

***CITY OF FORT LAUDERDALE
SPECIFICATIONS PACKAGE***

413-10569

**Water Meters, Groups I thru V (Annual
Contract)**



Bob McKenney

954-828-5139

Bid 413-10569 Water Meters, Groups I thru V (Annual Contract)

Bid Number 413-10569
Bid Title Water Meters, Groups I thru V (Annual Contract)

Bid Start Date Oct 8, 2010 2:46:44 PM EDT
Bid End Date Oct 25, 2010 2:00:00 PM EDT
Question & Answer
End Date Oct 21, 2010 2:00:00 PM EDT

Bid Contact Bob McKenney
 Procurement Specialist II
 Procurement
 954-828-5139
 RMcKenney@fortlauderdale.gov

Contract Duration 1 year
Contract Renewal 3 annual renewals
Prices Good for 90 days

Bid Comments The City of Fort Lauderdale is actively seeking bids from qualified bidders, hereinafter referred to as the Contractor, to provide an annual contract for Water Meters for the Public Works Department in full accordance with the specifications, terms, and conditions contained in this Invitation to Bid (ITB).

For information concerning procedures for responding to this ITB, contact Procurement Specialist II Bob McKenney at 954.828.5139 or rmckenney@fortlauderdale.gov. Any questions that bidders wish to have addressed and which might require an addendum must be submitted through the Question and Answer format through the BidSync website. If required, written addendum will be issued by the City.

The City of Fort Lauderdale uses BidSync (www.BidSync.com) to distribute and receive bids and proposals. There is no charge to vendors/contractors to register and participate in this solicitation process, nor will any fees be charged to the awarded vendor. Refer to www.BidSync.com for further information.

All bids should be submitted electronically through www.BidSync.com.

Added on Oct 11, 2010:
Addendum #1

Part 4. 4.05 strainers add, strainers must be assembled to meter.
Added on Oct 12, 2010:
Addendum #2

10569 Part II sc.doc has been revised and replaced. There were major revisions to Part 7.

Changes made on Oct 11, 2010 8:39:05 AM EDT

Changes made on Oct 12, 2010 12:46:30 PM EDT

New Documents 10569 Part II sc.doc

Removed Documents 10569 Part II sc.doc

Item Response Form

Item 413-10569-1-01 - Group I : Cold Water Positive Displacement Meter, 5/8"
 Lot Description COLD WATER METERS, SPLIT CASE, SIZES 5/8" TO 2"
 Quantity 1200 each
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
 Qty 1200

Description
 See attached Bid Specifications.

Item 413-10569-1-02 - Group I : Cold Water Positive Displacement Meters 3/4"
 Lot Description COLD WATER METERS, SPLIT CASE, SIZES 5/8" TO 2"
 Quantity 500 each
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
 Qty 500

Description
 See attached Bid Specifications.

Item 413-10569-1-03 - Group I : Cold Water Positive Displacement Meter 1"
 Lot Description COLD WATER METERS, SPLIT CASE, SIZES 5/8" TO 2"
 Quantity 1200 each
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
 Qty 1200

Description

See attached Bid Specifications.

Item **413-10569-1-04 - Group I : Cold Water Positive Displacement Meter 1 1/2"**
 Lot Description **COLD WATER METERS, SPLIT CASE, SIZES 5/8" TO 2"**
 Quantity **200 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 200

Description
 See attached Bid Specifications.

Item **413-10569-1-05 - Group I : Cold Water Positive Displacement Meter 2"**
 Lot Description **COLD WATER METERS, SPLIT CASE, SIZES 5/8" TO 2"**
 Quantity **200 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 200

Description
 See attached Bid Specifications.

Item **413-10569-2-01 - Group II: Cold Water Meter Compound Type, 4"**
 Lot Description **Cold Water Meters, Compound type**
 Quantity **8 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 8

Description

See attached bid specifications.

Item **413-10569-2-02 - Group II: Cold Water Meter Compound Type, 6"**
 Lot Description **Cold Water Meters, Compound type**
 Quantity **5 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 5

Description

See attached Bid Specifications.

Item **413-10569-2-03 - Group II: Cold Water Meter Compound Type, 8"**
 Lot Description **Cold Water Meters, Compound type**
 Quantity **1 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 1

Description

See attached Bid Specifications.

Item **413-10569-3-01 - Group III: Cold Water Multi-Jet Meters 5/8"**
 Lot Description **COLD WATER METERS, MULTI-JET, 5/8" - 2"**
 Quantity **1200 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 1200

Description

See attached Bid Specifications.

Item **413-10569-3-02 - Group III: Cold Water Multi-Jet Meters 3/4"**
 Lot Description **COLD WATER METERS, MULTI-JET, 5/8" - 2"**
 Quantity **1200 each**
 Unit Price

Make and Model

Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 1200

Description
 See attached Bid Specifications.

Item **413-10569-3-03 - Group III: Cold Water Multi-Jet Meters 1"**

Lot Description **COLD WATER METERS, MULTI-JET, 5/8" - 2"**

Quantity **1200 each**

Unit Price

Make and Model

Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 1200

Description
 See attached Bid Specifications.

Item **413-10569-3-04 - Group III: Cold Water Multi-Jet Meters 1 1/2"**

Lot Description **COLD WATER METERS, MULTI-JET, 5/8" - 2"**

Quantity **300 each**

Unit Price

Make and Model

Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 300

Description
 See attached Bid Specifications.

Item **413-10569-3-05 - Group III: Cold Water Multi-Jet Meters 2"**

Lot Description **COLD WATER METERS, MULTI-JET, 5/8" - 2"**

Quantity **300 each**

Unit Price

Make and Model

Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 300

Description
 See attached Bid Specifications.

Item **413-10569-4-01 - Group IV: Fire Service Water Meter Assemblies, 4"**
 Lot Description **Fire Service Water Meter Assemblies (Compact Fireline Type) with TR/PL Registers.**
 Quantity **1 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 1

Description
 See attached Bid Specifications

Item **413-10569-4-02 - Group IV: Fire Service Water Meter Assemblies, 6"**
 Lot Description **Fire Service Water Meter Assemblies (Compact Fireline Type) with TR/PL Registers.**
 Quantity **8 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 8

Description
 See attached Bid Specifications.

Item **413-10569-4-03 - Group IV: Fire Service Water Meter Assemblies, 8"**
 Lot Description **Fire Service Water Meter Assemblies (Compact Fireline Type) with TR/PL Registers.**
 Quantity **1 each**
 Unit Price
 Make and Model
 Delivery Location **City of Fort Lauderdale**
Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
Qty 1

Description
 See attached Bid Specifications.

Item **413-10569-4-04 - Group IV: Fire Service Water Meter Assemblies, 10"**
 Lot Description **Fire Service Water Meter Assemblies (Compact Fireline Type) with TR/PL Registers.**
 Quantity **1 each**
 Unit Price
 Make and Model

Delivery Location **City of Fort Lauderdale**
 Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
 Qty 1

Description
See attached Bid Specifications.

Item **413-10569-5-01 - Group V: Cold Water Meter, Fire Hydrant, 3"**
Lot Description **COLD WATER FIRE HYDRANT METER, 3" WITH CONNECTIONS.**
Quantity **100 each**
Unit Price
Make and Model
Delivery Location **City of Fort Lauderdale**
 Public Works Administration Building
 949 NW 38th Street
 Ft. Lauderdale FL 33309
 Qty 100

Description
See attached Specifications.

INVITATION TO BID NUMBER: 413-10569
TITLE: Water Meters, Groups I thru V.

PART I - INFORMATION SPECIAL CONDITIONS

01. PURPOSE

The City of Fort Lauderdale, Florida (City) is seeking bids from qualified bidders, hereinafter referred to as the Contractor, to provide an annual contract for Water Meters for the City's Public Works Department, in accordance with the terms, conditions, and specifications contained in this Invitation For Bid (ITB).

02. INFORMATION OR CLARIFICATION

For information concerning procedures for responding to this solicitation, contact Procurement Specialist Bob McKenney at 954.828.5139 or email at rmckenney@fortlauderdale.gov. Such contact shall be for clarification purposes only.

For information concerning technical specifications please utilize the question / answer feature provided by BidSync at www.bidsync.com. Questions of a material nature must be received prior to the cut-off date specified in the solicitation. Material changes, if any, to the scope of services or bidding procedures will only be transmitted by written addendum. (See addendum section of BidSync Site). Contractors please note: No part of your bid can be submitted via FAX. No variation in price or conditions shall be permitted based upon a claim of ignorance. Submission of a bid will be considered evidence that the Contractor has familiarized themselves with the nature and extent of the work, and the equipment, materials, and labor required. The entire bid response must be submitted in accordance with all specifications contained in this solicitation.

It is the sole responsibility of the Contractor to ensure that their bid is submitted electronically through BidSync at www.bidsync.com or reaches the City of Fort Lauderdale City Hall, Procurement Services Department, 6th floor, Room 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301 in a sealed envelope marked on the outside with the ITB solicitation number and Contractor's name, no later than the time and date specified in this solicitation.

03. TRANSACTION FEES

The City of Fort Lauderdale uses BidSync (www.bidsync.com) to distribute and receive bids and proposals. There is no charge to vendors/contractors to register and participate in the solicitation process, nor will any fees be charged to the awarded contractor.

04. ELIGIBILITY

To be eligible for award of a contract in response to this solicitation the Contractor must demonstrate that they have successfully completed services, as specified in the Technical Specifications / Scope of Services section of this solicitation, are normally and routinely engaged in performing such services and are properly and legally licensed to perform such work. In addition, the Contractor must have no conflict of interest with regard to any other work performed by the Contractor for the City of Fort Lauderdale.

MINIMUM QUALIFICATIONS: Unless otherwise noted, minimum requirements must be met at the time of bid due date.

05. PRICING/DELIVERY

Delivery is required within 10 business days after receipt of purchase order. Failure to meet this delivery date may be deemed as non-responsive.

All deliveries are to be shipped F.O.B. Destination, Freight included.

Contractor must quote a firm, fixed annual price for all services stated in the ITB.

06. **BID DOCUMENTS**

The Contractor shall examine this bid carefully. Ignorance of the requirements will not relieve the Contractor from liability and obligation under the Contract.

07. **AWARD**

Award may be by Group or Item, whichever is determined to be in the best interest of the City. Award will be made to the responsive and responsible bidder, quoting the lowest price, for that product/service that will best serve the needs of the City of Fort Lauderdale.

The City reserves the right to award to that bidder who will best serve the interests of the City. The City also reserves the right to waive minor variations in the specifications and in the bidding process. The City further reserves the right to accept or reject any and/or all bids and to award or not award a contract based on this bid solicitation.

08. **GENERAL CONDITIONS**

General Conditions Form G-107 Rev. 06/09 (GC) are included and made a part of this ITB.

09. **NEWS RELEASES/PUBLICITY**

News releases, publicity releases, or advertisements relating to this contract or the tasks or projects associated with the project shall not be made without prior City approval.

10. **CONTRACTORS' COSTS**

The City shall not be liable for any costs incurred by proposers in responding to this solicitation.

11. **RULES AND SUBMITTALS OF BIDS**

The signer of the bid must declare that the only person(s), company or parties interested in the proposal as principals are named therein; that the bid is made without collusion with any other person(s), company or parties submitting a bid; that it is in all respects fair and in good faith, without collusion or fraud; and that the signer of the bid has full authority to bind the principal bidder.

13. **APPROVED EQUAL OR ALTERNATIVE PRODUCT PROPOSALS**

The Technical Specifications contained in this solicitation are to be used as a reference only, except where stated otherwise, and are not to be considered of a proprietary nature. These specifications represent a level of quality and features that are desired by the City of Fort Lauderdale. The City is receptive to any product that would be considered by qualified City personnel as an approved equal.

The Contractor must state clearly in their bid pages any variance to the specifications. If proposing an approved equal or alternate product, it will be the Contractor's responsibility to provide adequate information in their proposal to enable the City to ensure that the Contractor meets the required criteria. If adequate information is not submitted with the bid, it may be rejected.

The City of Fort Lauderdale will be the sole judge in determining if the product proposed qualifies as approved equal. The City reserves the right to award to that Contractor which will best serve the interest of the City as determined by the City. The City further reserves the right to waive minor variations to specifications and in the bidding process.

15. **CONTRACT PERIOD**

The initial contract term shall commence upon date of award by the City or November 20, 2010, whichever is later, and shall expire one year from that date. The City reserves the right to extend the contract for three, additional one year terms, providing all terms conditions and specifications remain the same, both parties agree to the extension, and such extension is approved by the City.

In the event services are scheduled to end because of the expiration of this contract, the Contractor shall continue the service upon the request of the Director of Procurement Services. The extension period shall not extend for more than ninety (90) days beyond the expiration date of the existing contract. The Contractor shall be compensated for the service at the rate in effect when this extension clause is invoked by the City.

16. **COST ADJUSTMENTS**

Prices quoted shall be firm for the initial contract term of one year. No cost increases shall be accepted in this initial contract term. Please consider this when providing your pricing for this request for proposal.

Thereafter, any extensions which may be approved by the City shall be subject to the following: Costs for any extension terms shall be subject to an adjustment only if increases or decreases occur in the industry. Such adjustment shall be based on the latest yearly percentage increase in the All Urban Consumers Price Index (CPI-U) as published by the Bureau of Labor Statistics, U.S. Dep't. of Labor, and shall not exceed five percent (5%).

The yearly increase or decrease in the CPI shall be that latest Index published and available for the calendar year ending 12/31, prior to the end of the contract year then in effect, as compared to the index for the comparable month, one-year prior.

Any requested adjustment shall be fully documented and submitted to the City at least ninety (90) days prior to the contract anniversary date. Any approved cost adjustments shall become effective on the beginning date of the approved contract extension.

The City may, after examination, refuse to accept the adjusted costs if they are not properly documented, or considered to be excessive, or if decreases are considered to be insufficient. In the event the City does not wish to accept the adjusted costs and the matter cannot be resolved to the satisfaction of the City, the Contract will be considered cancelled on the scheduled expiration date.

20. **INVOICES/PAYMENT**

Payment terms will be considered to be net 30 days after the date of satisfactory delivery at the place of acceptance and receipt of correct invoice at the office specified, whichever occurs last. Bidder may offer cash discounts for prompt payment but they will not be considered in determination of award.

25. **INSURANCE**

The Contractor shall furnish proof of Workers' Compensation Insurance, General Liability Insurance and Comprehensive Automobile Liability Insurance. The coverage is to remain in force at all times during the contract period. The following minimum insurance coverage is required. The City is to be added as an "additional insured" with relation to General Liability Insurance. This MUST be written in the description section of the insurance certificate, even if you have a check-off box on your insurance certificate. Any costs for adding the City as "additional insured" will be at the contractor's expense.

The Contractor must have a Financial Size Categories (FSC) rating of no less than "A-" by the latest edition of Best's Key Rating Guide, or acceptance of insurance company that holds a valid Florida Certificate of Authority issued by the State of Florida, Department of Insurance, and are members of the Florida Guarantee Fund.

Workers' Compensation and Employers' Liability Insurance

Limits: Workers' Compensation – Per Florida Statute 440
Employers' Liability - \$500,000

Any firm performing work on behalf of the City of Fort Lauderdale must provide Workers' Compensation insurance. Exceptions and exemptions can only be made if they are in accordance with Florida Statute. For additional information contact the Department of Financial Services, Workers' Compensation Division at (850) 413-1601 or on the web at www.fldfs.com.

Commercial General Liability Insurance

Covering premises-operations, products-completed operations, independent contractors and contractual liability.

Limits: Combined single limit bodily injury/property damage \$1,000,000.

This coverage must include:

- a. Coverage for the liability assumed by the contractor under the indemnity provision of the contract.

Automobile Liability Insurance

Covering all owned, hired and non-owned automobile equipment.

Limits: Bodily injury	\$250,000 each person
	\$500,000 each occurrence
Property damage	\$100,000 each occurrence

A copy of **ANY** current Certificate of Insurance should be included with your proposal.

In the event that you are the successful bidder, you will be required to provide a certificate naming the City as an "additional insured" for General Liability.

Certificate holder should be addressed as follows:

City of Fort Lauderdale
Procurement Services Department
100 N. Andrews Avenue, Room 619
Ft. Lauderdale, FL 33301

35. PUBLIC ENTITY CRIMES

NOTE: Contractor, by submitting a proposal attests they have not been placed on the convicted vendor list.

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for Category Two for a period of 36 months from the date of being placed on the convicted vendor list.

38. CANADIAN COMPANIES

The City may enforce in the United States of America or in Canada or in both countries a judgment entered against the Contractor. The Contractor waives any and all defenses to the City's enforcement in Canada, of a judgment entered by a court in the United States of America. All monetary amounts set forth in this Contract are in United States dollars.

39. LOBBYING ACTIVITIES

ALL CONTRACTORS PLEASE NOTE: Any contractor submitting a response to this solicitation must comply, if applicable, with City of Fort Lauderdale Ordinance No. C-00-27 & Resolution No. 07-101, Lobbying Activities. Copies of Ordinance No. C-00-27 and Resolution No. 07-101 may be obtained from the City Clerk's Office on the 7th Floor of City Hall, 100 N. Andrews Avenue, Fort Lauderdale, Florida. The ordinance may also be viewed on the City's website at <http://www.fortlauderdale.gov/clerk/LobbyistDocs/lobbyistord1009.pdf> .

40. BID TABULATIONS/INTENT TO AWARD

Notice of Intent to Award Contract/Bid, resulting from the City's Formal solicitation process, requiring City Commission action, may be found at: http://www.fortlauderdale.gov/purchasing/notices_of_intent.htm . Tabulations of receipt of those parties responding to a formal solicitation may be found at: <http://www.fortlauderdale.gov/purchasing/bidresults.htm> , or any interested party may call the Procurement Services Department at 954-828-5933.

PART 2 ADDITIONAL REQUIREMENTS

2.01 BASIS OF PAYMENT

Unit prices as proposed will be used for the basis of payment. Pricing shall include all transportation charges, labor and equipment used for delivery to destination and any charges necessary for the repair, testing and/or exchange of any item that fails to meet specifications.

2.02 GUARANTEE

Bidder should indicate or attach the manufacturer's standard warranty/guarantee against defective materials and workmanship.

2.03 SALES TO OTHER GOVERNMENTAL AGENCIES

By virtue of bidding, the bidder agrees to permit any incorporated area that is serviced by the City of Fort Lauderdale (with a master meter), to purchase meters when required, per the terms and conditions of any resulting contract. Such permission would allow for freight rate adjustment(s) applicable to variables in shipping weights and delivery points as well as deviation in quantity shipped from established minimum shipments. Invoices will be directed to the ordering agency. As part of this agreement, the City reserves the right to resell any meter or meter parts to any local governmental agency.

2.04 PRICES OF REPAIR PARTS

The prices of repair parts will be calculated as a discount off an existing price list in effect at the time of shipment, FOB destination with freight prepaid and added to invoice.

2.05 REPAIR PARTS PRICE LIST

Bidder is to provide a complete list of all necessary repair parts and should indicate the percentage discount OFF LIST PRICE allowed to the City. As the City of Fort Lauderdale has water service meters of various manufactures in its system, the City reserves the right to purchase repair parts from each bidder at the stated discount even though none of the manufacturer's meters may be purchased during the contract period. BIDS WILL NOT BE ACCEPTED FROM BIDDERS WHO FAIL TO INDICATE THE DISCOUNT ALLOWED. Bids from meter parts dealers will also be accepted.

Where meters are designed for factory repair, the bidder must submit the complete conditions for repair and provide price structure for such repairs. Meters that are designed for factory repair only are not acceptable.

2.06 DESCRIPTIVE LITERATURE

Bidder should indicate the name of the manufacturer and model number of the meter(s) bid, and should enclose complete descriptive literature giving full product description, technical data and point of manufacture.

2.07 SAMPLES

Bidder shall submit a sample meter only when requested by the City. Such sample shall be furnished within seven (7) days after formal request is made and should be of the size and design requested, registering U. S. gallons and shall be a representative meter taken from the manufacturer's stock, being an exact duplicate of the meter bid. Samples will be furnished free of expense to the City and if not

used in testing or destroyed, will, upon formal request, be returned at the bidder's expense within thirty (30) days after award of contract(s).

2.08 ORDERING

Orders will be placed as necessary during the contract term. Every effort will be made to adjust to unit packing, if possible.

PART 3. WATER METER SPECIFICATIONS (APPLICABLE TO ALL GROUPS)

3.01 GUARANTEE

- A. Supplier shall guarantee materials and workmanship of all meters and meter parts to operate within the range of the latest revision of the AWWA Manual M6 Test Specifications for a period of at least one (1) year after receipt of meters. Upon request by the City, the manufacturer shall submit a certificate and/or lab analysis on a shipment indicating the copper content and alloys in any bronze part of the meter to verify compliance with these specifications.
- B. Where meters fail to operate accordingly for one (1) year, the parts to replace such defects shall be supplied without charge (piece for piece) upon the return of such defective parts to the supplier OR upon the proper proof of such defects. Where meters, or a portion thereof, must be factory repaired, the supplier shall assume all shipping charges; replace all defective parts, and make necessary repairs required to replace such defective meters in suitable condition and return repaired meters at no cost to the City.
- C. Guarantees are to be firmly stated in your bid proposal. Failure to do so could result in the rejection of your bid.
- D. Guarantee does not apply if vandalism, negligence, improper installation, excessive operating conditions, or other circumstances over which the contractor has no control cause damage or inaccuracy.

3.02 MANUFACTURE

Meters offered shall have a minimum of three (3) years satisfactory operating experience as marketable products. Limited experimental history is not acceptable. Bidders shall list any meter offered that has not been in production for three (3) years. Certified copy or copies of sale slip(s) may be required as proof that the manufacturer has been selling meters as stipulated.

3.03 AFFIDAVID OF COMPLIANCE

Prior to awarding a contract, the City may require an affidavit from the manufacturer or vendor concerning history of manufacture and compliance with specifications herein and to applicable AWWA standards.

3.04 HEAD LOSS CURVES

Each bidder should furnish with his proposal, published guaranteed accuracy and head loss curves for each size and model of meter proposed as per AWWA New Meter Accuracy Standards.

3.05 INSPECTION, REGISTRATION AND TESTS

- A. The vendor shall be responsible for delivering all meters in a first class condition. The City will inspect and test each meter at the flows specified in the latest revision of the AWWA Manual M6 and any meter failing to register accurately according to these test specifications shall be

rejected and returned to the vendor. Rejected meters shall be repaired or replaced by the vendor at no cost to the City.

- B. To cover costs of testing, a charge of \$25.00 will be made against the supplier and paid as reimbursement to the City by the supplier for each meter failing to pass inspection or tests. The tests made by the City will be final and binding. The supplier may observe any or all testing.
- C. If more than 3% of any order placed fails to pass inspection and tests, the City reserves the right to reject the entire order.

3.06 TEMPERATURE EXTREMES

Where temperatures higher than 80 degrees Fahrenheit affect a manufacturer's cold-water meters, these meters shall be provided with meter discs having larger clearance than usual. The City will use water of approximately 80 degrees Fahrenheit to conduct the testing.

3.07 STANDARDS

Unless otherwise stated, the water meters to be furnished will equal or exceed the requirements of AWWA specifications C-700 as most recently revised thereof with particular reference to flow capacity, pressure loss, accuracy, and physical dimensions, with the exception of any specific additions or changes set forth per specifications herein. All applicable standards as referenced shall be the latest revision of the standard(s) referred to.

3.08 ELECTRONIC REGISTERS (For Compound and Fire Service Meters ONLY)

- A. All electronic registers shall be magnetically driven and be completely and permanently hermetically sealed at the factory. Sealing is to be such that it renders the register impervious to atmospheric pressure changes and prevents, without the need of condensation preventive capsules, moisture within the register chamber.
- B. All electronic registers shall be of the straight reading type in U. S. gallons. Registers shall be equipped with a full 360-degree sweep test hand and a low flow leak detector that is independent from the standard sweep hand.
- C. Electronic registers equipped with change gears for calibration purposes shall be supplied with only one (1) standard gear combination in order to allow register exchanges in the future without affecting the meter's accuracy.
- D. It is preferred that all intermediate gears associated with the register drive be isolated so as not to be exposed to the water.
- E. The electronic register and remote must conform to AWWA standard C-707 as most recently revised.
- F. The electronic register shall have three terminal connections and have pitset capability. The connection between the meter register and the remote pitlid module shall be accomplished with the use of all three terminal connections by using 3-conductor cable. This will permit the register to be converted to automatic meter reading (AMR) in the future. The register shall transmit the meter reading and register identification number directly to the interrogation device when interrogated through the pitlid module. To ensure a reliable interrogation system in the moisture environment of a meter pit or vault, the pitlid-mounted module shall be housed in a separate enclosure with factory sealed connections consisting of an environmentally approved epoxy at both the pitlid module and register terminal connections. This shall be vendor provided to prevent moisture penetration and eliminate the need for field sealing requirements. Registers

for pitset environments shall be housed in a dry, hermetically sealed enclosure that will prevent moisture from entering the register enclosure.

- G. Electronic registers output data format for automatic meter reading (AMR) shall be 7-bit American Standard Code for Information Interchange (ASCII) Digital, plus an even parity bit. The first character shall identify the meter manufacturer followed by a 4- digit, or 6-digit meter reading, followed by an 8-digit meter ID number. The register identification number is to be factory set and non-programmable so as to protect the integrity of the system by eliminating possible programming duplication of the identification number in the field. The 4-digit or 6-digit meter reading is to be interrogated from the register by direct contact of the register odometer wheels to a circuit board encoding the meter reading. Data is to be positively true. The registers ASCII digital output is to be capable of interfacing directly to an automatic meter reading (AMR) transponder to transmit data via cable TV; telephone, radio signal or power lines to an AMR system without needing additional programming.
- H. The pitlid module shall be of a sturdy and tamper proof construction. The module shall allow for ease of installation on any pitlid (plastic, cast iron, fiberglass, composite or concrete) by cutting one 1.75" hole in the lid. The entire pitlid module shall be constructed of suitable synthetic polymer for long service life under normal operating conditions and be suitable for installations in vehicle traffic areas. The module shall be compatible with the City's existing interrogating device and be capable of reading when the interrogating device is placed in any position on the pitlid module (i.e. without special alignment). The register shall be capable of being interrogated through the pitlid module when the pitlid module is submerged in water or covered with up to 3/16" of debris.
- I. The electronic registers provided shall be capable of being interrogated by the City's hand held meter reading system (SYSCON). Pitprobe device shall be provided by the bidder that is capable of reading the City's existing encoder registers in addition to the bidders electronic register. All equipment required (i.e. hardware and software) to provide for the compatibility of the City's existing electronic meter reading system to the bidders system shall be at the vendor's expense, including the replacement of all existing pitprobes (not to exceed four).
- J. The electronic register shall be guaranteed against defects in materials and workmanship for a period of ten (10) years from the date of delivery.

3.08A ELECTRONIC REGISTERS (4" - 6" - 8" C2 Compound Meters and 4" - 6" F2 Fire Service Meters)

The meter's register is all-electronic and does not contain any mechanical gearing to display flow and accurate totalization. The electronic register shall have the following features:

- A. AMR resolution unit's fully programmable w touch read output.
- B. Pulse output frequency fully programmable.
- C. Integral data logging capability, 30 rolling days of data available in the register without the addition of an AMR/AMI transmitter.
- D. Integral resettable accuracy testing feature.
- E. Large, easy-to-read LCD display.
- F. Register to be changeable in the field, without removing meter from service.
- G. Electronic registers output data format for automatic meter reading (AMR) shall be 7-bit American Standard Code for Information Interchange (ASCII) Digital, plus an even parity bit. The first character shall identify the meter manufacturer followed by a 4- digit, or 6-digit meter

reading, followed by an 8-digit meter ID number. The register identification number is to be factory set and non-programmable so as to protect the integrity of the system by eliminating possible programming duplication of the identification number in the field. The 4-digit or 6-digit meter reading is to be interrogated from the register by direct contact of the register odometer wheels to a circuit board encoding the meter reading. Data is to be positively true. The registers ASCII digital output is to be capable of interfacing directly to an automatic meter reading (AMR) transponder to transmit data via cable TV; telephone, radio signal or power lines to an AMR system without needing additional programming.

- H. The pitlid module shall be of a sturdy and tamper proof construction. The module shall allow for ease of installation on any pitlid (plastic, cast iron, fiberglass, composite or concrete) by cutting one 1.75" hole in the lid. The entire pitlid module shall be constructed of suitable synthetic polymer for long service life under normal operating conditions and be suitable for installations in vehicle traffic areas. The module shall be compatible with the City's existing interrogating device and be capable of reading when the interrogating device is placed in any position on the pitlid module (i.e. without special alignment). The register shall be capable of being interrogated through the pitlid module when the pitlid module is submerged in water or covered with up to 3/16" of debris.
- I. The electronic registers provided shall be capable of being interrogated by the City's hand held meter reading system (SYSCON). Pitprobe device shall be provided by the bidder that is capable of reading the City's existing encoder registers in addition to the bidders electronic register. All equipment required (i.e. hardware and software) to provide for the compatibility of the City's existing electronic meter reading system to the bidders system shall be at the vendor's expense, including the replacement of all existing pitprobes (not to exceed four).
- J. The electronic register shall be guaranteed against defects in materials and workmanship for a period of ten (10) years from the date of delivery.

PART 4. COLD WATER POSITIVE DISPLACEMENT METERS, SIZES 5/8" TO 2" - GROUP I

4.01 GENERAL DESCRIPTION

Water Meters furnished under this specification will be magnetic coupled drive register, permanently hermetically sealed, disc or piston type meters more specifically described in other parts of this specification. Meters shall be adaptable to automatic meter reading (AMR).

4.02 METER CASE

- A. The meter case shall be of the split case type and made of a high-grade bronze that will equal or exceed AWWA specifications. The case, which includes the top and bottom plates, shall be a casting containing not less than 75% copper. METAL STAMPED CASES WILL NOT BE ACCEPTED.
- B. Gaskets of a suitable material, resting in recessed seats, shall prevent leakage at the joints in the case assembly when subjected to a pressure of 150 psi.
- C. Bolts shall be solid, non-breakable types. All external bolts shall be made of 300 series stainless steel designed for easy removal after lengthy use. The split case design shall be connected with a minimum of four stainless steel bolts.

- D. The size and model number of the meter and the direction of flow shall be cast in raised letters and numbers on the outer surface of the case. A nine-digit serial number will be die-stamped or molded upon the register lid and the meter casing. The first four digits (left to right) will indicate the year the meter was purchased.
- E. Main case connections for 5/8"x3/4" thru 1" meters shall be meter casing spuds on both ends having external straight threads, with diameters as indicated in AWWA C-700 as most recently revised. Meters will be furnished with or without connections as required.
- F. Main case connections for 1-1/2" and 2" meters shall be oval type companion flanges of the dimensions shown in AWWA C-700 as most recently revised. Flange connection faces will have a "phonograph" finish. Meters will be furnished without connecting pieces as required.
- G. Companion flanges are to be made of copper alloy containing not less than 75% copper.
- H. All main cases shall be guaranteed against defects in materials and workmanship for twenty-five (25) years from the date of purchase.

4.03 METER REGISTERS

- A. The meter register shall be of the straight reading type with six (6) numbering wheels and shall register in U. S. gallons. The figures on the number wheels shall be large and distinct and of contrasting color, with the reading obtained from left to right. There shall be a test index circle that shall be divided into 100 equal parts, each tenth numbered. The index circle will be equipped with a full 360-degree center-sweep test hand, and a low flow leak detector that is independent from the standard sweep-hand. The first wheel of the register will indicate the sweep-hand revolutions.
- B. The register must be completely, permanently and hermetically sealed and equipped only with trial gears.
- C. The register will be secured to the main case by means of a locking device located in the interior of the meter so that the register cannot be removed externally. The City will accept and consider alternate bids for meters that have locking devices requiring special tools that are supplied by and are only available from the meter manufacturer. The special tool must not be commercially available.
- D. The register shall receive the necessary power to operate from the chamber assembly by means of a permanent magnet in the chamber assembly.
- E. The register box shall be equipped with a hinged lid which will be recessed and will overlap the register box to protect the reading area and shall be securely attached to the register box.
- F. The standard registers transparent dial cover shall be securely fastened in place and shall be of high strength heat tempered glass to minimize breakage.
- G. The standard register shall be guaranteed against defects in materials and workmanship for twenty-five (25) years from date of receipt.

4.04 MEASURING CHAMBER ASSEMBLY

- A. The measuring chamber shall be of AWWA bronze or of penton, rocksyn, or other polymeric material. It shall be secured in position in the main case in such a manner that slight distortion of the outer meter case will not effect the sensitivity or registration of the meter.

- B. If designed for use with an oscillating piston element, the chamber will be so constructed as to afford easy operation of the piston element, consistent with accurate measurement.
- C. The diaphragm, partitioning the parts of the measuring chamber, shall be of a material suitable for use with the material of other parts, as specified herein.
- D. The measuring chamber shall be designed to be completely replaceable with a new measuring chamber having new meter accuracy pre-set and tested at the point of manufacture to ensure complete compatibility with meters equipped with standard gear ratios and of the same size.
- E. Nutating Disc Type
 - 1. If the meter is to be furnished with a nutating disc measuring element and the chamber to be furnished is to be made of bronze, then the disc and ball assembly shall be made of hard rubber as near to the density of water as is practicable.
 - 2. If the meter is to be furnished with a nutating disc measuring element and the chamber to be furnished is to be made of a polymeric material, then the disc and ball assembly shall be made of the same polymeric material or of hard rubber as near as practicable to the density of water.
 - 3. The disc and ball assembly shall be either a three (3) piece unit, precisely machined and fitted accurately in the chamber so as to operate freely and smoothly, or a one (1) piece disc and ball assembly with a three (3) piece chamber.
 - 4. The disc spindle and thrust roller pin shall be made of 316 stainless steel, be securely fastened in the disc assembly and have a thrust roller bearing plate.
 - 5. Disc assemblies shall be interchangeable in measuring chambers of the same size and continue to perform to AWWA New Meter Accuracy Standards.
- F. Piston Type Assembly
 - 1. If the meter is to be supplied with a piston type measuring element and the chamber assembly to be furnished is to be made of bronze, then the piston shall be made of hard rubber as near to the density of water as is practicable.
 - 2. The piston assembly shall be smoothly machined and fitted accurately in the measuring chamber so that it will operate freely.
 - 3. The piston drive or roller pin shall be made of 316 stainless steel securely fastened to the piston.
 - 4. Piston assemblies shall be interchangeable in measuring chambers of the same size and continue to perform to AWWA New Meter Accuracy Standards.

4.05 STRAINERS

Each meter shall be provided with a stainless steel strainer or a strainer of non-corrosive material. It shall fit snugly in the casing and shall be rigid and easy to remove and shall meet the requirements of AWWA C-700 as most recently revised.

4.06 REGISTRATION ACCURACY

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All meters shall be tested for accuracy of registration at flow rates and test flow quantities in accordance with AWWA Manual M6. Certified results of tests are required and will be furnished to the City with each meter.

4.07 GUARANTEE - (Applicable to meter size 5/8"x3/4", 3/4" and 1." of GROUP I.)

A. INITIAL GUARANTEE INCLUDING PERFORMANCE GUARANTEE TO AWWA NEW METER ACCURACY STANDARDS: During the first year after date of receipt, meters provided will perform to AWWA New Meter Accuracy Standards, shall be guaranteed against all mechanical defects due to faulty materials and workmanship, and comply with all conditions stated in Paragraphs 2.04 and 3.01.

B. ADDITIONAL GUARANTEE INCLUDING PERFORMANCE TO AWWA REPAIRED METER ACCURACY STANDARDS THROUGH 15th YEAR: All meters shall be guaranteed for a period of 15 years of service against undue wear, malfunction, or becoming inoperative through faulty construction or materials, and the manufacturer will guarantee that each new meter will perform to at least AWWA repaired meter accuracy standards from date of receipt for a minimum period of 15 years or the following recorded registration, whichever occurs first:

5/8"x3/4"	1,500,000 gallons registration
3/4"	2,500,000 gallons registration
1"	3,000,000 gallons registration

NOTE: If standard sealed registers are guaranteed to perform accurately for more than 15 years, from date of receipt, bidder should indicate the warranty period for standard sealed registers.

C. If the above meters do not perform as guaranteed, the manufacturer will repair or replace meters to perform to AWWA Repaired Meter Accuracy Standards free of charge to the City within 45 days from date of notification of defect. The City will pay freight cost to and from factory or service center.

D. If the City chooses NOT TO PERFORM TEST prior to returning defective meters under a performance guarantee claim, manufacturer will replace or repair the meter and charge the City for repair tests at rates as proposed (in the proposal form). The repair test rates are subject to adjustment for each 1.0% increase or decrease in the cost of living from the current year, as measured by the Consumer Price Index (All Urban) of the U. S. Bureau of Labor Statistics Manual as of April 1, of the most current year.

E. INSPECTION AND REJECTION OF METERS IN GROUP I: A quality control program may be effected wherein a ratio may be established that at least one meter out of every ten meters received may be completely dismantled for inspection and evaluated as to conformance to specifications as stated herein. Failure to meet specifications as stated will cause all meters in the shipment to be returned to the manufacturer. The supplier will pay freight costs to and from the factory or service center.

4.08 ESTIMATED QUANTITIES

<u>Size</u>	<u>Quantity</u>
5/8"	1200
3/4"	500
1"	1200
1-1/2"	200
2"	200

**PART 5. COLD WATER METERS
COMPOUND TYPE, 4", 6", 8"
GROUP II.**

5.01 SPECIFICATIONS

The meter package shall meet or exceed all requirements of ANSI/AWWA Standard C701 and C702 for Class II compound and turbine meter assemblies. Each meter assembly shall be performance tested to ensure compliance. The meter main case shall be of epoxy coated ductile iron composition. The epoxy coating shall be provided as standard fusion-bonded and adhere to NSF for non-lead regulation compliance. Low lead alloys will not be accepted. Steel or Epoxy coated steel main cases will not be accepted. Both low flow and High flows will be registered on a single electronic register. No check valves will be allowed in the waterway to gather low flow. Refer to section 3.08 for full specification on the register. All meters will contain an integral strainer and test port in the standard AWWA C702 LL for Compound water meters. Meters shall be testable and repairable in line without removing from the service line. **NOTE: TO BE SENSUS BRAND ONLY.**

5.02. ESTIMATED QUANTITIES

<u>Size</u>	<u>Quantity</u>
4"	8
6"	5
8"	1

**PART 6. COLD WATER MULTI-JET METERS
5/8" THROUGH 2" - GROUP III**

6.01 GENERAL DESCRIPTION

Water Meters furnished under this specification will be a direct magnetic drive register, permanently hermetically sealed, Multi-Jet Type water meter. Meters must conform to AWWA C-708 as most recently revised. The register assembly must be removable under line pressure permitting upgrades in reading technology; touch read or automatic meter reading (AMR/AMI).

6.02 METER CASE

- A. The meter case shall be of the split case with removable bottom or cover plate and made of a high-grade bronze that will equal or exceed AWWA specifications. The case, which includes the top and bottom plates, shall be a casting containing not less than 81% copper.
- B. Gaskets of a suitable material, resting in recessed seats, shall prevent leakage at the joints in the case assembly when subjected to a pressure of 150 psi.
- C. The calibration port must be sealed after factory calibration. Calibration port must be accessible for utility recalibration to compensate for inaccuracy in older meters without parts replacement.
- D. Bolts shall be solid, non-breakable types. All external bolts shall be made of series stainless steel designed for easy removal after lengthy use. The split case design shall be connected with a minimum of four stainless steel bolts.
- E. The size and model number of the meter and the direction of flow shall be cast in raised letters and numbers on the outer surface of the case. A serial number will be die-stamped or molded upon the register lid and the meter casing.

- F. Main case connections for 5/8"x3/4" thru 1" meters shall be meter casing spuds on both ends having external straight threads, with diameters as indicated in AWWA C-708 as most recently revised.
- G. Main case connections for 1-1/2" and 2" meters shall be oval type flanges of the dimensions shown in AWWA C-708 as most recently revised.
- H. All main cases shall be guaranteed to retain structural integrity for twenty-five (25) years from the date of shipment.

6.03 METER REGISTERS

- A. The meter register shall be of the straight reading type with six (6) numbering wheels and shall register in U. S. gallons. The figures on the number wheels shall be large and distinct and of contrasting color, with the reading obtained from left to right. There shall be a test index circle that shall be divided into 100 equal parts, each tenth numbered. The index circle will be equipped with a full 360-degree center-sweep test hand. Center mounted low flow/ leak indicator that is a direct one to one linkage to the measuring element and independent from the standard sweep-hand. The first wheel of the register will indicate the sweep-hand revolutions.
- B. The register must be completely, permanently and hermetically sealed, with a molded convex heat-treated glass to ensure against scratching and breakage, and to provide drainage off the lens, stainless steel base and wrap-around gasket. Flat cut glass will not be accepted as equal. Recessed lens will not be acceptable. The register dial face should have the manufacture date in month and year stamped on it.
- C. The register will be secured to the main case by means of an effective tamper proof device manner.
- D. The register and measuring chamber assembly will be a direct magnetic drive. No intermediate gears/change gears are not acceptable; no gearing is exposed to water. All registers of particular registration and meter size shall be identical and completely interchangeable.
- E. The register housing/retaining ring and lid shall be made of bronze or a suitable synthetic polymer.
- F. The standard register shall be guaranteed against defects in materials and workmanship for twenty- five (25) years from date of receipt.

6.04 MEASURING CHAMBER ASSEMBLY

- A. The measuring chamber housing and measurement element are constructed of a durable synthetic polymer. It shall be secured in position in the main case in such a manner that slight distortion of the outer meter case will not affect the sensitivity or registration of the meter.
- B. The chamber housing is constructed in two parts to allow access to the impeller. The measuring chamber shall be of the velocity type and designed to allow the flow of water to pass through precision, converging inlet ports causing the impeller to rotate providing a synchronous relationship between the velocity of the water passing through the chamber and registration.
- C. Measurement surfaces are to not to be wear surfaces, providing sustained accuracy despite the presences of entrained solids in the water.
- D. All impellers shall be interchangeable in all measuring chamber assemblies of the same size.

- E. A long-life, sapphire serves as a wear surface, with balanced water flows minimizing bearing wear.
- F. The measuring chamber shall be constructed in such a manner to facilitate easy removal from the main case.

6.05 STRAINERS

Each meter shall be provided with a strainer of non-corrosive material. It shall fit snugly in the casing and shall be rugged and easy to remove. The strainer will be a 360-dregree basket strainer.

6.06 REGISTRATION ACCURACY

All meters shall be tested for accuracy of registration at flow rates and test flow quantities in accordance with AWWA Manual M6. Certified results of tests are required and will be furnished to the City with each meter.

6.07 GUARANTEE - (Applicable to meter size 5/8"x3/4", 3/4", 1", 1-1/2" and 2" of GROUP I.)

Meters have to be free from defects in material and workmanship for a period of Two (2) years (24 months) from date of shipment. To ensure longevity of service the Total Performance Accuracy Guarantee will be Twenty (20) years; Five (5) years New Meter Accuracy and an additional Fifteen (15) years Repaired Meter Accuracy.

- A. INITIAL GUARANTEE INCLUDING PERFORMANCE GUARANTEE TO AWWA NEW METER ACCURACY STANDARDS: The manufacturer will guarantee that each new meter will perform to AWWA C-708, as most recently revised, New Meter Accuracy Standards for the first Five (5) years after date of shipment or the following recorded registration, whichever occurs first:

5/8"x3/4"	750,000 gallons registration
3/4"	750,000 gallons registration
1"	1,100,000 gallons registration
1-1/2"	1,600,000 gallons registration
2"	2,100,000 gallons registration

<u>Size</u>	<u>Quantity</u>
5/8"	1200
3/4"	1200
1"	1200
1-1/2"	300
2"	300

**PART 7. FIRE SERVICE WATER METER ASSEMBLIES
(COMPACT FIRELINE TYPE) WITH TR/PL REGISTERS 4"
THROUGH 10" SIZES - GROUP IV.**

7.01 SCOPE 8"- 10" Fire Service Meters

These specifications set forth the minimum acceptable requirements for Cold Water Meters – Combination Dual Fire Service Type, consisting of two (2) Class II turbine type meters, a ductile iron strainer assembly and a weighted detector check valve. This meter assembly is intended where an

extremely wide flow range is required and where measurement of both domestic and fire service water usage is desired. The meter assembly package shall comply with ANSI/AWWA Standard C-703, as most recently revised.

7.01A SCOPE 4"- 6" Fire Service Meters

These specifications set forth the minimum acceptable design criteria and performance requirements for cold water meters - Fire Service type consisting of a Class II turbine type meter, and a ductile iron strainer assembly. This meter assembly is intended where an extremely wide flow range is required and where measurement of both domestic and fire service water usage is desired.

7.02 MAIN CASES 8"- 10"

Meter main cases on the mainline and the bypass shall be Water Works bronze. The flange size, model and direction of flow shall be cased in raised characters on both sides of the main case. Straightening vanes shall be assembled in both meter main cases.

7.02A MAIN CASES 4"- 6"

The meter main case shall be of an epoxy coated iron composition. The epoxy coating shall be provided as standard fusion-bonded and adhere to NSF for non-lead regulation compliance. Flange size model, and direction of flow shape be cased in raised letters on both sides of the main case.

Straightening veins:

A straightening vane assembly is mandatory and shall be positioned directly upstream of the measuring element. The straightening vane assembly shall be an integral component of the measuring chamber.

7.03 PERFORMANCE 8"- 10"

Meter assemblies shall have performance capabilities of continuous operation up to the rated maximum flows as listed without affecting long-term accuracy or causing any undue component wear. All meter assemblies shall also have a 25% flow capacity in excess of the maximum flows listed for intermittent flow demands. In addition, the meter assemblies shall be capable of measuring a minimum of 90% of actual water consumption at prescribed crossover flow rates. Maximum headloss through the meter assemblies shall not exceed those listed in the following table based on meter size.

Operating Characteristics:

Meter Size	Low Flow (95% Minimum)	Normal Range (98.5% to 101.5%)	Intermittent Flows (98.5% to 101.5%)
8"	3 gpm	4 to 3500 gpm	4400 gpm
10"	3 gpm	4 to 5500 gpm	7000 gpm
Meter Size	Accuracy @ Crossover (Approx.)		Headloss (Not to Exceed)
8"	90% @ 50 gpm		13.4 psi @ 3500 gpm
10"	90% @ 60 gpm		12.5 psi @ 5500 gpm

7.03A PERFORMANCE 4”- 6”

The meter assembly shall have performance capability of continuous operation up to the rated maximum flows as listed below without affecting long-term accuracy or causing any undue component wear. The meter assembly shall also provide a 25% flow capacity in excess of the maximum flows listed for intermittent flow demands. Maximum head loss through the meter / strainer assembly shall not exceed those listed in the following table per meter size.

Operating Characteristics:

Meter Low Flow Operating Range Intermittent Flows Pressure Loss Size (95% Min.) (98.5 - 101.5%) (98.5 - 101.5%) (Not to Exceed)

Size	Low flow	Normal Flow range	Intermittent Flows	Max psi Loss
4”	0.75 GPM	1.5 to 1000 GPM	1250 GPM	6.4 PSI 1000 gpm
6”	1.5 GPM	3.0 to 2000 GPM	2500 GPM	6.7 PSI 2000 gpm

7.04 MEASURING CHAMBER 8”- 10”

The measuring chamber will consist of a measuring element, calibration device and register. The measuring element shall be mounted on a horizontal, stationary, stainless steel shaft with sleeve bearings and be essentially weightless in water. The measuring chamber shall be capable of operating within the above listed accuracy limits without calibration when transferred from one maincase to another of the same size.

7.04A MEASURING CHAMBER 4”- 6”

The measuring chamber shall consist of a measuring element, removable housing, and all-electronic register. The measuring element shall be mounted on a horizontal, stationary titanium shaft with sleeve bearings and be essentially weightless in water. The measuring element comes integrated with the advanced Floating Ball Technology design. The measuring chamber shall be capable of operating within the above listed accuracy limits without calibration when transferred from one main case to another of the same size. The measuring shall be so configured to capture all flows as specified above, without the requirement of an automatic valve.

7.05 DIRECT MAGNETIC DRIVE SYSTEM 8”- 10”

All reduction gearing shall be enclosed in the permanently hermetically sealed register. The drive magnet shall be located in the measuring element, and the follower magnet shall be located inside the permanently sealed register. An intermediate magnetically active material shall be required to distribute the magnet flux uniformly to the follower magnet, thereby improving service life, low flow sensitivity, extended flow capacity and overall accuracy of the entire combination meter assembly.

7.05A MAGNETIC COUPLING 4”- 6”

The direct magnetic drive shall occur between the motion of the measuring element blade position and the electronic register. The OMNI direct drive system with Floating Ball Technology is designed to extend service life, enhance low flow sensitivity and provide extended flow capacity and overall accuracy of the meter assembly. Additional intermediate, magnetic or mechanical, drive couplings are not acceptable.

7.06. ENCODER REGISTERS and Remotes/Touchread Pitlid (TR/PL) Register and Remote Module

Refer to Section 3.08 and 3.08A.

7.07. MAXIMUM OPERATING PRESSURE

The meters shall operate properly without leakage, damage or malfunction up to a maximum pressure of 175 pounds per square inch (psi).

7.08. STRAIGHTENING VANES

All meters, 4" to 10" sizes, must have internal straightening vanes installed and retained firmly in the inlet portion of the main case to maximize meter performance and accuracy.

7.09 STRAINERS 8"- 10"

Each meter assembly shall have a separate UL (Underwriters' Laboratories) listed and FM (Factory Mutual Research) approved external fire service strainer as a part of the meter package. The strainer's screen shall have a minimum net open area of at least four (4) times the pipe opening and be a V-shaped stainless steel screen for the purpose of maintaining a full, unobstructed flow pattern. The strainer body shall be coated ductile iron with stainless steel fasteners capable of maintaining the following static pressure ratings and physical dimensions.

Meter Size	Pressure Rating	Centerline to strainer base	Meter Assembly Overall Length (Not To Exceed)
8"	700 psi	6.75 inches	53.0 inches
10"	700 psi	8.50 inches	68.0 inches

7.09A STRAINERS 4"- 6"

Meter size	Pressure rating	Centerline to strainer base	Meter assembly LL not to exceed
4"	175 PSIG	4-3/4"	33"
6"	175 PSIG	5-3/4"	45"

7.10 BYPASS METER AND ASSEMBLY 8"- 10"

The bypass assembly piping shall be 2" for 8" and 10" sizes. The assembly piping shall be of bronze with threaded connections. The assembly shall also consist of a 2" turbine meter with flanged connections, one (1) bronze body check valve downstream of the meter and two (2) bronze lockable ball valves located upstream and downstream of the meter to be used as isolation valves.

7.10A BYPASS METER AND ASSEMBLY 4"- 6"

4" and 6" fire meter will not utilized a low flow bypass to obtain low flow registration. Low flow will be gathered on the main line chamber."

7.11 DETECTOR CHECK VALVE 8" - 10"

The detector check valve operation shall be considered critical to the overall performance of the meter assembly. The detector check valve shall be positioned directly downstream of the mainline turbine type meter. A weighted, gravity induced bronze clapper in the detector check valve directs low flows through the smaller meter and bypass assembly. When full flow capacity is required, the clapper opens fully to allow unobstructed water flow. At high flow demand, above the listed crossover flow rates, both meters will be operating and supplying water.

The detector check valve shall be UL (Underwriters' Laboratories) listed and approved by FM (Factory Mutual Research) as acceptable equipment to be used in fire service applications. The valve shall also include gaskets, 316 stainless steel shaft hinge pin and a counter balance weight that is coated ductile iron and completely sealed from contact with water. There shall be no lead exposed to water flow.

The detector check valve body shall be coated iron and shall include a resilient rubber clapper seat, an adhesion resistive seat ring and other working parts composed of corrosion resistant materials. The body of the valve shall be drilled and tapped at the outlet flange area on both sides for bypass piping connection and for a test port outlet. The minimum acceptable size of taps on the raised bosses of the valve shall be 2".

7.11A DETECTOR CHECK VALVE 4" – 6"

The measuring shall be so configured to capture all flows as specified above, without the requirement of an automatic valve.

7.12. CONNECTIONS

Flanges for the 4" to 10" size meter assemblies shall be of Class 125 round type, flat faced and shall conform to ANSI 16.1 for specified diameter drilling and thickness. All required bolts, nuts and gaskets for a proper meter installation shall be included and provided by the supplier.

7.13. CERTIFICATIONS AND MARKINGS

All sizes of meter packages shall be listed by UL (Underwriters' Laboratories) and approved by FM (Factory Mutual Research) as being accepted for use on fire service lines. For such applications, the meter shall have a UL/FM strainer immediately upstream of the mainline meter's inlet flange. The mainline meter shall have an identification tag affixed indicating such acceptance and the strainer shall also bear such acceptance symbols and markings on the casting.

7.14 ESTIMATED QUANTITIES

<u>Size</u>	<u>Quantity</u>
4"	1
6"	8
8"	1
10"	1

7.15. GUARANTEE AND MAINTENANCE PROGRAM

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The register on all meters shall be under warranty for 10 years. Meters shall be guaranteed against defects in material and workmanship for a period of one (1) year from date of shipment. In addition, the meter manufacturer shall submit nationally published literature clearly outlining its factory maintenance program and current price schedule covering complete measuring chamber exchange of both size meters.

The turbine meters must have a minimum of three (3) years of satisfactory operating experience as marketable products. Limited experimental history regarding the current standard models available shall not be considered as acceptable.

PART 8. COLD WATER FIRE HYDRANT METER 3" WITH CONNECTIONS, GROUP V

8.01. GENERAL DESCRIPTION

The hydrant meter is typically used with potable cold water in applications for measuring high-volume water usage from fire hydrants. Meters furnished shall conform to AWWA C-701 class 2 standard.

The meters shall consist of three basic parts: the bottom case, drop-in element and the register.

The bottom case shall be constructed from cast aluminum and must have two carry handles, either built-in or attached.

The meter must have a maximum operating pressure of 150 PSI.

serial number shall be stamped on the register lid and the bottom case.

8.02 REGISTER

The register must be sealed with an odometer type display that reads in US gallons with the units of ones, tens and hundreds printed in black.

8.03 CONNECTIONS

Inlet: 2-1/2" - 7-1/2 NPSH (National standard for fire hose coupling thread) female coupling.

Outlet: 2-1/2" – 7-1/2 NPSH male nipple.

8.04 ESTIMATED QUANTITIES

100

**City of Fort Lauderdale
GENERAL CONDITIONS**

These instructions are standard for all contracts for commodities or services issued through the City of Fort Lauderdale Procurement Services Department. The City may delete, supersede, or modify any of these standard instructions for a particular contract by indicating such change in the Invitation to Bid (ITB) Special Conditions, Technical Specifications, Instructions, Proposal Pages, Addenda, and Legal Advertisement. In this general conditions document, Invitation to Bid (ITB) and Request for Proposal (RFP) are interchangeable.

PART I BIDDER PROPOSAL PAGE(S) CONDITIONS:

- 1.01 BIDDER ADDRESS:** The City maintains automated vendor address lists that have been generated for each specific Commodity Class item through our bid issuing service, BidSync. Notices of Invitations to Bid (ITB'S) are sent by e-mail to the selection of bidders who have fully registered with BidSync or faxed (if applicable) to every vendor on those lists, who may then view the bid documents online. Bidders who have been informed of a bid's availability in any other manner are responsible for registering with BidSync in order to view the bid documents. There is no fee for doing so. If you wish bid notifications be provided to another e-mail address or fax, please contact BidSync. If you wish purchase orders sent to a different address, please so indicate in your bid response. If you wish payments sent to a different address, please so indicate on your invoice.
- 1.02 DELIVERY:** Time will be of the essence for any orders placed as a result of this ITB. The City reserves the right to cancel any orders, or part thereof, without obligation if delivery is not made in accordance with the schedule specified by the Bidder and accepted by the City.
- 1.03 PAYMENT TERMS AND CASH DISCOUNTS:** Payment terms, unless otherwise stated in this ITB, will be considered to be net 30 days after the date of satisfactory delivery at the place of acceptance and receipt of correct invoice at the office specified, whichever occurs last. Bidder may offer cash discounts for prompt payment but they will not be considered in determination of award. If a Bidder offers a discount, it is understood that the discount time will be computed from the date of satisfactory delivery, at the place of acceptance, and receipt of correct invoice, at the office specified, whichever occurs last.
- 1.04 TOTAL BID DISCOUNT:** If Bidder offers a discount for award of all items listed in the bid, such discount shall be deducted from the total of the firm net unit prices bid and shall be considered in tabulation and award of bid.
- 1.05 BIDS FIRM FOR ACCEPTANCE:** Bidder warrants, by virtue of bidding, that the bid and the prices quoted in the bid will be firm for acceptance by the City for a period of ninety (90) days from the date of bid opening unless otherwise stated in the ITB.
- 1.06 VARIANCES:** For purposes of bid evaluation, Bidder's must indicate any variances, no matter how slight, from ITB General Conditions, Special Conditions, Specifications or Addenda in the space provided in the ITB. No variations or exceptions by a Bidder will be considered or deemed a part of the bid submitted unless such variances or exceptions are listed in the bid and referenced in the space provided on the bidder proposal pages. If variances are not stated, or referenced as required, it will be assumed that the product or service fully complies with the City's terms, conditions, and specifications.
- By receiving a bid, City does not necessarily accept any variances contained in the bid. All variances submitted are subject to review and approval by the City. If any bid contains material variances that, in the City's sole opinion, make that bid conditional in nature, the City reserves the right to reject the bid or part of the bid that is declared, by the City as conditional.
- 1.07 NO BIDS:** If you do not intend to bid please indicate the reason, such as insufficient time to respond, do not offer product or service, unable to meet specifications, schedule would not permit, or any other reason, in the space provided in this ITB. Failure to bid or return no bid comments prior to the bid due and opening date and time, indicated in this ITB, may result in your firm being deleted from our Bidder's registration list for the Commodity Class Item requested in this ITB.
- 1.08 MINORITY AND WOMEN BUSINESS ENTERPRISE PARTICIPATION AND BUSINESS DEFINITIONS:** The City of Fort Lauderdale wants to increase the participation of Minority Business Enterprises (MBE), Women Business Enterprises (WBE), and Small Business Enterprises (SBE) in its procurement activities. If your firm qualifies in accordance with the below definitions please indicate in the space provided in this ITB.

Minority Business Enterprise (MBE) "A Minority Business" is a business enterprise that is owned or controlled by one or more socially or economically disadvantaged persons. Such disadvantage may arise from cultural, racial, chronic economic circumstances or background or other similar cause. Such persons include, but are not limited to: Blacks, Hispanics, Asian Americans, and Native Americans.

The term "Minority Business Enterprise" means a business at least 51 percent of which is owned by minority group members or, in the case of a publicly owned business, at least 51 percent of the stock of which is owned by minority group members. For the purpose of the preceding sentence, minority group members are citizens of the United States who include, but are not limited to: Blacks, Hispanics, Asian Americans, and Native Americans.

Women Business Enterprise (WBE) a "Women Owned or Controlled Business" is a business enterprise at least 51 percent of which is owned by females or, in the case of a publicly owned business, at least 51 percent of the stock of which is owned by females.

Small Business Enterprise (SBE) "Small Business" means a corporation, partnership, sole proprietorship, or other legal entity formed for the purpose of making a profit, which is independently owned and operated, has either fewer than 100 employees or less than \$1,000,000 in annual gross receipts.

BLACK, which includes persons having origins in any of the Black racial groups of Africa.

WHITE, which includes persons whose origins are Anglo-Saxon and Europeans and persons of Indo-European decent including

Pakistani and East Indian.

HISPANIC, which includes persons of Mexican, Puerto Rican, Cuban, Central and South American, or other Spanish culture or origin, regardless of race.

NATIVE AMERICAN, which includes persons whose origins are American Indians, Eskimos, Aleuts, or Native Hawaiians.

ASIAN AMERICAN, which includes persons having origin in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands.

1.09 MINORITY-WOMEN BUSINESS ENTERPRISE PARTICIPATION

It is the desire of the City of Fort Lauderdale to increase the participation of minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the City does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms. Proposers are requested to include in their proposals a narrative describing their past accomplishments and intended actions in this area. If proposers are considering minority or women owned enterprise participation in their proposal, those firms, and their specific duties have to be identified in the proposal. If a proposer is considered for award, he or she will be asked to meet with City staff so that the intended MBE/WBE participation can be formalized and included in the subsequent contract.

Part II DEFINITIONS/ORDER OF PRECEDENCE:

- 2.01 BIDDING DEFINITIONS** The City will use the following definitions in it's general conditions, special conditions, technical specifications, instructions to bidders, addenda and any other document used in the bidding process:
 INVITATION TO BID (ITB) when the City is requesting bids from qualified Bidders.
 REQUEST FOR PROPOSALS (RFP) when the City is requesting proposals from qualified Proposers.
 BID – a price and terms quote received in response to an ITB.
 PROPOSAL – a proposal received in response to an RFP.
 BIDDER – Person or firm submitting a Bid.
 PROPOSER – Person or firm submitting a Proposal.
 RESPONSIVE BIDDER – A person whose bid conforms in all material respects to the terms and conditions included in the ITB.
 RESPONSIBLE BIDDER – A person who has the capability in all respects to perform in full the contract requirements, as stated in the ITB, and the integrity and reliability that will assure good faith performance.
 FIRST RANKED PROPOSER – That Proposer, responding to a City RFP, whose Proposal is deemed by the City, the most advantageous to the City after applying the evaluation criteria contained in the RFP.
 SELLER – Successful Bidder or Proposer who is awarded a Purchase Order or Contract to provide goods or services to the City.
 CONTRACTOR – Successful Bidder or Proposer who is awarded a Purchase Order, award Contract, Blanket Purchase Order agreement, or Term Contract to provide goods or services to the City.
 CONTRACT – A deliberate verbal or written agreement between two or more competent parties to perform or not to perform a certain act or acts, including all types of agreements, regardless of what they may be called, for the procurement or disposal of equipment, materials, supplies, services or construction.
 CONSULTANT – Successful Bidder or Proposer who is awarded a contract to provide professional services to the City.
 The following terms may be used interchangeably by the City: ITB and/or RFP; Bid or Proposal; Bidder, Proposer, or Seller; Contractor or Consultant; Contract, Award, Agreement or Purchase Order.

- 2.02 SPECIAL CONDITIONS:** Any and all Special Conditions contained in this ITB that may be in variance or conflict with these General Conditions shall have precedence over these General Conditions. If no changes or deletions to General Conditions are made in the Special Conditions, then the General Conditions shall prevail in their entirety,

PART III BIDDING AND AWARD PROCEDURES:

- 3.01 SUBMISSION AND RECEIPT OF BIDS:** To receive consideration, bids must be received prior to the bid opening date and time. Unless otherwise specified, Bidder's should use the proposal forms provided by the City. These forms may be duplicated, but failure to use the forms may cause the bid to be rejected. Any erasures or corrections on the bid must be made in ink and initialed by Bidder in ink. All information submitted by the Bidder shall be printed, typewritten or filled in with pen and ink. Bids shall be signed in ink. Separate bids must be submitted for each ITB issued by the City in separate sealed envelopes properly marked. When a particular ITB or RFP requires multiple copies of bids or proposals they may be included in a single envelope or package properly sealed and identified. Only send bids via facsimile transmission (FAX) if the ITB specifically states that bids sent via FAX will be considered. If such a statement is not included in the ITB, bids sent via FAX will be rejected. Bids will be publicly opened in the Procurement Office, or other designated area, in the presence of Bidders, the public, and City staff. Bidders and the public are invited and encouraged to attend bid openings. Bids will be tabulated and made available for review by Bidder's and the public in accordance with applicable regulations.
- 3.02 MODEL NUMBER CORRECTIONS:** If the model number for the make specified in this ITB is incorrect, or no longer available and replaced with an updated model with new specifications, the Bidder shall enter the correct model number on the bidder proposal page. In the case of an updated model with new specifications, Bidder shall provide adequate information to allow the City to determine if the model bid meets the City's requirements.
- 3.03 PRICES QUOTED:** Deduct trade discounts, and quote firm net prices. Give both unit price and extended total. In the case of a discrepancy in computing the amount of the bid, the unit price quoted will govern. All prices quoted shall be F.O.B. destination, freight prepaid (Bidder pays and bears freight charges, Bidder owns goods in transit and files any claims), unless otherwise stated in Special Conditions. Each item must be bid separately. No attempt shall be made to tie any item or items contained in the ITB with any other business with the City.
- 3.04 TAXES:** The City of Fort Lauderdale is exempt from Federal Excise and Florida Sales taxes on direct purchase of tangible property. Exemption number for EIN is 59-6000319, and State Sales tax exemption number is 85-8013875578C-1.
- 3.05 WARRANTIES OF USAGE:** Any quantities listed in this ITB as estimated or projected are provided for tabulation and information purposes only. No warranty or guarantee of quantities is given or implied. It is understood that the Contractor will furnish the City's

needs as they arise.

- 3.06 APPROVED EQUAL:** When the technical specifications call for a brand name, manufacturer, make, model, or vendor catalog number with acceptance of APPROVED EQUAL, it shall be for the purpose of establishing a level of quality and features desired and acceptable to the City. In such cases, the City will be receptive to any unit that would be considered by qualified City personnel as an approved equal. In that the specified make and model represent a level of quality and features desired by the City, the Bidder must state clearly in the bid any variance from those specifications. It is the Bidder's responsibility to provide adequate information, in the bid, to enable the City to ensure that the bid meets the required criteria. If adequate information is not submitted with the bid, it may be rejected. The City will be the sole judge in determining if the item bid qualifies as an approved equal.
- 3.07 MINIMUM AND MANDATORY TECHNICAL SPECIFICATIONS:** The technical specifications may include items that are considered minimum, mandatory, or required. If any Bidder is unable to meet or exceed these items, and feels that the technical specifications are overly restrictive, the bidder must notify the Procurement Services Department immediately. Such notification must be received by the Procurement Services Department prior to the deadline contained in the ITB, for questions of a material nature, or prior to five (5) days before bid due and open date, whichever occurs first. If no such notification is received prior to that deadline, the City will consider the technical specifications to be acceptable to all bidders.
- 3.08 MISTAKES:** Bidders are cautioned to examine all terms, conditions, specifications, drawings, exhibits, addenda, delivery instructions and special conditions pertaining to the ITB. Failure of the Bidder to examine all pertinent documents shall not entitle the bidder to any relief from the conditions imposed in the contract.
- 3.09 SAMPLES AND DEMONSTRATIONS:** Samples or inspection of product may be requested to determine suitability. Unless otherwise specified in Special Conditions, samples shall be requested after the date of bid opening, and if requested should be received by the City within seven (7) working days of request. Samples, when requested, must be furnished free of expense to the City and if not used in testing or destroyed, will upon request of the Bidder, be returned within thirty (30) days of bid award at Bidder's expense. When required, the City may request full demonstrations of units prior to award. When such demonstrations are requested, the Bidder shall respond promptly and arrange a demonstration at a convenient location. Failure to provide samples or demonstrations as specified by the City may result in rejection of a bid.
- 3.10 LIFE CYCLE COSTING:** If so specified in the ITB, the City may elect to evaluate equipment proposed on the basis of total cost of ownership. In using Life Cycle Costing, factors such as the following may be considered: estimated useful life, maintenance costs, cost of supplies, labor intensity, energy usage, environmental impact, and residual value. The City reserves the right to use those or other applicable criteria, in its sole opinion that will most accurately estimate total cost of use and ownership.
- 3.11 BIDDING ITEMS WITH RECYCLED CONTENT:** In addressing environmental concerns, the City of Fort Lauderdale encourages Bidders to submit bids or alternate bids containing items with recycled content. When submitting bids containing items with recycled content, Bidder shall provide documentation adequate for the City to verify the recycled content. The City prefers packaging consisting of materials that are degradable or able to be recycled. When specifically stated in the ITB, the City may give preference to bids containing items manufactured with recycled material or packaging that is able to be recycled.
- 3.12 USE OF OTHER GOVERNMENTAL CONTRACTS:** The City reserves the right to reject any part or all of any bids received and utilize other available governmental contracts, if such action is in its best interest.
- 3.13 QUALIFICATIONS/INSPECTION:** Bids will only be considered from firms normally engaged in providing the types of commodities/services specified herein. The City reserves the right to inspect the Bidder's facilities, equipment, personnel, and organization at any time, or to take any other action necessary to determine Bidder's ability to perform. The Procurement Director reserves the right to reject bids where evidence or evaluation is determined to indicate inability to perform.
- 3.14 BID SURETY:** If Special Conditions require a bid security, it shall be submitted in the amount stated. A bid security can be in the form of a bid bond, postal money order or cashiers check. Bid security will be returned to the unsuccessful bidders as soon as practicable after opening of bids. Bid security will be returned to the successful bidder after acceptance of the performance bond, if required; acceptance of insurance coverage, if required; and full execution of contract documents, if required; or conditions as stated in Special Conditions.
- 3.15 PUBLIC RECORDS:** Florida law provides that municipal records shall at all times be open for personal inspection by any person. Section 119.01, F.S., the Public Records Law. Information and materials received by City in connection with an ITB response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 10 days after bid opening, whichever occurs first. However, certain exemptions to the public records law are statutorily provided for in Section 119.07, F.S. If the Proposer believes any of the information contained in his or her response is exempt from the Public Records Law, then the Proposer, must in his or her response, specifically identify the material which is deemed to be exempt and cite the legal authority for the exemption. The City's determination of whether an exemption applies shall be final, and the Proposer agrees to defend, indemnify, and hold harmless the City and the City's officers, employees, and agents, against any loss or damages incurred by any person or entity as a result of the City's treatment of records as public records.
- 3.16 PROHIBITION OF INTEREST:** No contract will be awarded to a bidding firm who has City elected officials, officers or employees affiliated with it, unless the bidding firm has fully complied with current Florida State Statutes and City Ordinances relating to this issue. Bidders must disclose any such affiliation. Failure to disclose any such affiliation will result in disqualification of the Bidder and removal of the Bidder from the City's bidder lists and prohibition from engaging in any business with the City.
- 3.17 RESERVATIONS FOR AWARD AND REJECTION OF BIDS:** The City reserves the right to accept or reject any or all bids, part of bids, and to waive minor irregularities or variations to specifications contained in bids, and minor irregularities in the bidding process. The City also reserves the right to award the contract on a split order basis, lump sum basis, individual item basis, or such combination as shall best serve the interest of the City. The City reserves the right to make an award to the responsive and responsible bidder whose product or service meets the terms, conditions, and specifications of the ITB and whose bid is considered to best serve the City's interest. In determining the responsiveness of the offer and the responsibility of the Bidder, the

following shall be considered when applicable: the ability, capacity and skill of the Bidder to perform as required; whether the Bidder can perform promptly, or within the time specified, without delay or interference; the character, integrity, reputation, judgment, experience and efficiency of the Bidder; the quality of past performance by the Bidder; the previous and existing compliance by the Bidder with related laws and ordinances; the sufficiency of the Bidder's financial resources; the availability, quality and adaptability of the Bidder's supplies or services to the required use; the ability of the Bidder to provide future maintenance, service or parts; the number and scope of conditions attached to the bid.

If the ITB provides for a contract trial period, the City reserves the right, in the event the selected bidder does not perform satisfactorily, to award a trial period to the next ranked bidder or to award a contract to the next ranked bidder, if that bidder has successfully provided services to the City in the past. This procedure to continue until a bidder is selected or the contract is re-bid, at the sole option of the City.

- 3.18 LEGAL REQUIREMENTS:** Applicable provisions of all federal, state, county laws, and local ordinances, rules and regulations, shall govern development, submittal and evaluation of all bids received in response hereto and shall govern any and all claims and disputes which may arise between person(s) submitting a bid response hereto and the City by and through its officers, employees and authorized representatives, or any other person, natural or otherwise; and lack of knowledge by any bidder shall not constitute a cognizable defense against the legal effect thereof.

PART IV BONDS AND INSURANCE

- 4.01 PERFORMANCE BOND:** If a performance bond is required in Special Conditions, the Contractor shall within fifteen (15) working days after notification of award, furnish to the City a Performance Bond, payable to the City of Fort Lauderdale, Florida, in the face amount specified in Special Conditions as surety for faithful performance under the terms and conditions of the contract. If the bond is on an annual coverage basis, renewal for each succeeding year shall be submitted to the City thirty (30) days prior to the termination date of the existing Performance Bond. The Performance Bond must be executed by a surety company of recognized standing, authorized to do business in the State of Florida and having a resident agent.

Acknowledgement and agreement is given by both parties that the amount herein set for the Performance Bond is not intended to be nor shall be deemed to be in the nature of liquidated damages nor is it intended to limit the liability of the Contractor to the City in the event of a material breach of this Agreement by the Contractor.

- 4.02 INSURANCE:** If the Contractor is required to go on to City property to perform work or services as a result of ITB award, the Contractor shall assume full responsibility and expense to obtain all necessary insurance as required by City or specified in Special Conditions.

The Contractor shall provide to the Procurement Services Department original certificates of coverage and receive notification of approval of those certificates by the City's Risk Manager prior to engaging in any activities under this contract. The Contractor's insurance is subject to the approval of the City's Risk Manager. The certificates must list the City as an ADDITIONAL INSURED for General Liability Insurance, and shall have no less than thirty (30) days written notice of cancellation or material change. Further modification of the insurance requirements may be made at the sole discretion of the City's Risk Manager if circumstances change or adequate protection of the City is not presented. Bidder, by submitting the bid, agrees to abide by such modifications.

PART V PURCHASE ORDER AND CONTRACT TERMS:

- 5.01 COMPLIANCE TO SPECIFICATIONS, LATE DELIVERIES/PENALTIES:** Items offered may be tested for compliance to bid specifications. Items delivered which do not conform to bid specifications may be rejected and returned at Contractor's expense. Any violation resulting in contract termination for cause or delivery of items not conforming to specifications, or late delivery may also result in:
- Bidders name being removed from the City's bidder's mailing list for a specified period and Bidder will not be recommended for any award during that period.
 - All City Departments being advised to refrain from doing business with the Bidder.
 - All other remedies in law or equity.
- 5.02 ACCEPTANCE, CONDITION, AND PACKAGING:** The material delivered in response to ITB award shall remain the property of the Seller until a physical inspection is made and the material accepted to the satisfaction of the City. The material must comply fully with the terms of the ITB, be of the required quality, new, and the latest model. All containers shall be suitable for storage and shipment by common carrier, and all prices shall include standard commercial packaging. The City will not accept substitutes of any kind. Any substitutes or material not meeting specifications will be returned at the Bidder's expense. Payment will be made only after City receipt and acceptance of materials or services.
- 5.03 SAFETY STANDARDS:** All manufactured items and fabricated assemblies shall comply with applicable requirements of the Occupation Safety and Health Act of 1970 as amended, and be in compliance with Chapter 442, Florida Statutes. Any toxic substance listed in Section 38F-41.03 of the Florida Administrative Code delivered as a result of this order must be accompanied by a completed Material Safety Data Sheet (MSDS).
- 5.04 ASBESTOS STATEMENT:** All material supplied must be 100% asbestos free. Bidder, by virtue of bidding, certifies that if awarded any portion of the ITB the bidder will supply only material or equipment that is 100% asbestos free.
- 5.05 OTHER GOVERNMENTAL ENTITIES:** If the Bidder is awarded a contract as a result of this ITB, the bidder may, if the bidder has sufficient capacity or quantities available, provide to other governmental agencies, so requesting, the products or services awarded in accordance with the terms and conditions of the ITB and resulting contract. Prices shall be F.O.B. delivered to the requesting agency.
- 5.06 VERBAL INSTRUCTIONS PROCEDURE:** No negotiations, decisions, or actions shall be initiated or executed by the Contractor as a result of any discussions with any City employee. Only those communications which are in writing from an authorized City representative may be considered. Only written communications from Contractors, which are assigned by a person designated as

authorized to bind the Contractor, will be recognized by the City as duly authorized expressions on behalf of Contractors.

- 5.07 INDEPENDENT CONTRACTOR:** The Contractor is an independent contractor under this Agreement. Personal services provided by the Proposer shall be by employees of the Contractor and subject to supervision by the Contractor, and not as officers, employees, or agents of the City. Personnel policies, tax responsibilities, social security, health insurance, employee benefits, procurement policies unless otherwise stated in this ITB, and other similar administrative procedures applicable to services rendered under this contract shall be those of the Contractor.
- 5.08 INDEMNITY/HOLD HARMLESS AGREEMENT:** The Contractor agrees to protect, defend, indemnify, and hold harmless the City of Fort Lauderdale and its officers, employees and agents from and against any and all losses, penalties, damages, settlements, claims, costs, charges for other expenses, or liabilities of every and any kind including attorneys fees, in connection with or arising directly or indirectly out of the work agreed to or performed by Contractor under the terms of any agreement that may arise due to the bidding process. Without limiting the foregoing, any and all such claims, suits, or other actions relating to personal injury, death, damage to property, defects in materials or workmanship, actual or alleged violations of any applicable Statute, ordinance, administrative order, rule or regulation, or decree of any court shall be included in the indemnity hereunder.
- 5.09 TERMINATION FOR CAUSE:** If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner its obligations under this Agreement, or if the Contractor shall violate any of the provisions of this Agreement, the City may upon written notice to the Contractor terminate the right of the Contractor to proceed under this Agreement, or with such part or parts of the Agreement as to which there has been default, and may hold the Contractor liable for any damages caused to the City by reason of such default and termination. In the event of such termination, any completed services performed by the Contractor under this Agreement shall, at the option of the City, become the City's property and the Contractor shall be entitled to receive equitable compensation for any work completed to the satisfaction of the City. The Contractor, however, shall not be relieved of liability to the City for damages sustained by the City by reason of any breach of the Agreement by the Contractor, and the City may withhold any payments to the Contractor for the purpose of setoff until such time as the amount of damages due to the City from the Contractor can be determined.
- 5.10 TERMINATION FOR CONVENIENCE:** The City reserves the right, in its best interest as determined by the City, to cancel contract by giving written notice to the Contractor thirty (30) days prior to the effective date of such cancellation.
- 5.11 CANCELLATION FOR UNAPPROPRIATED FUNDS:** The obligation of the City for payment to a Contractor is limited to the availability of funds appropriated in a current fiscal period, and continuation of the contract into a subsequent fiscal period is subject to appropriation of funds, unless otherwise authorized by law.
- 5.12 RECORDS/AUDIT:** The Contractor shall maintain during the term of the contract all books of account, reports and records in accordance with generally accepted accounting practices and standards for records directly related to this contract. The Contractor agrees to make available to the City's Internal Auditor, during normal business hours and in Broward, Miami-Dade or Palm Beach Counties, all books of account, reports and records relating to this contract should be retained for the duration of the contract and for three years after the final payment under this Agreement, or until all pending audits, investigations or litigation matters relating to the contract are closed, whichever is later.
- 5.13 PERMITS, TAXES, LICENSES:** The successful Contractor shall, at their own expense, obtain all necessary permits, pay all licenses, fees and taxes, required to comply with all local ordinances, state and federal laws, rules and regulations applicable to business to be carried out under this contract.
- 5.14 LAWS/ORDINANCES:** The Contractor shall observe and comply with all Federal, state, local and municipal laws, ordinances rules and regulations that would apply to this contract.
- 5.15 NON-DISCRIMINATION:** There shall be no discrimination as to race, sex, color, creed, age or national origin in the operations conducted under this contract.
- 5.16 UNUSUAL CIRCUMSTANCES:** If during a contract term where costs to the City are to remain firm or adjustments are restricted by a percentage or CPI cap, unusual circumstances that could not have been foreseen by either party of the contract occur, and those circumstances significantly affect the Contractor's cost in providing the required prior items or services, then the Contractor may request adjustments to the costs to the City to reflect the changed circumstances. The circumstances must be beyond the control of the Contractor, and the requested adjustments must be fully documented. The City may, after examination, refuse to accept the adjusted costs if they are not properly documented, increases are considered to be excessive, or decreases are considered to be insufficient. In the event the City does not wish to accept the adjusted costs and the matter cannot be resolved to the satisfaction of the City, the City will reserve the following options:
1. The contract can be canceled by the City upon giving thirty (30) days written notice to the Contractor with no penalty to the City or Contractor. The Contractor shall fill all City requirements submitted to the Contractor until the termination date contained in the notice.
 2. The City requires the Contractor to continue to provide the items and services at the firm fixed (non-adjusted) cost until the termination of the contract term then in effect.
 3. If the City, in its interest and in its sole opinion, determines that the Contractor in a capricious manner attempted to use this section of the contract to relieve themselves of a legitimate obligation under the contract, and no unusual circumstances had occurred, the City reserves the right to take any and all action under law or equity. Such action shall include, but not be limited to, declaring the Contractor in default and disqualifying him for receiving any business from the City for a stated period of time.

If the City does agree to adjusted costs, these adjusted costs shall not be invoiced to the City until the Contractor receives notice in writing signed by a person authorized to bind the City in such matters.

- 5.17 ELIGIBILITY:** If applicable, the Contractor must first register with the Department of State of the State of Florida, in accordance with Florida State Statutes, prior to entering into a contract with the City.
- 5.18 PATENTS AND ROYALTIES:** The Contractor, without exception, shall indemnify and save harmless the City and its employees from liability of any nature and kind, including cost and expenses for or on account of any copyrighted, patented or un-patented invention, process, or article manufactured or used in the performance of the contract, including its use by the City. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or costs arising from the use of such design, device, or materials in any way involved in the work.
- 5.19 ASSIGNMENT:** Contractor shall not transfer or assign the performance required by this ITB without the prior written consent of the City. Any award issued pursuant to this ITB, and the monies, which may become due hereunder, are not assignable except with the prior written approval of the City Commission or the City Manager or City Manager's designee, depending on original award approval.
- 5.20 LITIGATION VENUE:** The parties waive the privilege of venue and agree that all litigation between them in the state courts shall take place in Broward County, Florida and that all litigation between them in the federal courts shall take place in the Southern District in and for the State of Florida.

NON-COLLUSION STATEMENT:

By signing this offer, the vendor/contractor certifies that this offer is made independently and free from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

<u>NAME</u>	<u>RELATIONSHIPS</u>
-	

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

BID/PROPOSAL SIGNATURE PAGE

How to submit bids/proposals: It is preferred that bids/proposals be submitted electronically at www.bidsync.com, unless otherwise stated in the bid packet. If mailing a hard copy, it will be the sole responsibility of the Bidder to ensure that the bid reaches the City of Fort Lauderdale, City Hall, Procurement Department, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the bid opening date and time listed. Bids/proposals submitted by fax or email will NOT be accepted.

The below signed hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the CITY and such acceptance covers all terms, conditions, and specifications of this bid/proposal.

Please Note: If responding to this solicitation through BidSync, the electronic version of the bid response will prevail, unless a paper version is clearly marked **by the bidder** in some manner to indicate that it will supplant the electronic version. All fields below **must** be completed. If the field does not apply to you, please note N/A in that field.

Submitted by:
(signature) (date)

Name (printed): Title:

Company: (Legal Registration)

CONTRACTOR, IF FOREIGN CORPORATION, MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501 (visit <http://www.dos.state.fl.us/>).

Address:

City: State:

Zip:

Telephone No. FAX No.

Email:

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions):

Payment Terms (section 1.03):

Total Bid Discount (section 1.04):

Does your firm qualify for MBE or WBE status (section 1.08): MBE WBE

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

Addendum No.

Date Issued

VARIANCES: State any variations to specifications, terms and conditions in the space provided below or reference in the space provided below all variances contained on other pages of bid, attachments or bid pages. No variations or exceptions by the Proposer will be deemed to be part of the bid submitted unless such variation or exception is listed and contained within the bid documents and referenced in the space provided below. If no statement is contained in the below space, it is hereby implied that your bid/proposal complies with the full scope of this solicitation. **HAVE YOU STATED ANY VARIANCES OR EXCEPTIONS BELOW? BIDDER MUST CLICK THE EXCEPTION LINK IF ANY VARIATION OR EXCEPTION IS TAKEN TO THE SPECIFICATIONS, TERMS AND CONDITIONS.** If this section does not apply to your bid, simply mark N/A in the section below.

Variations:
revised 3-23-10

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Question and Answers for Bid #413-10569 - Water Meters, Groups I thru V (Annual Contract)

OVERALL BID QUESTIONS

Question 1

What is the procedure for submitting information and price on an alternate meter? (Submitted: Oct 21, 2010 8:38:58 AM EDT)

Answer

- There is a section for variances. Please call Bidsync's customer service line for instructions. That is a free service. (Answered: Oct 21, 2010 8:47:05 AM EDT)