

# INVITATION TO BID



## PURCHASING DEPARTMENT

P. O. BOX 1125

216 E. CENTRAL AVENUE

SECOND FLOOR

VALDOSTA, GEORGIA 31601

BID # 14-24-25

**FOR: High Service Finished Water Pump Refurbishment #4**

**BID OPENING DATE: TUESDAY, NOVEMBER 26, 2024**

**TIME: 11:00 AM EST**

**TEFFANT EDWARDS  
PURCHASING AGENT**

(229) 259-3525 • Fax (229) 259-5460

# NOTICE TO DEALERS/VENDORS

1. Any prices bid by dealer/vendor on any items offered to the City of Valdosta shall be the price effective at the date of delivery.
2. No delivery date of "ASAP" (As Soon As Possible) shall be considered acceptable on items that have a maximum delivery date listed in the specifications.
3. The City of Valdosta reserves the right to accept alternate bids on any or all items where maximum delivery date, as listed in the specifications is not met by dealer/vendor.
4. Signature below of authorized agent for dealer/vendor shall constitute recognition and acceptance of all conditions of the sale as listed above.
5. All shipping is to be FOB Valdosta, GA 31601 and included in total price unless otherwise stated in the bid document.
6. Please be aware that private and public mail carriers are not always reliable on next day delivery in our area. Please assure your response is sent in plenty of time to reach us. As you know, late responses are not acceptable. If you utilize the US Postal Service and mail your response to the physical address, the chances are high it will be diverted to our post office box so allow extra time for delivery. Private carries will deliver to the physical address but include "Purchasing, 2<sup>nd</sup> Floor" in your delivery address and be aware that although you pay overnight fees, overnight delivery is not always successful although you are told the delivery time will be met.

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Dealer/Vendor

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Authorized Agent

## GENERAL SPECIFICATIONS

It is the intent of these specifications to furnish the City of Valdosta with the following requisitioned equipment, according to the attached. It is clearly understood that the following are minimum specifications and are made in order to show the exact quality through specifications of the equipment proposed.

The City of Valdosta reserves the right to accept any or all bids or to choose the bid considered to be in their best interest.

The final decision of purchase will be made upon the award of the City of Valdosta Mayor and Council if the item or items total are greater than \$25,000.

**NO BID WILL BE CONSIDERED IF RECEIVED AFTER THE DATE AND TIME SPECIFIED.**

**Be sure to put the Bid Number on the outside of your return envelope.**

Please be aware that private and public mail carriers are not always reliable on next day delivery in our area. Please assure your response is sent in plenty of time to reach us. As you know, late responses are not acceptable. If you utilize the US Postal Service and mail your response you must mail them to our PO Box 1125 Valdosta, GA 31603. Or hand deliver to our physical address at 216 E. Central Ave. Valdosta, GA 31601 "Purchasing, 2nd Floor".

Please visit [www.valdostacity.com](http://www.valdostacity.com) for current or future bid opportunities.

## INSTRUCTIONS TO BIDDERS

1. Proposals must be made upon the form of the proposal attached hereto. They must be enclosed in a sealed plain envelope, with the bid number written on the outside and endorsed with the title of the proposal and must be filed with the Purchasing Agent of the City of Valdosta, located at 216 E. Central Ave 2nd floor. In the event you choose to mail your proposal, it should be mailed to Teffany Edwards, P.A., P.O. Box 1125, Valdosta, Ga. 31603.
2. No bidder will be allowed to withdraw his proposal for any reason whatsoever after the bids have been opened.
3. The specifications represent the minimum general size, weight, capacity and performance characteristics desired in the equipment to be purchased. These requirements are not intended to prevent obtaining fair prices or to eliminate competition, but to insure, if possible, that all bids submitted shall not be subject to correction or alteration after the bid has been filed, opened, and publicly read. In view of an unusual wide disparity in details of design and manufacture, complete descriptive literature and manufacturer's specifications must be submitted on each type of equipment offered. The City of Valdosta reserves the right to evaluate any or all bids, particularly where there is a range in specifications. Special consideration will be given to the ready availability of repair parts and service.
4. Federal or State taxes are not applicable to Georgia Municipalities under the United States Code Title 26 and Georgia Exemption Certificate Number 3-465-686-300-1.
5. It is expressly understood by the bidder that written notice of the award or purchase order by the City of Valdosta will constitute an agreement and consummate the transaction and will serve together with the proposal, the advertisement, these instructions, and the detailed specifications, as the entire form of contract between the parties.
6. The bidder agrees that the City of Valdosta reserves the right to reject any or all proposals, or to accept the part of the bid considered to be in the best interest of the City.
7. Specifications referred to minimum, therefore unless otherwise indicated by the bidder, the City will assume proposals meet or exceed all specifications.
8. The names of a certain brand, make or definite specifications are to demote quality standard of the article desired, but do not restrict bidders to be specific brand, make or manufacturer named; it is to set forth and convey to prospective bidders the general style, type, character and quality of the article desired.
9. The award of the contract will be made to the lowest responsible bidder taking into consideration quality performance and the time specified in the proposals for the performance of the contract. The City of Valdosta reserves the right to reject all bids as appears in its own best interest and to waive technicalities. In cases of a tie, the bid in the best interest of the city will be awarded.

NON-COLLUSION AFFIDAVIT

The following affidavit is to accompany the bid:

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

\_\_\_\_\_  
Owner, Partner or Officer of Firm

\_\_\_\_\_  
Company Name, Address, City and State

Being of lawful age, being first duly sworn, on oath says that he/she is the agent authorized by the bidder to submit the attached bid. Affiant further states as bidder, that they have not been a party to any collusion among bidders in restraint of competition by agreement to bid at a fixed price or to refrain from bidding. Affiant also states as bidder, that they have not been a party to any collusion with any officer of the City of Valdosta or any of their employees as to quantity, quality or price in the prospective contract; and that discussions have not taken place between bidders and any office of the City of Valdosta or any of their employees concerning exchange of money or other things of value for special consideration in submitting a sealed bid for:

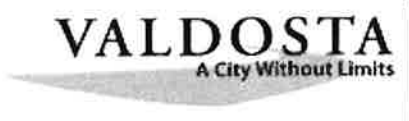
\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public



**GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT**

Contract No. and Name: \_\_\_\_\_

Contractor's Name: \_\_\_\_\_

**City of Valdosta Georgia  
Contractor Affidavit**

By executing this affidavit, the undersigned Contractor verifies its compliance with O.C.G.A. §13-10-91, stating affirmatively that the individual, firm, or corporation which is contracting with the City of Valdosta, Georgia has registered with and is participating in a federal work authorization program\*, in accordance with the applicability provisions and deadlines established in O.C.G.A. 13-10-91.

The undersigned further agrees that, should it employ or contract with any subcontractor(s) in connection with the physical performance of services pursuant to this contract with the City of Valdosta, Georgia, the Contractor will secure from subcontractor(s) similar verification of compliance with O.C.G.A. § 13-10-91 on the Subcontractor Affidavit provided in Rule 300-10-01-.08 or a substantially similar form. Contractor further agrees to maintain records of such compliance and provide a copy of each such verification to the City of Valdosta Georgia at the time the subcontractor(s) is retained to perform such service.

\_\_\_\_\_  
EEV / E-Verify TM User Identification Number

\_\_\_\_\_  
Date of Authorization

\_\_\_\_\_  
BY: Authorized Officer or Agent  
(Contractor Name)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title of Authorized Officer or Agent of Contractor

\_\_\_\_\_  
Printed Name of Authorized Officer or Agent

SUBSCRIBED AND SWORN  
BEFORE ME ON THIS THE  
\_\_\_\_ DAY OF \_\_\_\_\_, 202\_\_

[NOTARY SEAL]

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

\*any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security or any equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, pursuant to the Immigration Reform and Contract Act of 1986 (IRCA), P. L. 99-603

# Scope of Work for High Service Finished Water Pump Refurbishment

**Equipment to Service:** High Service Pump

**Location:** Valdosta Water Treatment Plant at 3863 Guest Road, Valdosta GA

**Customer:** City of Valdosta Utilities Department

## Scope

**General:** Preventive maintenance removal and replacement of High Service pump is required. The contractor will not disturb the pump until directed by the Water plant superintendent. The contractor will be responsible for pump / motor removals, pump buildups with new components, installations of pumps and motors, pump shaft seal replacements, and final operational checks of the pumps and motors. The City of Valdosta will coordinate electric motor pickup, repair/overhaul, and delivery by others. Motor work is not included within this scope other than removal from/installation onto pump. The contractor will procure all pump components and assemble the new replacement pumps.

Pump will be assembled in the contractor's facility then transported to the install location and installed by the pump contractor. The pump contractor will provide documentation certifying components, coatings, materials, and standards used in the new pump assemblies conform to original specs at minimum. Upgrades such as seals, impeller and bearing materials are specified within this scope. Output capacity will equal or exceed original pumps.

All equipment and persons required to remove, test, inspect, transport, and reinstall the pumps will be provided by the pump contractor. All work must be completed no later than \_\_\_\_\_.

All components and tools encountering finished water during pump removal/installation will need to be sterilized with a bleach/hypochlorite mixture suitable to the water plant superintendent immediately prior to contact with finished water. This water is treated drinking water for the City of Valdosta and care must be taken to prevent contamination of the water supply.

Ground storage water tank levels at the water plant must be lowered prior to pump removals/installations. City of Valdosta personnel will lower the ground storage water levels. The pump contractor will provide a block off plate as required at the removed pump location to permit refilling of the plant ground storage tanks immediately after pump removals. **It is imperative pump removal/installation is accomplished within a maximum 4-hour window. Pump removals / installations will be coordinated with the water plant superintendent 2 days in advance of work commencing. Having block off plates onsite and ready for use permits refilling of ground storage tanks within the timeframe allotted above.**

OSHA safety requirements will be followed by the contractor including Lockout/Tagout procedures.

## Scope of Work for High Service Finished Water Pump Refurbishment

**Pump Motors:** Pump motor teardown/overhaul is not included within this scope and will be accomplished by others. Pump motors will be separated and removed from their respective pump assembly by the *pump contractor*. The electric disconnect/reconnect portion of the motor removal/install will be accomplished by others. The pump contractor will place the removed motor onto a trailer provided by others for transport to the motor shop. The motor will be delivered back to the installation site after re-work by others. The pump contractor will remove the motor from the delivery trailer and install onto the pumps. Coordination for motor pickup and delivery will be accomplished by the City of Valdosta.

**Pumps:** All new components will be used for pump buildups and meet at least minimum specs for the original Fairbanks Morse model 17M-7000W design. Used / refurbished components will not be used unless authorized by City of Valdosta representatives. New seals, gaskets, and water slingers will be installed. All pump bolting and washers will be of 316SS. Pump impeller clearances, bearing clearances, and maximum shaft runout will be within tolerances of the applicable OEM pump specifications. A Fairbanks Morse O&M manual is available at the water treatment plant for reference.

A new John Crane Seal will be installed on pump shaft. One spare seal assembly will be included within this scope.

Any contractor recommended paint substitutes must be approved by the City of Valdosta prior to application.

New components will be installed in pumps and listed as follows:

1. Drive shaft assemblies (all sections – from bowl to motor connection) will be replaced with new 316SS items including 316-SS couplings. Drive shaft runout will meet requirements of pump OEM.
2. New bronze drive shaft bearing stabilizers/retainers and seal rings/couplings will be installed.
3. Flanged Column Pipes: Install all new steel items - top sections, intermediate sections, and bowl adapter sections. Replacement items must meet or exceed minimum standards as listed in original pump specifications. Paint all internal and external sections with two-part epoxy coatings as specified in supplied O&M manual. The exterior and interior coatings must be suitable for immersion and contact with drinking water.
4. Bowl Assembly: Replace with new including inlet suction assembly. Bowl wear ring will be bronze. Paint external sections with two-part epoxy coatings as specified in supplied O&M manual. The exterior coatings must be suitable for immersion and contact with drinking water. Interior surfaces will be enamel lined for durability and suitable for contact with drinking water.
5. Suction Strainer Basket and Adapter Pipe Section: Replace strainer basket with new stainless-steel item equal to specs provided in attached documentation. Replace adapter pipe section with new items.
6. A video camera inspection will be accomplished of the can after pump removal. If objects are noted in the can during the video inspection, attempt will be made to remove the objects. City of Valdosta representatives will be notified of any objects noted have final say on leaving any loose object in the can.



## Scope of Work for High Service Finished Water Pump Refurbishment

7. External Piping off Discharge Head: The piping (seal drain, wet well venting system and seal body tubing) will be replaced with new components when unit is installed.
8. All necessary consumables, lifting equipment, and support equipment will be supplied by contractor. 120 volt/60 Hz single phase power is available for contractor needs.
9. **All threaded fasteners and washers will be new, constructed of 316SS stainless steel and of grade required by pump OEM.**

Components to be refurbished are listed as follows:

10. Steel Discharge Heads - Strip factory applied coating to white metal and inspect for reuse. Set up discharge head (item 7) measure, document as found fit clearance, perpendicularity, and concentricity to packing box (Item 17) and column pipe (Item 21). Generate as found report and recommendations. Repair as needed to ensure the following:

- **Tolerance:** Fits to be 0.001" – 0.002"
- **Tolerance:** Concentricity to be within 0.002" TIR
- **Tolerance:** Parallelism/Perpendicularity to be within 0.002" TIR

Paint with two-part epoxy coatings as specified in supplied O&M manual. The interior coatings must be suitable for immersion and contact with drinking water. Exterior coating will closely match existing color.

**Post Maintenance Operational Checks:** Pumps and motors will be operationally checked after reinstallation. A successful 48-hour test run-in will be accomplished by the contractor to ensure pumps/motors operate satisfactorily.

Pump vibration during steady state operation will conform to ANSI/HI 9.6.4-2009 standards for VS1 design vertical turbine pumps. **Acceptable vibration limits (268 BHP & above) are: Preferred Operating Range (POR) – 0.17 in/sec or less.**

The City of Valdosta will verify vibration levels using a Fluke 805 analyzer and the vibration reading final acceptance/approval will be with the customer owned Fluke 805 analyzer. Vibration levels greater than the above specification are not acceptable.

Pump operational problems or leaks will be corrected by the pump contractor. The pump contractor will provide written documentation with details of pump/motor operation. This written documentation will include pump output in gallons per minute, motor amperage, motor temperature after 1 hour of continuous operation, and motor/pump vibration data obtained with a vibration analyzer.

Motor operational problems will be corrected by others.

**Component Discrepancies:** The pump contractor will ensure completed work is free of material and workmanship defects. City of Valdosta representatives will be permitted to inspect work in progress

## Scope of Work for High Service Finished Water Pump Refurbishment

and or finished work as deemed necessary by the City of Valdosta. The contractor shall not be placed into "work stoppage" if City of Valdosta representatives are not available.

**Adders:** Upgrades desired by the City of Valdosta will be listed in this scope as "adders". Any *defects* not covered by this scope will also be considered "adders" and the contractor will provide a written description of noted discrepancies. The City of Valdosta will then decide course of action for any additional work due to noted discrepancies. Changes to the agreed upon work scope will not be accomplished unless City of Valdosta approves such changes, and any additional costs are provided by the contractor.

**1. Impellers and Collets (UPGRADE):** Install n316S impellers and 316 SS collets.

**Warranty:** Contractor will supply a one-year workmanship warranty on any work accomplished and will provide re-work at no charge during the warranty period to correct contractor workmanship discrepancies.

Attachments:

1. Original Fairbanks Morse High Service Pump O&M Specifications.
2. Original Fairbanks Morse High Service Pump performance curve.

### QUOTES:

**Contractor:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Pump Quote:** \$ \_\_\_\_\_

**Labor Quote:** \$ \_\_\_\_\_

**Mobilization Fee:** \$ \_\_\_\_\_

**Misc Costs:** \$ \_\_\_\_\_

**Scope of Work for High Service Finished Water Pump Refurbishment**

**Total Cost:** \$ \_\_\_\_\_

**Planned Project Completion**

**Date:** \_\_\_\_\_

**City of Valdosta Acceptance:** \_\_\_\_\_

**Date Accepted:** \_\_\_\_\_

**City of Valdosta Acceptance:** \_\_\_\_\_

**Date Accepted:** \_\_\_\_\_