintenance Facility
8001 Cinder Bed Road
Newington, Virginia 22079

4.7. Packing List

A. A packing list shall accompany every shipment. The absence of a packing slip or required shipping order information may cause refusal of the shipment. The packing list shall contain: Purchase Order number, Delivery release number, item description, quantity shipped, quantity ordered, and quantity backordered (if any).

4.8. Warranty

A. In addition to any other warranties expressed or implied, the specific warranties of Merchantability and Fitness for a Particular Purpose apply to all orders placed as a result of this solicitation.

B. If at any time, any contract item fails to conform to the bid/contract specifications, the Contractor shall, at no additional cost to FW, promptly replace the defective item. If the Contractor is unable to remedy such nonconformity during a time period consistent with the requirements, FW may undertake to remedy the nonconformity and in such case Contractor shall reimburse FW for any costs thereby incurred.

C. Provide 12 months parts and labor warranty from initial operation or 18 months from shipment, whichever is earlier. Warranty is to be with either the manufacturer or a service facility authorized by the manufacturer to perform warranty services. On the bid summary sheet, specify where warranty service will be performed: at FW, Manufacture, or bidders location. If other than at FW, include the name, address and telephone number of the repair facility. All costs for warranty service (including shipping and insurance) shall be included in the warranty and at no additional cost to FW.

5. INSTRUCTIONS TO BIDDERS

5.1. Questions and Communications

All contact between prospective Bidders and FW with respect to this solicitation will be formally held at scheduled meetings or in writing through the Issuing Office. Questions and comments regarding the

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meaning or interpretation of any aspect of this solicitation must be submitted in writing to the Procurement Contact identified on the cover page to this solicitation and must be received on or before the deadline for submitting questions. Only written questions will be accepted. Questions and/or comments which are submitted after the deadline set forth on the cover page to this solicitation will not be answered.

FW shall respond to all timely questions and comments that are properly submitted and are deemed to address a matter that is relevant and substantive in nature within a reasonable period of time, in the form of a written Addendum that will be transmitted to all prospective Bidders at the addresses furnished to FW for such purpose. Oral communications between FW and any Bidder regarding the interpretation or meaning of any aspect of this IFB are not authorized and may not be relied upon for any purpose.

5.2. Bid Opening and Instructions for Submitting Bids

The deadline for submitting bids and the location for opening bids is shown on the cover sheet. Bids will be opened immediately following the deadline for submitting bids. Bids will be opened in accordance with the provisions of the Virginia Public Procurement Act. In accordance with Covid-19 social distancing guidelines, the public opening of bids will be conducted virtually via Microsoft Teams. The link to the bid opening is included on the cover sheet of this solicitation.

All bids must be submitted in a sealed package(s), no other form of submission will be accepted (i.e., E-mail, Facsimile, etc.). Bid packages must be identified on the outside as follows:

From: _____	_____
Name of Bidder	Due Date
_____	_____
Street	IFB No.
S A M P L E	_____
_____	IFB Title
City, State, Zip Code	

Attn: Donald Legg

5.3. Familiarity with Specifications

Each Bidder shall bear responsibility for thoroughly examining this solicitation in its entirety. In the event that Bidder has any questions or comments regarding the proper meaning or intent of any aspect of this solicitation, then such Bidder shall submit all such questions and comments in writing to the Procurement Contact identified on the cover sheet of this solicitation.

The submission by a Bidder of a Bid in response to this solicitation shall be deemed to constitute a representation on the part of such Bidder that it has thoroughly examined this solicitation and has submitted any and all questions and comments it may have regarding the meaning or interpretation of this solicitation to Fairfax Water in the manner prescribed herein.

5.4. Bid Submission Form

Attachment 1 is the bid submission form. It must be completed and signed by an agent who is fully authorized to bind the individual or organization submitting the offer to sell, to the terms, conditions and specifications contained herein as well as any addenda to this solicitation.

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5.5. Proprietary Information

- A. Except as provided herein or as otherwise set forth in §2.2-4342 of the Virginia Public Procurement Act (Va. Code Ann. §2.2-4300 *et seq.*, the “Act”), all proceedings, records, contracts and other public records relating to procurement transactions shall be open to inspection in accordance with the Virginia Freedom of Information Act (Va. Code Ann. §2.2-3700 *et seq.*, the “Virginia FOIA”).
- B. A Bidder, Offeror or Contractor shall have the right to identify data or other materials submitted in connection with this procurement as trade secrets or proprietary information, which shall not be subject to inspection pursuant to either §2.2-4342 of the Act or the Virginia FOIA, by submitting to Fairfax Water prior to or at the time of submission of its proposal or bid a separate, written notice on its letterhead stationery setting forth the following: (i) a statement indicating that the Bidder, Offeror, or Contractor wishes to invoke the protections of this section; (ii) an identification of the data or other materials for which protection is sought; and (iii) a statement with regard to why protection is necessary.

5.6. Exceptions/additions

No exceptions or additions to the Specifications/Scope of Work or Contract Terms and Conditions shall be permitted. Any questions or concerns regarding any part of the IFB shall be submitted to the Department of Procurement prior to the date specified in the Questions and Inquiries section above. Bids containing any exceptions to the Specifications/Scope of Work or Contract Terms and Conditions or submitting additional Terms and Conditions shall be deemed non-responsive and rejected. Exceptions or additions proposed after bid submission by the successful bidder shall not be accepted.

5.7. Addenda to the IFB

- A. FW reserves the right to amend this solicitation at any time prior to the deadline for submitting Bids. If it becomes necessary to revise any part of this IFB, notice of the revision will be given in the form of an Addendum that will be provided to all prospective Bidders who are on record with FW as having received this solicitation. If, in the opinion of FW, the deadline for the submission of bids does not provide sufficient time for consideration of any Addendum, then such deadline may be extended at the discretion of FW.
- B. It shall be the responsibility of each Bidder to contact the Purchasing Contact identified on the cover page to this solicitation prior to submission of a bid hereunder in order to determine whether any Addenda have been issued in connection with this procurement. Notwithstanding any provision to the contrary, the failure of any Bidder to receive any Addenda shall neither constitute grounds for withdrawal of its bid, nor relieve such Bidder from any responsibility for incorporating the provisions of any Addenda in its proposal.
- C. Acknowledge receipt of each addendum by signing it and submitting it by the bid deadline. Failure to return a signed addendum may result in a bid being determined non-responsive.

5.8. Late Bids

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Bids or unsolicited amendments to bids arriving after the bid submission deadline will not be considered.

5.9. Arrearage

By submitting a Bid in response to this solicitation, the individual or firm submitting the bid shall be deemed to represent that it is not in arrears in the payment of any obligation due and owing FW, the Commonwealth of Virginia, or any public body in the Commonwealth of Virginia, including but not limited to any obligation to pay taxes and/or employee benefits. Bidder further agrees that it shall make diligent efforts to avoid becoming in arrears during the Term of any Contract awarded hereunder.

5.10. Contract Award

Contract award will be made to the lowest responsive and responsible bidder based on total cost. Whenever the lowest responsive and responsible bidder is a resident of a state other than Virginia and such state under its laws allows a resident contractor of that state a percentage preference, a like preference shall be allowed to the lowest responsive and responsible bidder who is a resident of Virginia and is the next lowest bidder. If the lowest bidder is a resident contractor of a state with an absolute preference, the bid preference shall not be considered.

5.11. Public Notice of Award

Public notice of award will be posted on the official FW web site:
(<https://www.fairfaxwater.org/procurement>).

5.12. Authorization to do Business in Virginia

Each bidder that is organized or authorized to transact business in the Commonwealth of Virginia pursuant to Title 13.1 or Title 50 of the Virginia Code shall include with its bid the identification number issued to it by the Virginia State Corporation Commission. Any bidder that is not authorized to transact business in Virginia as a foreign entity under Title 13.1 or title 50 of the Virginia Code or as otherwise required by law shall include in its bid a statement describing why the bidder is not required to be so authorized. Any bidder that fails to provide the required information may not receive an award.

5.13. Compliance with Laws, Regulations and Codes

The Bidder hereby represents and warrants that:

- A. It is qualified and properly licensed to do business in the Commonwealth of Virginia and that it will take such action as, from time to time hereafter, may be necessary to remain so qualified;
- B. It is not in arrears with respect to the payment of any monies due and owing FW, the Commonwealth of Virginia, or any department or unit thereof, including but not limited to the payment of taxes and employee benefits, and that it shall not become so in arrears during the term of this Contract;
- C. It shall comply with all federal, State and local laws, regulations, and ordinances applicable to its activities and obligations under this Contract; and
- D. It shall obtain at its expense, all licenses, permits, insurance, and governmental approval, if any, necessary to the performance of its obligations under this Contract.

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5.14. Debarment Status

By submitting a Bid in response to this solicitation, each Bidder certifies that it is not currently debarred by the federal government, the Commonwealth of Virginia, or any agency or department thereof from submitting a bid or proposal in connection with any procurement project and that it is not an agent of any person or entity that currently is so debarred.

5.15. Duration of Bids

Bids shall be valid for a minimum of 90 days following the deadline for submitting bids. If an award is not made during that period, all bids shall be automatically extended for another 90 days. Bids will be automatically renewed until such time as either an award is made or proper notice is given to FW of Bidder's intent to withdraw its bid. Bids may only be withdrawn by submitting written notice at least seven days before the expiration of the then current 90-day period.

5.16. Formation of Contract

- A. The words "Contract" and "Purchase Order" are used interchangeably unless the context otherwise plainly requires. The documents comprising the Contract shall be accorded the following order of precedence:
1. The Contract including any Amendments or Change Orders;
 2. All Purchase Orders;
 3. Any Addenda to the IFB;
 4. This IFB (including all Appendices and Attachments hereto); and
 5. The Bidder's completed Bid Tabulation Form (including any drawings and submittals).
- B. The contract to be entered into as a result of this IFB shall be by and between the Bidder as Contractor and FW. It shall include the following items, which are listed in order of precedence:
1. The fully executed contract between the parties, or FW Purchase Order,
 2. The IFB and any Addenda to the IFB,
 3. The Bidder's response to the IFB (including any drawings and submittals), and
 4. All correspondence between the parties regarding this IFB.
- C. Anything called for by one of the contract documents and not called for by the others shall be of like effect as if required or called for by all, except that a provision clearly designed to negate or alter a provision contained in one or more of the other contract documents shall have the intended effect.

5.17. Unit Prices Prevail

In the event that there is a mathematical error on the summary sheet, the unit price for each item shall prevail. All costs to provide the goods and/or services specified in this solicitation shall be shown on the attached bid summary sheet. Line items left blank will be interpreted as at no cost to FW.

5.18. Negotiation with Low Bidder

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If the lowest bid submitted by a responsive and responsible bidder exceeds available funds for this procurement, then Fairfax Water may, in its discretion, conduct negotiations with the lowest responsive and responsible bidder (the “Low Bidder”) in an effort to obtain a contract price that is within available funds. In such event, Fairfax Water will notify the Low Bidder verbally or in writing that its bid exceeds available funds and will schedule a conference with the Low Bidder, Fairfax Water staff, and such advisors and consultants as Fairfax Water deems appropriate in order to discuss possible modifications to the scope of the procurement that may result in a price that is within available funds. The conference and any subsequent negotiations may be conducted in person or by telephone. If, during the conference, the parties arrive at an acceptable modification to the scope of the project and a contract price that is within available funds, then Fairfax Water may award a contract to the Low Bidder based upon the newly-modified terms and conditions. Otherwise, the Low Bidder will, within 15 days after the date of the conference (or such longer or shorter period as may be specified in writing by Fairfax Water), submit to Fairfax Water a written addendum to its original Bid Form which describes its proposed modification(s) to the scope of the procurement and sets forth the Low Bidder’s newly adjusted bid price. Fairfax Water may conduct further negotiations with the Low Bidder or request additional clarifications or modifications. If the Low Bidder’s proposed modifications are acceptable to Fairfax Water and the associated contract price is within available funds, then Fairfax Water may award a contract to the Low Bidder based upon the modified terms and conditions. If the proposed modifications are not acceptable to Fairfax Water, or the associated price reductions are not within available funds, then Fairfax Water will terminate negotiations and reject all bids.

5.19.References

Each Bidder shall submit with its Bid, three references (See Attachment 2 – References). References shall be from customers of similar size and scope of operations as FW, to whom the Bidder has supplied the same services within the past 12 months. References shall be able to attest without reservation to the fact that the Bidder provided the contracted goods/services without a significant problem of any kind, and at any time during the contract period.

5.20.Insurance Claims against Bidder

In addition to the mandatory insurance requirements listed in Subsection 3.25 (Insurance Requirements) and at the request of FW, the apparent low bidder shall submit a list of all insurance claims made against it within the past 12 months. Failure to include this information within ten calendar days of request by FW may result in rejection of your bid.

5.21.Rider Clause

Subject to the mutual agreement between the parties, any contract awarded on the basis of this solicitation may be used by any public entity (to include jurisdictions comprising the Metropolitan Washington Council of Governments), to enter into a contract for the services described and defined herein. For single purchases, the contract may be used for up to 12 months from the actual date of contract award. For multi-year contracts, the contract may be used throughout the effective period of the contract. Contracts awarded as a result of this solicitation will be subject to these terms and conditions, and/or such terms and conditions as may be required by the controlling body for the public agency using the contract. Pricing shall be as offered by the successful Offeror and subsequently accepted by FW.

5.22.Incorporation by Reference

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This solicitation is issued in accordance with, and controlled by, the Virginia Public Procurement Act (VPPA), which is incorporated into and made part of the solicitation. By submitting a bid in response to this solicitation, all Bidders acknowledge the VPPA and agree to be bound by it. A copy of the VPPA is available for inspection at the Purchasing Department at FW. It is also available at the Virginia Department of General Services, Department of Purchases and Supply Website:

<http://www.eva.virginia.gov/pages/eva-vppa.htm>

6. CONTRACT TERM AND CONDITIONS

6.1. Term of Contract

The Contract awarded as a result of this solicitation will be from October 7, 2022 through October 6, 2023 or an equivalent period based on the actual contract award date. This contract may be renewed for up to four additional one-year periods. Subsequent renewal costs will be based on current year model costs.

6.2. Additional Quantities

FW reserves the right to purchase additional quantities of the goods or services specified herein at the bid price for up to one year from the date of contract award. By submitting a bid in response to this solicitation, bidder agrees to provide the item bid, or the then current version of the bid item at the price originally bid.

6.3. Anti-Discrimination

By submitting their bids, Bidders certify to FW that they will conform to the provisions of the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Contracting Act of 1975, as amended, where applicable, the Virginians With Disabilities Act, the Americans With Disabilities Act and §11-51 of the Virginia Public Procurement Act.

A. During the performance of the contract, the Contractor agrees as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, or disabilities, except where religion, sex or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that such Contractor is an equal opportunity employer.
3. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting these requirements.

B. The Contractor will include the provisions above in every subcontract or purchase order so that the provisions will be binding upon each subcontractor or vendor.

C. Fairfax Water does not discriminate against faith-based organizations on the basis of the organization's religious character or impose conditions that (a) restrict the religious character of the faith-based organization, except as provided by law, or (b) impair, diminish, or discourage the exercise of religious freedom by the recipients of such goods, services, or disbursements.

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6.4. Antitrust

By entering into a contract, the Contractor conveys, sells, assigns, and transfers to FW all rights, title and interest in and to all causes of action it may now have or hereafter acquire under the antitrust laws of the United States and the Commonwealth of Virginia, relating to the particular goods or services purchased or acquired by FW.

6.5. Assignment of Interest

The Contractor shall not assign any interest in any resulting Contract and shall not transfer any interest in the same without prior written consent of FW, which FW shall be under no obligation to grant.

6.6. Availability of Funds

It is understood and agreed between the parties herein that FW shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement.

6.7. Brand Names

In the case of bids specifying brand names or models:

- A. Unless otherwise provided in this solicitation, the name of a certain brand, make or manufacturer does not restrict Bidders to the specific brand, make or manufacturer named, but conveys the general style, type, character, and quality of the article desired. Any article that FW, in its sole discretion, determines to be the equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted. Each Bidder is responsible to clearly identify the product being offered (by manufacturer's name, model, part number, etc.) and to provide sufficient descriptive literature, catalog cuts and technical detail to enable FW to determine if the product offered meets the requirements of the solicitation. Failure to furnish adequate data for evaluation purposes may result in declaring an offer non-responsive. Unless the Bidder clearly indicates that the product offered is an "equal" product, such bid will be considered to offer the brand name product specified in this solicitation.
- B. For purposes of this solicitation and any contract that may result here from, FW's designation of any one or more manufacturers and/or suppliers as "preapproved" or "acceptable" shall signify only that such manufacturers and/or suppliers previously have submitted work samples or the like to FW which satisfied FW's requirements. FW's designation of any one or more manufacturers and/or suppliers as "preapproved" or "acceptable" shall in no event be deemed or construed to be a representation or warranty on the part of FW of any such manufacturer's or supplier's capability or capacity (in terms of financial wherewithal, personnel and equipment availability, managerial ability or otherwise) of performing any of the requirements of this solicitation in accordance with the terms and conditions hereof. Each Bidder shall conduct such independent investigation into the qualifications, experience and abilities of its selected manufacturers and suppliers as it deems appropriate under the circumstances.

6.8. Cancellation

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FW may cancel this solicitation at any time and for any reason prior to contract award.

6.9. Contract Changes / Change Orders

- A. No verbal agreement or conversation with any officer, agent or employee of FW either before or after the execution of any Contract resulting from this solicitation or followon negotiations, shall affect or modify any of the terms, conditions, specifications, or obligations contained in the solicitation, or resulting Contract. No alterations to the terms and conditions of the Contract shall be valid or binding upon FW unless made in writing and signed by the purchasing contact identified on the cover page. Contract changes shall be in writing and shall be on official FW Purchasing Department letterhead. In any event and in all circumstances, the Contractor shall be solely liable and responsible for any Contract changes, deviations, etc., made without first receiving written authorization to deviate from the Contract by the FW Project Manager.

- B. Changes can be made to the contract in any of the following ways:
 - 1. The parties may agree in writing to modify the scope of the contract. An increase or decrease in the price of the contract resulting from such modification shall be agreed to by the parties as a part of their written agreement to modify the scope of the contract.
 - 2. FW may order changes within the general scope of the contract at any time by Notice to the Contractor. Changes within the scope of the contract include, but are not limited to, things such as services to be performed, the method of packing or shipment, and the place of delivery or installation. The Contractor shall comply with the notice upon receipt. The Contractor shall be compensated for any additional costs incurred as the result of such order and shall give FW a credit for any savings. Said compensation shall be determined by one of the following methods:
 - a. By mutual agreement between the parties in writing; or
 - b. By agreeing upon a unit price or using a unit price set forth in the contract, if the work to be done can be expressed in units, and the Contractor accounts for the number of units of work performed, subject to FW's right to audit the Contractor's records and/or to determine the correct number of units independently; or
 - c. By ordering the Contractor to proceed with the work and keep a record of all costs incurred and savings realized. A markup for overhead and profit may be allowed if provided by the contract. The same markup shall be used for determining a decrease in price as the result of savings realized. The Contractor shall present FW with all vouchers and records of expenses incurred and savings realized. FW shall have the right to audit the records of the Contractor, as it deems necessary to determine costs or savings. Any claim for an adjustment in price under this provision must be asserted by Notice to the Purchasing Department. Neither the existence of a claim nor a dispute resolution process, litigation or any other provision of this contract shall excuse the Contractor from promptly complying with the changes ordered by FW or with the performance of the contract generally.

6.10. Contractor's Responsibilities

- A. The Contractor shall be responsible for all products and/or services as required by this IFB. The use of subcontractors is prohibited unless:
 - 1. A request to include a subcontractor is included in the bid and,

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2. The Bidder receives written approval to use a subcontractor prior to, or as part of the formal contract between the parties.
 - B. Even when properly authorized by FW, the use of a subcontractor does not relieve the Contractor of liability under the contract.
 - C. The Contractor, at its sole expense, shall be responsible for damage to FW and non-FW property as a result of its failure, or its subcontractor's failure to protect such facilities and utilities.
 - D. The Contractor, at its sole expense, shall immediately repair or replace FW property damaged by (or caused by) the Contractor or its Subcontractor(s). Replacements will be of equal or better quality than the property damaged property, and all such work must be approved by FW Project Manager.

6.11. Delivery

In the case of solicitations that require delivery to FW:

- A. By submitting a bid in response to this solicitation, the Bidder guarantees delivery of contract items within the timeframe specified herein or as indicated in the bidders bid submission form. Failure to deliver within the time specified, or as amended in writing by FW, or failure to make replacements of rejected Contract items, shall constitute a breach of contract and may be grounds for a declaration of default in addition to any other remedies FW may be entitled to.
- B. Deliveries must be made by within the delivery time specified in the bid submission document. If a delay is anticipated, the Contractor must provide as much advanced notice as possible to FW. Failure to honor a delivery schedule may result in damages to FW. The Contractor is liable for any and all costs incurred by FW due to such failures.
- C. Homeland Security Advisory System: If the Homeland Security Advisor System places the water / waste water industry in Codes Orange or Red, all deliveries shall be between the hours 7:30 a.m. and 2:00 p.m., Monday through Friday unless specially requested by the plant. As each delivery leaves the Contractor's yard, the Plant is to be advised as to the driver's name and trailer number and estimated arrival time. Upon arrival, the driver will be required to show photo ID and the trailer number will be checked and verified before delivery is allowed on site. Failure to follow these procedures may result in a refusal of the delivery at the Contractor's risk and expense.

6.12. Ethics in Public Contracting

Contractor hereby certifies that it has familiarized itself with Article 4 of Title 11 of the Virginia Public Procurement Act, Section 11-72 through 80, Virginia Code Annotated, and that all amounts received by it, pursuant to a contract resulting from this solicitation, are proper and in accordance therewith.

6.13. Examination of Records

Bidder agrees that in any resulting contract, either FW or its duly authorized representative shall have access to and the right to examine and copy any directly pertinent books, documents, papers, and records of the Contractor involving transactions related to any resulting contract. This obligation shall expire five years after the final payment for the final service performed as a result of any and all contract(s)

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awarded pursuant to this solicitation, or until audited by FW, whichever is sooner. Contractor will provide reasonable access to any and all necessary documents and upon demand provide copies of documents if so required by FW or its representative(s). FW will reimburse the Contractor for any reasonable expenses it incurs as a result of such a request.

6.14. Governing Law; Venue; Waiver of Jury Trial

Notwithstanding any provision to the contrary, this solicitation and any resulting contract shall be governed in all respects by the laws of the Commonwealth of Virginia. Any dispute arising hereunder which is not otherwise resolved by the parties shall be resolved by a court of competent jurisdiction in the Commonwealth of Virginia. The Contractor and FW hereby waive any right such party may have to a trial by jury in connection with any such litigation.

6.15. Indemnification and Responsibility for Claims and Liability

With respect to any contract that results from this solicitation, Bidder is bound by the following:

- A. The Contractor shall indemnify, save harmless and defend FW, or any employee of FW, against liability for any suits, actions, or claims of any character whatsoever arising from or relating to the performance of the Contractor or its subcontractors under this contract.
- B. FW has no obligation to provide legal counsel or defense, or pay attorney's fees to the Contractor or its subcontractors in the event that a suit or action of any character is brought by any person not party to the contract, against the Contractor or its subcontractors as a result of or relating to the Contractor's obligations under this contract.
- C. FW has no obligation for the payment of any judgments or the settlement of any claims against the Contractor or its subcontractors as a result of or relating to the Contractor's obligations under this contract.
- D. The Contractor shall immediately notify FW of any claim or suit made or filed against the Contractor or its subcontractors regarding any matter resulting from or related to the Contractor's obligations under the contract. If such a claim or suit is brought, the Contractor will cooperate, assist, and consult with FW in the defense or investigation of any suit or action made or filed against FW as a result of or relating to the Contractor's performance under this contract.
- E. The Contractor shall pay all royalties and license fees necessary for performance of the contract. The Contractor shall defend all suits or claims for infringement of any patent rights or other proprietary rights arising from or related to performance of the resulting contract and shall save FW harmless from any loss, including Attorneys' fees arising out of any such claim.

6.16. Insurance

- A. In addition to the mandatory insurance requirements listed in this Section and, at the request of FW, any Bidder may be required to provide a list of all insurance claims made against it within the past 36 months. FW reserves the right to reject any bid if in FW's opinion the amount or number of claims is deemed to be excessive. A Bidder's failure to comply with this requirement may result

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in rejection of its bid. If no claims have been made, then the Bidder shall so state in its bid. Fairfax Water may require such information from the Contractor as it deems necessary to assess the Contractor's financial ability to pay any deductibles with respect to the insurance policies required hereunder.

- B. Before commencing the work, the Contractor shall procure and maintain at its own expense, minimum insurance in forms and with insurance companies acceptable to FW to cover loss or liability arising out of the Work. All insurance policies must be underwritten by insurers authorized to conduct business within the Commonwealth of Virginia and must have a Best's rating of at least A- and a financial size of class VIII or better in the latest edition of Best's Insurance Reports.
- C. The Contractor shall immediately notify FW of any claim or suit made or filed against the Contractor or its subcontractors regarding any matter resulting from or related to the Contractor's obligations under the contract. If such a claim or suit is brought, the Contractor will cooperate, assist, and consult with FW in the defense or investigation of any suit or action made or filed against FW as a result of or relating to the Contractor's performance under this contract.
- D. With the exception of Workers' Compensation and Employers' Liability Insurance, all additional insurance policies specified herein shall name FW as an additional insured with regard to work performed under any subsequent Contract
- E. The Contractor will provide FW with copies of certificates of insurance coverage and proof of payment of all premiums. Each certificate of insurance must include: (a) an endorsement from the insurer that certifies that the Contractor maintains the referenced policy in full force and effect; (b) where applicable, a statement indicating that FW is included as an additional insured; and (c) a provision requiring that not less than 30 days written notice will be given to FW before any policy or coverage is canceled or modified in any material respect. Without limiting the requirements set forth above, the insurance coverages will include a minimum of:
 - 1. Workers' Compensation and Employers' Liability Insurance: Statutory requirements and benefits as required by the Commonwealth of Virginia; and
 - 2. Required Commercial General Liability Insurance: This insurance must be written on an "occurrence" basis and shall be endorsed to include FW as an additional insured and shall provide at a minimum the following:

◆ General Aggregate Limit	\$1,000,000
(Other than Products-Completed Operations)	
◆ Products-Completed Operations Aggregate Limit	\$ 500,000
◆ Personal & Advertising Injury Limit	\$ 500,000
◆ Each Occurrence Limit	\$ 500,000
For Construction Contracts:	
◆ Directors & Officers – Errors & Omissions	\$2,000,000

- F. Business Automobile Liability Insurance: This insurance coverage must extend to any motor vehicles or other motorized equipment regardless of whether it is owned, hired, or non-owned and must cover Bodily Injury and Property Damage with a combined single limit of at least \$1,000,000 each accident. This insurance must be written in comprehensive form and must protect the Contractor and FW against claims for injuries to members of the public and/or damage to the

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property of others arising from the Contractor's use of motor vehicles or other equipment and must cover both on-site and off-site operations.

- G. Nothing contained herein will be deemed to operate as a waiver of FW's sovereign immunity under the law.

6.17. No Waiver or Estoppel

Neither the inspection by FW nor any of its employees, nor any payment of money, nor payment for, nor acceptance of any Commodity by FW, nor any extension of time shall operate as a waiver of any provision of this Contract, or of any power herein reserved to the Owner or of any right to damage herein provided. No waiver of any breach of this Contract shall be held to be a waiver of any other subsequent breach. All remedies provided in this Contract to FW shall be construed as cumulative and shall be in addition to each and every other remedy herein provided. Neither FW, nor any officer, employee, or authorized representative of FW, will be bound, precluded, or estopped by any action, determination, decision, acceptance, return, certificate, or payment made or given under or in connection with the Contract by any officer, employee or authorized representative of the Owner, at any time either before or after final completion and acceptance of the Work and payment therefore from: (a) showing the true and correct classification, amount, quality, or character of the Commodities delivered, or that any determination, decision, acceptance, return certificate or payment was incorrect or was improperly made in any respect, or that the Commodities or any part thereof do not in fact conform to the requirements of the Contract; (b) demanding and recovering from the Contractor any overpayment made to the Contractor or such damages as FW may sustain by reason of the Contractor's failure to comply with the requirements of the Contract; or (c) both of the foregoing clauses (a) and (b).

6.18. Pass-Through Price Increases and Decreases

Note: This section only applies in the event a renewal year option is utilized and only if that renewal year option has a twelve-month firm price for the materials.

For annually renewable contracts:

- A. Increases: FW recognizes that the Contractor's sources of supply and transportation may pass onto the Contractor unanticipated and significant price increases. FW will consider requests by the Contractor to allow "pass-through" price increases when accompanied with sufficient proof. Only the Contractor's direct supplier's price increases will be considered. FW reserves the right to accept or reject all such requests. FW will not allow price increases that are greater than the amount passed on to the Contractor, or for a period outside of the then current contract year.
- B. Decreases:
 - 1. Pass through price increases shall cease at the end of the then current contract year and contract pricing will return to the pre-pass through rate. Subsequent six-month price adjustments will be based upon a mutually agreed to price between both Fairfax Water and the Contractor.
 - 2. Prior to the end of the then current contract year, the pass through increase shall be

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reduced or eliminated when and as the cause of the increase is reduced or eliminated.

- C. Pass through price increases will not be a substitute for poor planning by the Contractor. Pass through increase will not be allowed for the first six months of any contract year. Price increases will be effective upon the date such a request is received in writing; and will not be made retroactive.

6.19. Partial Invalidity

Neither any payment for, nor acceptance of, the whole or any part of the services by FW, nor any extension of time, shall operate as a waiver of any provision of any Contract resulting from this IFB, nor of any power herein reserved to FW, or any right to damages herein provided, nor shall any waiver of any breach of any Contract be held to be a waiver of any other or subsequent breach. Failure of FW to require compliance with any term or condition of any Contract shall not be deemed a waiver of such term or condition or a waiver of the subsequent enforcement thereof.

6.20. Payment Clauses Required in All Contracts

Section § 2.2-4352 of the Virginia Public Procurement Act requires the following:

A. That any contract awarded by FW include the following clauses:

1. The Contractor shall take one of the two following actions within seven days after receipt of amounts paid to the contractor by FW for work performed by any subcontractor(s) under the contract:
 - a. The Contractor shall pay its subcontractor(s) for the proportionate share of the total payment received from FW attributable to the work performed by the subcontractor under that contract; or
 - b. Notify FW and any subcontractor(s), in writing, of his intention to withhold all or a part of the subcontractor's payment with the reason for nonpayment.
2. Bidders shall include in their offer submissions either: (i) if an individual contractor, their social security numbers; and (ii) proprietorships, partnerships, and corporations to provide their federal employer identification numbers.
3. The contractor shall pay interest to the subcontractor(s) on all amounts owed by the Contractor that remain unpaid after seven days following receipt by the Contractor of payment from FW for work performed by the subcontractor under the contract, except for amounts withheld as allowed in subdivision 1.
4. Unless otherwise provided under the terms of this contract, interest shall accrue at the rate of one percent per month.

B. The contractor shall include in each of its subcontracts a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier subcontractor.

C. A contractor's obligation to pay an interest charge to a subcontractor pursuant to the payment clause in this section shall not be construed to be an obligation of FW. A contract modification shall not

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be made for the purpose of providing reimbursement for the interest charge. A cost reimbursement claim shall not include any amount for reimbursement for the interest charge.

6.21. Payment

- A. Invoices: All invoices are to be sent directly to FW Accounts Payable department by mail, fax, or e-mail. Invoices shall include the FW Purchase Order / Contract number and the contractor's FEIN. Invoices are not to be sent to the contract Project Manager, or other departmental reps. Failure to comply may result in late payments for which FW will not be liable.
- B. Terms: All payments will be Net 30 from the date of receipt of a valid invoice at FW Finance Department. Payment terms requiring payment in less than 30 days will be regarded as requiring payment 30 days after invoice or delivery, whichever occurs last. This shall not affect offers of discounts for payment in less than 30 days, however.
- C. Invoices: The Contractor shall submit invoices for items ordered, delivered and accepted, directly to the Finance Department, to the attention of Accounts Payable. Invoices shall show FW Purchase Order or contract number and are subject to review and approval by FW Project Manager
- D. Partial Payments: Requests for partial payments or advanced payments must be submitted as part of the Price Bid along with a justification. FW reserves the right to accept, reject or negotiate requests for partial payments. If the request is rejected, the Bidder must waive the requirement in order to remain in consideration.
- E. Refunds: If the Contractor is declared to be in default, FW will be eligible for a full and immediate refund for all payments made to the Contractor. Partial Payments: Requests for partial payments or advanced payments must be submitted as part of the Price Offer along with a justification. FW reserves the right to accept, reject or negotiate requests for partial payments. If the request is rejected, the Bidder must waive the requirement in order to remain in consideration.
- F. Unreasonable Charges: Under certain emergency procurements and for most time and material purchases, final job costs cannot be accurately determined at the time orders are placed. In such cases, final payment is contingent on a determination of reasonableness with respect to all invoiced charges. Charges that appear to be unreasonable will be researched and challenged, and that portion of the invoice held in abeyance until a settlement can be reached. Upon determining that invoiced charges are not reasonable, FW shall promptly notify the Contractor, in writing, as to those charges that it considers unreasonable and the basis for the determination.

6.22. Price Firm Period

Bid pricing shall be firm and fixed as originally offered and accepted for the first twelve months of the contract.

6.23. Price and Title

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All prices are for Commodities delivered F.O.B. the facility set forth on the Purchase Order and shall represent the entire cost to FW. Title for such Commodities shall pass to FW upon receipt and acceptance thereof at FW's designated facility.

6.24. Purchase and Sale Transaction

Any transaction for the purchase and sale of any Commodity shall be effected by FW's issuance to the Contractor of a Purchase Order, in which event the Contractor covenants and agrees to furnish all Commodities described therein in strict accordance with the terms and conditions of such Purchase Order and the other documents that together constitute the Contract.

6.25. Taxes

FW is exempt from Federal Excise Taxes, Virginia State Sales and Use Taxes, and the District of Columbia Sales Taxes and Transportation Taxes. FW's tax identification number is 54-6025290.

6.26. Termination of Contract

A. For Cause. In the event that the Contractor: (1) fails to deliver any Commodity or Service in accordance with the time period established therefore in the Contract; or (2) fails to furnish any Commodity or Service which conforms in all respects to the requirements of the Contract; then FW, without prejudice to any other rights or remedies it may have at law or in equity (including its right to seek damages from the Contractor), shall have the right to terminate the Contract and any outstanding Purchase Orders by issuing a written notice of termination to the Contractor. Such notice of termination shall describe in reasonable detail the grounds for the termination and shall take effect immediately upon receipt by the Contractor.

If, after issuance of a notice of termination under this Section it is determined for any reason that cause for such termination did not exist, then the rights and obligations of the parties shall be the same as if the notice of termination had been delivered under the provisions of subsection B (termination for convenience) hereof; provided, however, that the Contractor in such event shall be deemed to have received seven days prior written notice of such termination. Any compensation due the Contractor pursuant to subsection B shall be offset by the cost to FW of remedying the default by the Contractor. The Contractor shall in no event be entitled to receive any consequential damages or any anticipated profits with respect to Commodities not yet furnished to, and accepted by, FW as of the effective date of any such termination.

B. For Convenience. FW shall have the right to terminate the Contract and/or any outstanding Purchase Orders issued hereunder at its own convenience for any reason by giving seven business days prior written notice of termination to the Contractor. In such event, the Contractor shall be paid an amount equal to the actual cost of any Commodity delivered to, and accepted by, FW and the actual cost of any equipment, goods or materials ordered by the Contractor hereunder in good faith which could not be canceled, less the salvage value thereof, provided sufficient substantiation is furnished to FW. Any subcontract entered into by the Contractor in connection with the transactions contemplated hereby shall contain a similar termination provision for the benefit of the Contractor and FW. The Contractor shall in no event be entitled to receive anticipated profits on

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any Commodities not yet furnished to and accepted by FW as of the effective date of any such termination.

6.27. Virginia Freedom of Information Act

Except as provided herein, all proceedings, records, contracts and other public records relating to procurement transactions shall be open to the inspection of any citizen, any interested person, firm, or corporation, in accordance with the Virginia Freedom of Information Act.

6.28. Warranty

- A. The contractor warrants that, unless otherwise specified, all materials and equipment incorporated in the work under the contract shall be new, in first class condition, and in accordance with the contract documents. The contractor further warrants that all workmanship shall be of the highest quality and in accordance with contract documents and shall be performed by persons qualified at their respective trades.
- B. Materials and equipment shall be fully guaranteed against defects in material and workmanship for a period of 12 months following date of final acceptance. Should any defect be noted by the FW, the Project Manager will notify the contractor of such defect or non-conformance. Notification will state either (1) that the contractor shall replace or correct, or (2) FW does not require replacement or correction, but an equitable adjustment to the contract price will be negotiated. If the contractor is required to correct or replace, it shall be at no cost to FW and shall be subject to all provisions of this clause to the same extent as materials initially delivered. If the contractor fails or refuses to replace or correct the deficiency, the office issuing the purchase order may have the materials corrected or replaced with similar items and charge the contractor the costs occasioned thereby or obtain an equitable adjustment in the contract price.
- C. Work not conforming to these warranties shall be considered defective.
- D. This warranty of materials and workmanship is separate and independent from and in addition to any of the contractor's other guarantees or obligations in this contract.

NOTE: Any implied warranties, including but not limited to the warranty for "Merchantability and Fitness for A Particular Purpose" cannot be waived and are a mandatory part of this solicitation and any ensuing Contract.

6.29. Faith-Based Organizations

FW does not discriminate against faith-based organizations.

6.30. Immigration Reform and Control Act of 1986

By entering this Contract, the Contractor certifies that it does not and will not during the performance of this Contract violate the provisions of the Federal Immigration Reform and Control Act of 1986, which prohibits employment of illegal aliens.

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6.31. Severability

In the event that any provision shall be adjudged or decreed to be invalid by a court of competent jurisdiction, such ruling shall not invalidate the entire Agreement but shall pertain only to the provision in question and the remaining provisions shall continue to be valid, binding and in full force and effect.

6.32. Notices

All notices and other communications hereunder shall be deemed to have been given when made in writing and either (a) delivered in person, (b) delivered to an agent, such as an overnight or similar delivery service, or (c) deposited in the United States mail, postage prepaid, certified or registered, addressed as follows:

TO CONTRACTOR:

TO FW:

Notice is deemed to have been received: (i) on the date of delivery if delivered in person; (ii) on the first business day after the date of delivery if sent by same day or overnight courier service; or (iii) on the third business day after the date of mailing, if sent by certified or registered United States Mail, return receipt requested, postage and charges prepaid.

6.33. Licensure

To the extent required by the Commonwealth of Virginia (*see e.g.* 54.1-1100 *et seq.* of the Code of Virginia) or FW, the Contractor shall be duly licensed to perform the services required to be delivered pursuant to this Contract.

6.34. Authority to Transact Business in Virginia

A Contractor organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership shall be authorized to transact business in the Commonwealth as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the Code of Virginia or as otherwise required by law. Any business entity described herein that enters into a Contract with FW pursuant to the Virginia Public Procurement Act 2.2-4300 *et seq.* shall not allow its existence to lapse or its certificate of authority or registration to transact business in the Commonwealth, if so required under Title 13.1 or Title 50 of the Code of Virginia, to be revoked or cancelled at any time during the term of the Contract. FW may void any Contract with a business entity if the business entity fails to remain in compliance with the provisions of this section.

6.35. Drug-free workplace to be maintained by contractor*

During the performance of this contract, the contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the

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foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

6.36. Employment Discrimination by Contractor Prohibited; Required Contract Provisions

The following provision is required to be in every contract of more than \$10,000 (Virginia Public Procurement Act, § 2.2-4311)

A. During the performance of any ensuing contract, the Contractor agrees as follows:

1. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The contractor, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such contractor is an equal opportunity employer.
3. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

The contractor will include the provisions of the foregoing paragraphs 1, 2 and 3 in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

6.37. Counterparts

This Contract and any amendments or renewals hereto may be executed in a number of counterparts, and each counterpart signature, when taken with the other counterpart signatures, is treated as if executed upon one original of this Contract or any amendment or renewal. A signature by any party to this Contract provided by facsimile or electronic mail is binding upon that party as if it were the original.

6.38. Force Majeure

A party is not liable for failure to perform the party's obligations if such failure is as a result of Acts of God (including fire, flood, earthquake, storm, hurricane or other natural disaster), war, invasion, act of foreign enemies, hostilities (regardless of whether war is declared), civil war, rebellion, revolution, insurrection, military or usurped power or confiscation, terrorist activities, nationalization, government sanction, blockage, embargo, strikes at national level or industrial disputes at a national level, or strike or industrial disputes by labor not employed by the affected party, its subcontractors or its suppliers and which affect an essential portion of the contracted for works but excluding any industrial dispute which is specific to the performance of the works or this Contract, interruption or failure of electricity or telephone service.

If a party asserts Force Majeure as an excuse for failure to perform the party's obligation, that party must immediately notify the other party giving full particulars of the event of force majeure and the reasons for the event of force majeure preventing that party from, or delaying that party in

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performing its obligations under this contract and that party must use its reasonable efforts to mitigate the effect of the event of force majeure upon its or their performance of the contract and to fulfill its or their obligations under the contract.

An event of force majeure does not relieve a party from liability for an obligation which arose before the occurrence of that event, nor does that event affect the obligation to pay money in a timely manner which matured prior to the occurrence of that event.

The Contractor has no entitlement and FW has no liability for: (1) any costs, losses, expenses, damages or the payment of any part of the contract price during an event of force majeure; and (2) any delay costs in any way incurred by the contractor due to an event of force majeure.

6.39. Survival of Terms

Upon discharge of this Agreement, Sections (Notice, Hold Harmless, Warranties, Governing Law/Forum, Contractual Disputes) of these Terms and Conditions continue and survive in full force and effect.

6.40. Non-Waiver

No waiver of any provision of this Agreement shall constitute a waiver of any other provision nor shall any waiver of this Agreement constitute a continuing waiver unless otherwise expressly provided.

6.41. Contractor's Compliance and Safety Program

- A. The Contractor shall comply with all applicable Federal, State, and local safety programs, regulations, standards, and codes, to include though not limited to:
1. The Virginia Uniform Statewide Building Code,
 2. Building Officials & Code Administrators (BOCA) codes (together with adopted International Codes),
 3. Virginia Department of Health (VDH) regulations,
 4. Virginia Department of Environmental Quality (DEQ) regulations,
 5. Virginia OSH (VOSH) regulations, and
 6. National Electric Code (NEC).
- B. The Contractor shall have a written safety program that complies with all applicable OSHA and VOSH standards for General Industry regulations and a written Permit Required Confined Space Entry Program that complies with the then current VOSH Standard Confined Space Entry Standard. A copy of these programs shall be provided to FW with the Contractor's general safety program not later than seven days after contract award and before beginning work.
- C. When working in a confined space, the Contractor shall utilize only personnel trained for confined space entry and shall provide all entry equipment including atmospheric test equipment.
- D. Hard Hat Area: Contractor's employees shall wear hard hats while working outdoors at the work site.

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6.42. Contractual Disputes

Contractual claims, whether for money or for other relief, will be submitted in writing not later than 60 days after final payment; provided however, that written notice of the Consultant's intention to file such claim must:

Be delivered to the attention of FW's Procurement Representative assigned to this contract at the address shown on the cover sheet of this RFP, not later than five days after the occurrence or of the beginning of the Work upon which the claim is based; and

Contain a reasonably detailed description of the basis of the claim otherwise the claim will be deemed to have been waived. FW will make a written decision upon any such claim within 60 days after submittal of the claim. The Consultant will not institute legal action prior to receipt of FW's decision on the claim unless FW fails to render such decision within 90 days after submittal of the claim. The decision of FW will be final, unless the Consultant initiates legal action as provided in Section 2.2-4364 of the Virginia Code. Failure of FW to render a decision within 90 days will not result in the Consultant being awarded the relief claimed, nor will it result in any other relief or penalty. The sole result of FW's failure to render a decision within the time allotted will be the Consultant's right to immediately institute legal action. No administrative appeals procedure pursuant to Section 2.2-4365 of the Virginia Code has been established for contractual claims under this Agreement.

No claim of any nature will be made against FW by or on behalf of a subcontractor unless the Consultant has first: (a) evaluated such claim thoroughly and determined it to be meritorious; (b) issued a written notice to the subcontractor finding the subcontractor's claim to be meritorious and setting forth any additional compensation or additional days to be paid or granted to the subcontractor on account of such claim; and (c) paid the subcontractor in full for such claim. In presenting such a claim, the Consultant will provide FW with a copy of the written notice to the subcontractor and with evidence of payment in full of the subcontractor's claim. No such claim will exceed the amount actually paid to the subcontractor.

6.43. Priority Customer

By submitting a Bid in response to this solicitation, Bidder understands and acknowledges that FW provides services that are essential to the health and welfare of the public. To the extent that the Contractor must prioritize and/or allocate services among its customers, the requirements of FW will be honored before service is provided to a customer with no obligations with regard to the public health and welfare.

6.44. Time Is Of The Essence

Time is of the essence! This is a time critical project! Once started, this project must continue without delay or interruption, and unauthorized delays by the Contractor are prohibited. After prior written warning to the Contractor, FW may declare the Contractor in default for unacceptable delays. If such a declaration is made, FW reserves the unilateral right to cure the default by obtaining the services of

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a qualified Contractor to complete the project and charge any additional or increased costs to the Contractor.

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ATTACHMENT 1

BID SUBMISSION FORM

COMPANY NAME: _____

ADDRESS: _____

CONTACT PERSON: _____

TELEPHONE: _____ E-MAIL: _____

FAX: _____ FED ID #: _____

Pursuant to Title 13.1 or Title 50 of the Virginia Code provide the identification number issued to your firm by the Virginia State Corporation Commission (VSCC) in the space provided below, If your firm is not required to be authorized to transact business under Title 12.1 or Title 50, or any other law; provide a statement why your firm is not required to be so authorized.

_____	_____
Company Name	Identification Number

If you do not have a VSCC identification number, explain why it is not required in the space below:

All bidders must specify the following information:

Bids of alternate or equivalent items must include three sets of descriptive literature sufficient to properly evaluate your bid. Failure to comply may result in rejection of your bid.

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<u>Bid Item</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit of Issue</u>	<u>Unit Price</u>	<u>Total Price</u>
<u>1.</u>	Mobile Continuous Chlorination/Chloramination Disinfection System	<u>1</u>	<u>EA</u>	<u>\$</u>	<u>\$</u>
<p>Manufacturer: _____</p> <p>Model Name/Number: _____</p> <p>Delivery Time: _____ Calendar days after receipt of order</p>					
<u>2.</u>	Tank Mixing Systems	<u>1</u>	<u>EA</u>	<u>\$</u>	<u>\$</u>
<p>Manufacturer: _____</p> <p>Model Name/Number: _____</p> <p>Delivery Time: _____ Calendar days after receipt of order</p>					
<u>3.</u>	Operations and Maintenance Manual and Manufacturer's Services	<u>1</u>	<u>EA</u>	<u>\$</u>	<u>\$</u>
<p>Manufacturer: _____</p> <p>Model Name/Number: _____</p> <p>Delivery Time: _____ Calendar days after receipt of order</p>					
<u>4.</u>	*Shipping & Handling (if any)	<u>1</u>	<u>LS</u>	<u>\$</u>	<u>\$</u>
<u>TOTAL COST</u>					<u>\$</u>

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* All bids are to be quoted as FOB Destination. Include all necessary costs in your bid submission (see above). Failure to include the cost of shipping and handling will be interpreted as included in the unit price for each item. FW will not pay for shipping and handling charges not included in your bid.

- **TERMS:** _____ All bids will be interpreted as Net 30, unless otherwise specified herein. FW's minimum payment term is Net 30 days. By submitting an offer to sell in response to this solicitation, all bidders acknowledge and agree to this requirement.

By my signature I certify that I am acting as an agent or in the case of an LLP, the Partner or Managing Partner for the firm identified below and I am fully authorized to bind the firm to the terms, conditions and specifications of this solicitation, as well as any addenda thereto.

Company Name: _____

Signature: _____ Printed Name: _____

Title: _____ Date _____

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REFERENCES

BIDDER'S NAME: _____

1. COMPANY NAME: _____

ADDRESS: _____

CONTACT PERSON: _____

TELEPHONE: (_____) - _____ - _____

FAX: (_____) - _____ - _____

E-MAIL: _____

2. COMPANY NAME: _____

ADDRESS: _____

CONTACT PERSON: _____

TELEPHONE: (_____) - _____ - _____

FAX: (_____) - _____ - _____

E-MAIL: _____

3. COMPANY NAME: _____

ADDRESS: _____

CONTACT PERSON: _____

TELEPHONE: (_____) - _____ - _____

FAX: (_____) - _____ - _____

E-MAIL: _____