

Fairfax Water

MORIN BUILDING
8570 EXECUTIVE PARK AVENUE
FAIRFAX, VIRGINIA 22031

INVITATION FOR BIDS

Number:	IFB 17-1
Requirement:	Switchgear Battery Inspection/Preventive Maintenance, Capacity Testing, Load Testing, and Repair Services
Date Issued:	July 25, 2017
Deadline for Questions:	5:00 p.m., EST., August 01, 2017
Addendum Contract Amendments:	3:00 p.m., EST., August 07, 2017
Bid Due Date:	2:00 p.m., EST., August 15, 2017
IFB Delivery Location and Place of Bid Opening:	Procurement Department Fairfax Water 8570 Executive Park Avenue Fairfax, Virginia 22031
Procurement Contact:	Ms. Laurie Hankins, CPPB Buyer I Telephone: (703) 289-6266 Facsimile: (703) 289-6262 E-Mail: proclh@fairfaxwater.org

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SECTION 1

1. SUMMARY INFORMATION AND SUBMISSION OF BIDS

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 for Bid (IFB) is to award a five-year, annually renewable contract to provide, Switchgear Battery Inspection/PM, Capacity Testing, Load Testing, and Repair Services as needed. Year one of the contract shall be dedicated to Semi-annual PMs as well as emergency repair and parts on an as-needed basis. Year two of the contract shall include Load Testing as scheduled and approved through FW staff during January, or February to coincide with the scheduled plant power outage, and any other (required) repairs. PM schedule rotation, and load testing to be continued throughout the duration of the contract.

1.3 Questions and Communications

All contact between prospective Bidders and FW with respect to this solicitation shall be formally held at scheduled meetings or in writing through the Issuing Office. Questions and comments regarding the 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 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 e-mail 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 shall not be relied upon for any purpose.

1.4 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.

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

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

Attn: Laurie Hankins

1.5 Bid Submission Forms

- A. Attachment 2, The Bid Submission Form, shall 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(s) to this solicitation.
- B. Attachment 3 is the References Form and shall be submitted along with Attachment 2.

1.6 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.

1.7 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

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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(s) have been issued in connection with this procurement. Notwithstanding any provision to the contrary, the failure of any Bidder to receive any Addenda(s) shall neither constitute grounds for withdrawal of its bid, nor relieve such Bidder from any responsibility for incorporating the provisions of any Addenda(s) in its proposal.

1.8 Receipt of Addenda(s)

Acknowledge receipt of each addendum by signing, and submitting it by the bid deadline.

1.9 Late Bids

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

1.10 Contract Award

If any award is made, it will be awarded to the lowest responsive and responsible bidder

1.11 Public Notice of Award

Public notice of award will be posted on the official FW web site (<http://www.fcwa.org/procurement/index.htm>).

1.12 Definitions

- A. **Acceptance** – 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.
- B. **Award** – means the decision by FW to execute a contract after all necessary approvals have been obtained.
- C. **Bid** – means the response by a Bidder to an Invitation for Bids issued by a procurement agency to obtain goods or labor.
- D. **Bidder** – means any person submitting a response to an IFB.
- E. **Contract** – means the formal acceptance of a bid by FW.
- 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.

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- 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.
- 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” refers to the written technical description of materials, equipment, construction systems, standards, and workmanship to be applied to the Work and certain administrative details applicable thereto.
- 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.

1.13 Term of Contract and Contract Renewal

- A. The Contract(s) awarded as a result of this solicitation will be effective for one-year beginning on the date of contract award. FW reserves the unilateral option to renew all contracts annually thereafter for up to four additional one-year periods, subject to the terms and conditions specified herein.
- B. Notification of renewal shall be by the issuance of a renewal purchase order /contract. Failure to renew by the expiration date of the then current contract year will not automatically cancel the contract. FW may retroactively renew the contract at any time prior to the last day of the following contract year providing that FW has not formally canceled the contract(s).

END SECTION 1

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SECTION 2

2. BID SPECIFICATIONS AND RELATED REQUIREMENTS

2.1 Specifications

A. Overview

FW has 31 variously configured switchgear battery backup systems located at its facilities throughout Fairfax County. These systems serve as emergency backups for critical systems when there is a power failure. FW seeks a contractor to perform preventive maintenance, and capacity testing semi-annually during the months of **October, and April; beginning in October, 2017**. Load Testing shall be performed every two years, beginning contract year 2019, on designated units (see attachment 2-Part 3). Load Testing shall be performed during the winter to coincide with the scheduled plant power outage. Services for each FW plant shall be scheduled through the Electrical Supervisor, for The Corbalis Treatment Plant (CTP), and the Electrical Supervisor, for The Griffith Treatment Plant (GTP). FW reserves the right to add/delete equipment at any time, as needed.

*See Bid Submission Form - Attachment 2-Part 2 for equipment to be replaced by FW during December 2018.

B. Scope

1. All work shall be performed during FW normal business hours, Monday through Friday, 7:00 a.m. to 3:30 p.m. EST, except in the case of emergencies as described in Section 2.2 below.
2. At the request of FW, Contractor shall provide back-up battery power systems for all inspection/preventive maintenance and testing work. Emergency service response is required telephonically within two (2)-hours of FW's initial call to contractor to report the need for emergency repairs, and contractor shall have the capability to be on-site within four (4)-hours of the initial call to begin emergency repair work.
3. All replacement parts shall be provided at cost. Contractor shall submit supplier invoices to support all material charges.

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PREVENTIVE MAINTENANCE PROGRAM – Flooded Lead-Acid Stationary Batteries

Action Required Semi-Annually, Unless Otherwise Noted
Measure and record battery voltage
Measure and record charger output current and voltage
Inspect electrolyte levels and add water as required
Measure and record specific gravity of every 10 th cell/unit
Measure and record specific gravity of each cell/unit
Measure and record voltage of each cell/unit
Measure and record the total voltage of system
Visually inspect each cell/unit and all connections in detail
Measure and record Micro-Ohm resistance of every cell/unit
Measure and record electrolyte temperature:
Clean and neutralize jar covers as necessary
Re-torque all connections (TWO YEAR PM)
Inspect the battery rack and battery area and clean as necessary
Measure and record ambient temperature within battery room
Check condition of ventilation equipment
Check proper operation of eye wash station
Provide inspection report of findings and corrective actions

- In addition to the industry standards referenced in subsection 2.1.D, the following requirements describe, and define the minimum capacity test procedures for substation switchgear battery systems in order for the finished Work to be accepted by FW.

PREVENTIVE MAINTENANCE PROGRAM – VLRA Lead - Acid Stationary Batteries

Action Required Semi-Annually, Unless Otherwise Noted
Measure and record battery voltage
Measure and record charger output current and voltage
Measure and record voltage of each cell/unit
Measure and record the total voltage of system
Visually inspect each cell/unit and all connections in detail
Measure and record internal resistance of every cell/unit
Measure and record Micro-Ohm resistance of all connections
Measure and record AC Ripple Voltage
Re-torque all connections (TWO YEAR PM)
Inspect the battery rack and battery area and clean as necessary
Measure and record negative post connection temperature
Measure and record ambient temperature within battery room
Provide inspection report of findings and corrective actions

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PREVENTIVE MAINTENANCE – Chargers

Action Required Semi-Annually, Unless Otherwise Noted
Check and adjust float voltage
Check and adjust equalize voltage
Verify and adjust the following alarms if necessary: Low Voltage Alarm High Voltage Alarm High Voltage Shutdown Alarm A.C. Failure Alarm
Check for hotspots with IR Thermometer
Visually inspect connectors and insulation
Clean out unit with forced air
Provide inspection report of findings and corrective actions

C. Load Testing:

Load Testing shall be conducted every two (2) years for all equipment listed on Attachment 2-Part 3. The resistive method testing shall be the preferred method used for load testing. FW staff will be on-site with Contractor during all load testing procedures.

D. Industry References:

In addition to the services specified above, all PM services shall conform to ANSI/IEEE 450-2010, IEEE Recommended Practice for Maintenance, Testing, and Replacement of Vented Lead-Acid Batteries for Stationary Applications.

2.2 Emergency Repairs and Response Time

A. Emergency Repairs:

Contractor shall respond to FW telephonically within two (2) hours of FW's initial call to Contractor to report the need for emergency repairs, and be on-site within four (4) hours of the initial call to begin emergency repair work. Contractor's response team shall come equipped with sufficient tools and repair and replacement parts, or have tools and parts immediately available to ensure that repairs are not delayed unnecessarily. FW Project Manager shall be the sole determiner of when repairs become unnecessarily delayed.

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B. Contractor Point of Contact Availability

Contractor shall provide to the FW Project Manager a point of contact(s) that can be contacted directly on a 24-hour, 7 day week basis. The point of contact shall have the authority to dispatch Contractor personnel to FW for the purpose of initiating emergency repair work. The point of contact list shall remain current throughout the duration of this contract.

2.3 Reports

Contractor shall provide a written report to FW Project Manager of all data testing and inspection/preventive maintenance findings within seven (7) days of completion of work.

2.4 Equipment Type, Manufacturer, Model Number, and Location of Facilities

A. FW reserves the right to add, or delete equipment as needed.

See Attachment 1, Equipment List, for a complete list of all equipment currently in use.

2.5 Contractor Responsible for Disposal of All Batteries

Contractor shall be responsible for the proper handling, removal, recycling and disposal of all batteries removed from FW equipment in accordance with IEEE Standard 450-2010. Contractor shall provide a "Letter of Recycle or Disposal of Batteries" to the FW Project Manager that identifies the facility where batteries shall be recycled or disposed of, the facility's EPA number, and the quantity and types of FW batteries returned to the facility. All costs associated with recycling and disposal of batteries shall be at the Contractor's expense.

2.6 Insurance Claims against Bidder

In addition to the mandatory insurance requirements listed in Subsection 3.27 (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 36 months. Failure to include this information within ten (10) calendar days of request by FW, may result in rejection of your bid.

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2.7 References

Each Bidder shall submit with its Bid, five (5) references (See Attachment 3 – References). References shall be from customers of similar size and scope of operations as FW, to whom the Bidder has supplied the same services continuously and for the manufacturer's equipment listed herein for not less than the past 12 months. Bidder shall provide references or other proof that it has been performing the services specified herein for not less than the past three (3) consecutive years. 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.

END SECTION 2

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SECTION 3

3 STANDARD TERMS AND CONDITIONS

3.1 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.

3.2 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.

3.3 Annual Economic Price Adjustment

- A. In the case of annually renewable contracts, the Contractors may submit a request for contract price increases once annually for each renewal year. Economic increases shall be limited to the increase specified in the Bureau of Labor Statistics for the 12 month period ending 90 days prior to the end of the then current contract year.
- B. For services: Annual rate increases will be based on the Consumer Price Index-U (CPI-U).
- C. For commodities: If the CPI-U is not the appropriate index for the item(s) being bid, the bidder may substitute any other single BLS price index (e.g. Producer Price Index – metals) providing that the substitute price index constitutes the greatest component of the contract item. Multiple price indexes will not be considered for the same bid item. Bidder may specify a different index for different bid items based on the conditions identified above. Bidder must specify the specific BLS Group and BLS Item that is to be used (e.g. BLS Group: Metals and products; BLS Item: Pressure pipe and fittings, ductile iron (BLS Series ID# WPU10150237).
- D. Negative BLS index: If the agreed upon index is a negative number the contractor shall reduce contract rates by the same amount for new contract year.

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3.4 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.

3.5 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.

3.6 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.

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Bidder further agrees that it shall make diligent efforts to avoid becoming in arrears during the Term of any Contract awarded hereunder.

3.7 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.

3.8 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.

3.9 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

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investigation into the qualifications, experience and abilities of its selected manufacturers and suppliers as it deems appropriate under the circumstances.

3.10 Cancellation

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

3.11 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.

3.12 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 follow-on 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

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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.

3.13 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, 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 damaged property, and all such work must be approved by FW Project Manager.

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3.14 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.

3.15 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 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, 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.

3.16 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.

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3.17 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.

3.18 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) awarded pursuant to this solicitation, or until audited by FW, whichever is sooner. Contractor shall 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.

3.19 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.

3.20 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. Any 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 Response (including any drawings and submittals).

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- 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.

3.21 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.

3.22 Incorporation by Reference

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>

3.23 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.

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- 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 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.

3.24 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. Any Bidder's failure to comply with this requirement may result 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

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- 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 (Other than Products-Completed Operations)	\$1,000,000
◆ 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 shall extend to any motor vehicles or other motorized equipment regardless of whether it is owned, hired, or non-owned and shall cover Bodily Injury and Property Damage with a combined single limit of at least \$500,000 each accident. This insurance shall be written in comprehensive form and shall protect the Contractor and FW against claims for injuries to members of the public and/or damage to the property of others arising from the Contractor's use of motor vehicles or other equipment and shall cover both on-site and off-site operations.
- G. Nothing contained herein shall be deemed to operate as a waiver of FW's sovereign immunity under the law.

3.25 Negotiation with Low Bidder

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

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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.

3.26 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).

3.27 Pass-through Price Increases and Decreases

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

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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. The contractor will be eligible for and only upon request, the annual economic price increase as defined in subsection 3.3 above.
2. Prior to the end of the then current contract year, the pass through increase shall be 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.

3.28 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 (7) 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.

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- 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 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.

3.29 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

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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.

3.30 Precedence of Terms

These General Terms and Conditions shall apply in all instances. In the event there is a conflict between any of the other General Terms and Conditions and any Special Terms and Conditions in this solicitation, the Special Terms and Conditions shall apply.

3.31 Price Firm Period

Bid pricing shall be firm and fixed as originally offered and accepted for the first 12 months of the contract.

3.32 Price and Title

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.

3.33 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.

3.34 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.

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3.35 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.

3.36 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 (7) 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 (7) 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 any Commodities not yet furnished to and accepted by FW as of the effective date of any such termination.

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3.37 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.

3.38 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.

3.39 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 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.
- A. 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.

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3.40 Delays

- A. By the Contractor: 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 any means available to FW, including (but not limited to) liquidated damages, redeeming the Contractor's Performance Bond (or other security as agreed to by FW prior to contract award); and to recover any additional costs, lost funds and/or related expenses. This is not a limitation of FW's legal rights to recover damages due to Contractor default in any other way.
- B. By FW: The Contractor shall not be responsible for delays caused by FW, its agents, or other Contractors. To the extent that the Contractor is unable to proceed due to the actions or inaction's of FW, its agents, employees, or other Contractors, the Contractor shall be granted an extension to the installation schedule equal to the documented amount of time the Contractor was prevented from performing work. The Contractor shall not be eligible for damages as a result of FW delays.

3.41 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.

3.42 Time is of the Essence

Once started, the project must continue without delay or interruption; 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 qualified replacement to complete the project and charge any additional or increased costs to the Contractor.

3.43 Force Majeure

If a delivery is delayed by Act of God, terrorism, war, embargo, fire, or explosion not caused by the negligence or intentional act of the Contractor or his subcontractors or supplier(s), a reasonable extension of time as FW or the Member deems appropriate may be granted. Upon receipt of a written request and justification for any extension from the Contractor, FW or

the Member may in its sole discretion (i) extend the time for delivery of the Commodity; (ii) suspend the Contract in whole or in part and obtain one or more of the Commodities

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elsewhere for a time, or (iii) terminate the Contract; all without liability to Contractor on the part of FW or Member, as the case may be. Contractor's request and justification shall be subject to such substantiation and further inquiries as FW or Member may require.

3.44 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.

END SECTION 3

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SECTION 4

4 SPECIAL TERMS AND CONDITIONS

4.1 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.

4.2 Site Safety and Access

- A. The Contractor shall schedule and coordinate the Work and install temporary facilities as required to maintain continuous operation and access to existing equipment in the area of Work. The Contractor shall not commence retrofit work until authorized by the FW Project Manager. The Contractor is advised that FW may, at its sole discretion, delay or stop work as required to ensure continuous and reliable operation of the facility, especially during peak flow events.

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- B. The Contractor shall secure the Site and all areas of Work to prevent access and the potential for injury to its employees, FW employees, its agents, and others by construction and installation of temporary guard-rails, fencing, barricades, highway cones, warning signs/tape, etc. and/or other appropriate means, and as directed by the FW Project Manager. Such hazards include but are not limited to mechanical hazards, electrical hazards, surface irregularities, or construction tools, and equipment.
- C. FW shall have the right to deny access to the Site, or require the Contractor to remove from the Site, any individual who has exhibited violent, abusive, threatening, behavior or conduct.
- D. FW may limit, restrict, or prohibit access to areas of the Site on a permanent or temporary basis. When access to such restricted areas is required by the Contractor to perform the Work, the Contractor shall obtain permission from the FW Project Manager and shall comply with such conditions or limitations to access as may be imposed by the FW Project Manager.
- E. FW may restrict parking or require parking permits for vehicles to be brought onto the plant property. The Contractor shall be responsible for arranging transportation for its personnel to reach the job sites from whatever parking area is provided by FW.

4.3 Superintendence by Contractor

- A. The Contractor shall have a competent lead craftsman, satisfactory to FW, on the job site at all times during the progress of the Work. The Contractor shall be responsible for coordinating all portions of the Work under contract except where otherwise specified in the contract documents, and for all safety and worker health programs and practices. The Contractor shall notify the Project Manager, in writing, of any proposed change in superintendent including the reason therefore prior to making such change.
- B. The Contractor shall at all times enforce strict discipline and good order among the workers on the project. The Contractor shall not employ on the Project any unfit person, anyone not skilled in the work assigned to him, or anyone who will not work in harmony with those employed by the Contractor, subcontractors, FW, or FW's separate Contractors and their subcontractors.
- C. FW may, in writing, require the Contractor to remove from FW property, any employee FW deems to be incompetent, careless, not working in harmony with others on the site, or otherwise objectionable.

END SECTION 4

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
Capacity, Load Testing, and Repair Services

ATTACHMENT 1

EQUIPMENT LIST

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance, Capacity Testing, Load Testing, and Repair Services
Contract Year 10/01/17 - 07/31/22 - Updated Equipment List as of May 24, 2017
ATTACHMENT 1
EQUIPMENT LIST

Item #	ID Number	Equipment Type	Manufacturer	Model Number	Size	Serial Number	Location
1	350189	CTP Foxmill Battery Charger 1 (Switchgear)	LaMarche	A12B-10-130V-A1-92N-	92 Cells ALCAD ACS5P	109847-2 (4704)	Fox Mill Pump Station, Herndon, VA
2	350190	CTP Foxmill Battery Charger 2 (Switchgear)	LaMarche	A12B-10-130V-A1-92N-	92 Cells ALCAD ACS5P	109847-1 (4704)	Fox Mill Pump Station, Herndon, VA
3	444139	CTP Foxmill Battery Rack (10 Batteries)	ENERSYS	SBS B14		NOSN	Fox Mill Pump Station, Herndon, VA
4	364129	CTP FW1 Battery Rack 1 (Switchgear)	GNB Industrial Power			142659-3804	CTP Finished Water Pumping Station 1
5	364130	CTP Battery Rack 2 (FWP Discharge Valve)	GNB Industrial Power			142659-3804	CTP Finished Water Pumping Station 1
6	434320	CTP FW/PS1 Charger for Battery Rack 1 (Switchgear)	SENS	F312025F6E3FHG605149	25/210AH	142658-3804/	FW1-Corbalis Treatment Plant, Herndon, VA
7	434321	CTP FW/PS1 Charger for Battery Rack 2 (FWP Dis Viv)	SENS	F312025F6E3FHG605149	25/210AH	142659-3804/	FW1-Corbalis Treatment Plant, Herndon, VA
8	434322	CTP FW/PS2 Charger for Battery Rack 1 (Switchgear)	SENS	DC1120-25-8653 /50A9	25/210AH	142463-3104	FW2 - Corbalis Treatment Plant, Herndon, VA
9	434323	CTP FW/PS2 Charger for Battery Rack 2 (FWP Dis Viv)	SENS	DC1120-25-8653	25/208AH	142462-3104	FW2 - Corbalis Treatment Plant, Herndon, VA
10	364183	CTP FW/PS2 UPS Battery Rack 1 (Switchgear)	GNB Industrial Power	142463			FW2-Corbalis Treatment Plant, Herndon, VA
11	364184	Discharge Valves)	GNB Industrial Power	142462			FW2-Corbalis Treatment Plant, Herndon, VA
12	350488	CTP Langley Battery Rack (4 Batteries)	GNB	M12V40	M12V40	Not Applicable	Langley Pump Station, Langley, VA
13	350493	CTP Langley DC Battery Charger	SENS	NRG24-10-RC	10AMP	234359	Langley Pump Station, Langley, VA
14	434330	CTP RW/PS Battery Charger 1	SAFT	ISCR4-130-012	SPEC-3001-T-C-50	311306/622340-GF	Raw Water Pump Station, Herndon, VA
15	402013	CTP RW/PS Battery Rack 1	SAFT	SPH-45 TYPE: NI-CAD	96 Cells SPH-45 NI-CAD	Not Applicable	Raw Water Pump Station, Herndon, VA
16	428012	CTP RW/PS Outdoor Substation 34 5 to 4160 Battery Charger	Allied C&D Power Systems	ARE48AC6F	SPEC-3001-T-C-50	1ES841710	Raw Water Pump Station, Herndon, VA
17	428013	Battery Charger	Energys	Power Sale - C	8 Cells 3CC-5	Not Applicable	Raw Water Pump Station, Herndon, VA
18	428034	CTP Stuart Ridge I Battery Charger	C&D Tech Inc.	ARE-M04812A	Series ARE-M	GPS0933500	Corbalis Treatment Plant, Herndon, VA
19	428035	CTP Stuart Ridge I Battery Rack	Energys Co.	3CC-5M	100AH 8 Cells	Not Applicable	Corbalis Treatment Plant, Herndon, VA
20	428044	CTP Stuart Ridge 2 Battery Charger	C&D Tech Inc.	ARE-M04812A	Series ARE-M	GPS0933497	Corbalis Treatment Plant, Herndon, VA
21	428045	CTP Stuart Ridge 2 Battery Rack	Energys Co.	3CC-5M	100AH 8 Cells	Not Applicable	Corbalis Treatment Plant, Herndon, VA
22	402011	CTP Tyson's II Battery Charger 1	LaMarche	A12B40130VA192N00539	Not Applicable	122431-1[3905]	Tyson's Corner Pump Station, Mclean, VA
23	402012	CTP Tyson's II Battery Charger 2	LaMarche	A12B40130VA192N00539	Not Applicable	122431-1[3905]	Tyson's Corner Pump Station, Mclean, VA
24	410040	CTP Tyson's II Battery Rack (10 Batteries)	ALCAD	Not Applicable	92 Cells ALCAD ACS5P	N/A/KM55P	Tyson's Corner Pump Station, Mclean, VA
25	410039	CTP Tyson's II Battery Inverter DC to AC	LaMarche	A31-4K120V-A6-92N-00	A12B-40-130V-A1-92N-00539	122431-1[3905]	Tyson's Corner Pump Station, Mclean, VA
26	447205	GTP Facility Support Batteries/Charger Batteries 3CC-5M 20 JANS	Energys	3CC-5M			Griffith Treatment Plant, Lorton, VA
27	371425	GTP FSC Switchgear Battery Charger	HITTRAN	AT110-130-016-0103000	130V 16A	14497/422830-AA	Griffith Treatment Plant, Lorton, VA
28	434317	GTP Pohick Battery Charger	NIFE	SCL-48-10	50-60V 10A	C-28723	Pohick Road Pump Station, Lorton, VA
29	350530	3CC-5M batteries	Energys Co.	3CC-5M	100 AH	05VK885**	Pohick Road Pump Station, Lorton, VA
30	475123	GTP Substation Battery Charger/Rectifier	HINDLEPOWER INC.	AT110130025E240SXXXXX		RV031015-1/925590	Griffith Treatment Plant, Lorton, VA
31	475122	GTP Substation Battery Rack	Energys	3CC-9, 602074-CW	(60) 3CC-9M (6 volt, 200 AH)	NA	Griffith Treatment Plant, Lorton, VA

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
Capacity, Load Testing, and Repair Services

ATTACHMENT 2

BID SUBMISSION FORM

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
Capacity Testing, Load Testing, and Repair Services

ATTACHMENT 2
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:

- **BIDDER SHALL FILL IN ALL BLANKS PROVIDED ON THE BID FORM**

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
Capacity Testing, Load Testing, and Repair Services

ATTACHMENT 2
BID SUBMISSION FORM

PART 1 – Repair Services Labor Rates

In the space provided below provide:

- a. List each position by job title that may be assigned to work on the equipment listed herein,
- b. The hourly rates for each job title,
- c. The hourly rates for after-hours (overtime) labor

Job Title	Hourly Rate	Overtime Rate
	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$
	\$	\$

Contractor hereby acknowledges that all replacement parts shall be provided at cost.
Contractor shall submit supplier invoices to support all material charges.

Yes _____

PART 2: Semi-Annual Preventive Maintenance and Capacity Testing to be Performed during October & April Beginning October 2017			
Item #	ID Number	Equipment Type	Total Bid (Lump Sum)
1	350189	CTP Foxmill Battery Charger 1 (Switchgear)	\$
2	350190	CTP Foxmill Battery Charger 2 (Switchgear)	\$
3	444139	CTP Foxmill Battery Rack (10 Batteries)	\$
*4	364129	CTP FWPS1 Battery Rack 1 (Switchgear)	\$
*5	364130	CTP FWPS1 Battery Rack 2 (FWP Discharge Valve)	\$
*6	434320	CTP FWPS1 Charger for Battery Rack 1 (Switchgear)	\$
*7	434321	CTP FWPS1 Charger for Battery Rack 2 (FWP Dis Valve)	\$
*8	434322	CTP FWPS2 Charger for Battery Rack 1 (Switchgear)	\$
*9	434323	CTP FWPS2 Charger for Battery Rack 2 (FWP Dis Valve)	\$
*10	364183	CTP FWPS2 UPS Battery Rack 1 (Switchgear)	\$
*11	364184	CTP FWPS2 UPS Battery Rack 2 (FWP Discharge Valves)	\$
12	350488	CTP Langley Battery Rack (4 Batteries)	\$
13	350493	CTP Langley DC Battery Charger	\$
14	434330	CTP RWPS Battery Charger 1	\$
15	402013	CTP RWPS Battery Rack 1	\$
16	428012	CTP RWPS Outdoor Substation 34.5 to 4160 Battery Charger	\$

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
Capacity Testing, Load Testing, and Repair Services

ATTACHMENT 2
BID SUBMISSION FORM

PART 2: Semi-Annual Preventive Maintenance and Capacity Testing to be Performed during October & April Beginning October 2017 (Continued)			
Item #	ID Number	Equipment Type	Total Bid (Lump Sum)
17	428013	CTP RWPS Outdoor Substation 34.5 to 4160 Battery Charger	\$
*18	428034	CTP Stuart Ridge 1 Battery Charger	\$
*19	428035	CTP Stuart Ridge 1 Battery Rack	\$
*20	428044	CTP Stuart Ridge 2 Battery Charger	\$
*21	428045	CTP Stuart Ridge 2 Battery Rack	\$
22	402011	CTP Tyson's II Battery Charger 1	\$
23	402012	CTP Tyson's II Battery Charger 2	\$
24	410040	CTP Tyson's II Battery Rack (10 Batteries)	\$
25	410039	CTP Tyson's II Battery Inverter DC to AC	\$
26	447205	GTP FSC Batteries/Charger Batteries 3CC-5M 20 JARS	\$
27	371425	GTP FSC Switchgear Battery Charger	\$
28	434317	GTP Pohick Battery Charger	\$
29	350530	GTP Pohick Battery Rack - (8) Jars of Enersys 3CC-5M Batteries	\$
30	475123	GTP Substation Battery Charger/Rectifier	\$
31	475122	GTP Substation Battery Rack	\$
		TOTAL BID – Semi-Annual PM SERVICE	\$

*Equipment to be replaced by FW during December 2018

PART 3: Two Year Load Testing Service to be Performed in Winter 2019, and 2021			
Item #	ID Number	Equipment Type	Total Bid (Lump Sum)
3	444139	CTP Foxmill Battery Rack (10 Batteries)	\$
6	434320	CTP FWPS1 Charger for Battery Rack 1 (Switchgear)	\$
8	434322	CTP FWPS2 Charger for Battery Rack 1 (Switchgear)	\$
10	364183	CTP FWPS2 UPS Battery Rack 1 (Switchgear)	\$
12	350488	CTP Langley Battery Rack (4 Batteries)	\$
15	402013	CTP RWPS Battery Rack 1	\$
17	428013	CTP RWPS Outdoor Substation 34.5 to 4160 Battery Charger	\$
19	428035	CTP Stuart Ridge 1 Battery Rack	\$
21	428045	CTP Stuart Ridge 2 Battery Rack	\$
24	410040	CTP Tyson's II Battery Rack (10 Batteries)	\$
26	447205	GTP FSC Batteries/Charger Batteries 3CC-5M 20 JARS	\$
29	350530	GTP Pohick Battery Rack - (8) Jars of Enersys 3CC-5M batteries	\$
31	475122	GTP Substation Battery Rack	\$
		TOTAL BID - 2 YEAR LOAD TESTING SERVICE	\$

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
Capacity Testing, Load Testing, and Repair Services

ATTACHMENT 2
BID SUBMISSION FORM

Contact Person

List a contact person's name and telephone number for normal FW working hours, 7:30 a.m. to 3:30 p.m., Monday-Friday. Answering machines are unacceptable as a point of contact. For emergency calls, outside normal FW working hours (nights and/or weekends), please list a contact person's name and telephone number, a voice mail paging system, or answering service. Bidders using a voice mail paging system or answering service in lieu of a contact person shall be required to initiate a call back to the sender within (30) thirty minutes.

Type of answering system used by your firm (check one):

_____ Voice Mail Paging System

_____ Answering Service

_____ Other (Specify) _____

Contact(s) for Normal Working Hours:

Name _____

Telephone _____

Name _____

Telephone _____

Contact(s) for Emergency Calls (outside normal FW working hours):

Name _____

Telephone _____

Name _____

Telephone _____

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
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ATTACHMENT 2
BID SUBMISSION FORM

*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 2% Net 30, Net 31, 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.
- **NOTE:** Offers of prompt payment discounts of not less than Net-10 days will be considered in evaluating this solicitation.

By my signature I certify that I am acting as an agent for the above listed firm and 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

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
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ATTACHMENT 3

REFERENCES

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
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ATTACHMENT 3

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: _____

IFB 17-1
Switchgear Battery Inspection/Preventive Maintenance,
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ATTACHMENT 3

REFERENCES

BIDDERS' NAME: _____

4. COMPANY NAME: _____

ADDRESS: _____

CONTACT PERSON: _____

TELEPHONE: (____) - _____ - _____

FAX: (____) - _____ - _____

E-MAIL: _____

5. COMPANY NAME: _____

ADDRESS: _____

CONTACT PERSON: _____

TELEPHONE: (____) - _____ - _____

FAX: (____) - _____ - _____

E-MAIL: _____