City of Wasco, Oregon

Request for Bids

For Advanced Water Metering Infrastructure System

Project Number W-1-2025-02

August 19, 2025
Revised November 12, 2025

Proposals must be delivered to:
Ian Melzer, City Clerk
City of Wasco, Oregon
City Hall Building
1017 Clark Street
P.O. Box 26
Wasco, Oregon, 97065

Proposal Due: December 5, 2025, no later than 4:00 PM

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1.0 - INVITATION TO SUBMIT PROPOSALS

Sealed Proposals are requested and will be received by the City of Wasco for "Furnishing an Advanced Water Metering Infrastructure System." Sealed Proposals will be accepted at the City Hall by Ian Melzer, City Clerk, no later than December 19, 2025, until 4:00 p.m., Pacific Daylight time. Proposals received after this time will be returned un-opened.

Each Proposal shall be submitted in a sealed envelope addressed to City of Wasco, Oregon and clearly marked "RFB for Advanced Water Metering Infrastructure System".

The City of Wasco reserves the right to reject any or all Proposals and to award a contract to any vendor deemed to be in the best interests of the by the City of Wasco.

All requests for information, clarification or related inquiries shall be submitted via email to Ian Melzer, City Clerk at "wascocity@gmail.com" <wascocity@gmail.com> a minimum of one week prior to the proposed RFP opening date. Requests received after this date will go unanswered. All answers and clarifications shall be shared with all vendors.

Proposed RFP Schedule:

Date	**Milestone**
November 20, 2025	RFB Notice Advertising and Distribution to Potential Vendors
December 5, 2025	Inquiries and requests for information; final day
December 19, 2025	RFB Responses Due by 4:00 PM Pacific Daylight Time
January 21, 2026	Anticipated Contract (Purchase Order) Awarded
	Anticipated Delivery Date To Be Negotiated

2.0 - INTRODUCTION AND BACKGROUND

The City of Wasco is soliciting proposals for an Advanced Metering Infrastructure (AMI) in order to improve the process of accurately collecting monthly water utility meter data and subsequent billing in order to enhance the level of service offered to its customers. The new metering system will also provide the city with needed information related to updating water user rates.

The City of Wasco mission is to provide the most economical and reliable service available to its customers. The City of Wasco expects that the AMI system will serve as a vital tool for achieving its vision as it moves forward. The AMI system is expected to provide information technology which will:

- Provide the City of Wasco customers with messages and timely utility information in the home or business, thereby empowering the city's residents and businesses to control utility usage, costs and advance "Green" initiatives.

- Significantly enhance service to City of Wasco customers, including improved billing accuracy, faster customer response & more efficient customer service, on-demand move-in / move-out remote meter reads and improved reliability.

- Improve the City of Wasco operational efficiency and reduce costs through reliable interval data from water meter reads for right-sizing programs, prompt notification of leaks, tampering, and theft.

- Help the City of Wasco achieve its goal of efficiency and concern for the environment by providing the infrastructure to support the city in its programs to involve customers in helping consumption on resources as the city grows and do so in an environmentally friendly way.

The successful respondent will be selected using the criteria set forth in this RFP based on the ability to meet the City of Wasco vision for the future.

2.1 - Utility Background

The City of Wasco utilizes water services with approximately 280 water meters. Because of budget limitations, the city will acquire and install the meters over at least a two-year period. The initial purchase will include 130 residential ¾-inch meters and 10 1.5-inch commercial meters. Future purchases may be made in different amounts over the next two years.

2.2 - Service Territory

The city public works staff will begin installing meters citywide as soon as weather permits in early 2026. The successful respondent will only be providing the materials requested for purchase by the City of Wasco. No installation is included in this RFP except for the remote reading data system and software, with necessary staff training.

2.3 - Project Implementation

Immediately upon receipt of the authorized Purchase Order, the Vendor shall deliver the full inventory of meters and parts needed for installation as specified herein. The delivery schedule must be approved by the City of Wasco prior to the authorization of the purchase order. The mutually agreed upon critical path schedule will become an integral part of the purchase contract. It may also be used to declare the Vendor in default of this contract. In the event a mutually agreeable schedule cannot be produced, this contract shall become null and void.

2.4 - Instruction to Vendors

THE GENERAL TERMS AND CONDITIONS WHICH FOLLOW APPLY TO ALL PURCHASES AND BECOME A DEFINITE PART OF EACH FORMAL INVITATION TO PROPOSE, PURCHASE ORDER, ISSUED BY the CITY of WASCO, UNLESS OTHERWISE SPECIFIED. BY SUBMITTING A PROPOSAL, THE VENDOR AGREES TO BE BOUND BY THESE TERMS AND CONDITIONS. VENDORS OR THEIR AUTHORIZED REPRESENTATIVES ARE EXPECTED TO FULLY INFORM THEMSELVES OF THE CONDITIONS, REQUIREMENTS, AND SPECIFICATIONS BEFORE SUBMITTING PROPOSALS. FAILURE TO DO SO WILL BE AT THE VENDORS OWN RISK AND WILL NOT SECURE RELIEF ON THE PLEA OF ERROR.

2.5 – Preparation of Proposals

The Vendor shall submit their sealed Proposal on the proposal forms provided. The Proposal shall be executed properly, and all writing shall be ink or typewritten, except the signature of the Vendor that shall be written in ink.

The Vendor shall specify in figures, in the places provided, a price for each of the separate items called for in the proposal forms.

Vendors are requested to submit their Proposals directly to Wasco City Hall in a properly sealed envelope. If the Vendor is a corporation, the legal name of the corporation, the state of incorporation and the business address shall be set forth together with signature of the officer or officers authorized to sign contracts on behalf of the corporation. The corporate seal shall also be affixed. If the Vendor is a partnership, the true name and address of the firm shall be set forth together with the signatures of authorized partners. If the Vendor is an individual, the signature and address shall be inscribed. If the signature is by an agent other than an officer of the corporation or member of the partnership, power of attorney must be submitted with the Proposal; otherwise, the Proposal may be regarded as irregular. All names must be printed below the signature.

The City of Wasco requests that vendor shall provide *(1)* original signed copy of their response and an electronic copy organized in a fashion outlined below to conserve natural resources and demonstrate an ongoing commitment: to sustainability.

Table of Contents:

Section 1: Executive Summary
Include company contact name, address, e-mail, and phone number
Section 2: Technology Solution Overview, System Capabilities, Software, Training
Section 3: Compliance Table for RFP Technical Specification 3.0 – 6.0
Answers are to be in the form:

- Comply
- Alternate - Include explanation
- Exception - Include explanation
- Use the attached compliance form
- All responses to sections 3.0 through 6.0 should be answered as Compliant or as Alternate or Exception with a short explanation as to why the vendor's system cannot provide what has been specified by the City of Wasco.

Section 4: System Pricing
Section 5: Client Reference List

The vendor's system shall meet the technical requirements outlined in this document:

Responses shall contain an explicit comply/exception assessment of whether your system meets each requirement and, whenever necessary, description of compliance to each point. If your system or any part of the system fails to meet any of the following requirements, explain the reasoning that substantiates the variation from these requirements is not critical.

3.0 – AMI MODULE TECHNICAL SPECIFICATIONS

3.1 – Water AMI Module Requirements

3.1.1 The AMI Water Modules shall be capable of receiving meter data from multiple manufacturers equipped with encoder registers. Pulsing register technology shall not be utilized.

3.1.2 The AMI Modules shall be separate from the Meter/Register housing. The AMI Module shall connect to the meter using a wire and have an inline Nicor connector.

3.1.3 The AMI Module shall be able to be installed through the meter box lid.

3.1.4 AMI modules for connected meters and registers, remote disconnect meters, repeaters and other related network devices shall be capable of being configured to communicate with collectors in a modifiable star-type network topographical architecture. The City of Wasco anticipates that only one (1) Remote Reader Collector will be needed and is expected to be located on top of the Old School Event Center. For the initial installation the city does not anticipate the need for any repeaters within the network to support the forwarding of meter data to collectors. However, one (1) repeater may be needed.

3.1.5 AMI modules must communicate using a minimum of one (1) watt of radiated power within the unlicensed 902 to 928 MHz frequency range, certified to comply with FCC Part 15 rules and utilize direct sequence spread spectrum for data transmissions.

3.1.6 AMI modules shall be housed in a single package designed for rugged, harsh environments and capable of wide-ranging temperatures and high humidity (zero (0) to one hundred (100) percent) for any extended periods of time without damage. AMI Modules shall be fully factory potted to eliminate any water intrusion.

3.1.7 The AMI Module must function accurately and not be damaged over an operating temperature range of -20 deg F to 130 deg F.

3.1.8 The AMI modules shall be designed to operate in the above conditions and have a battery life of 20 years. The battery shall not be field replaceable.

3.1.9 Battery status shall be transmitted to the user interface with alerts of low battery levels for preemptive maintenance at least six months in advance of failure.

3.1.10 The AMI module shall be capable of storing meter data, including hourly meter readings, alarms, as well as date and time stamps, for a minimum of one hundred and five (105) days in non-volatile memory.

3.1.11 The AMI Module shall have true two-way communication on-demand from the Host Software. This shall allow for obtaining real-time reading within 30 seconds or less upon submission of the request. The real-time On Demand Read shall be the read that is currently displayed on the register at time of On Demand read request. Demonstration of the real-time read will be required.

3.1.12 The AMI module must report batch readings on a scheduled basis, typically daily (i.e. one daily report including twenty-four (24) hourly readings) and shall be remotely configurable by the utility through the host software application to change reporting interval. The available reading intervals and number of days must include every five (5) minutes for seven (7) days, every fifteen (15) minutes for fourteen (14) days, and every thirty (30) minutes for fourteen (14) days

3.1.13 The AMI module shall have the capability to receive and process commands from the host system for all firmware updates to eliminate the need to manually perform the update function at each location or by replacing AMI modules. AMI modules must support group firmware updates to reduce system network congestion.

3.1.14 The AMI Module shall employ actionable alerts; indicate compliance with each below.

a. Tamper Alert or Meter disconnected
b. Bad Read
c. Small Leak Detected
d. Large Leak Detected
e. No Flow detected – Specific period of time set in the host software
f. Reverse Flow / Backflow

g. High Flow Rate Detected – Specifics set in host software
h. Battery Health

3.1.15 The AMI Module and system must be able to remotely disconnect/reconnect water service from the office through the use of a field proven integrated RDM meter. The RDM must be integrated with the meter and must have been installed in the field at multiple utilities for a minimum of 5 years. Systems that utilize separate shut-off valves or remote disconnect meters that are still in testing will not be accepted. The system shall allow for a remote disconnect or reconnect command to be performed within 30 seconds or less upon submission of the request. Demonstration of the real-time will be required.

4.0 – AMI NETWORK TECHNICAL SPECIFICATIONS

4.1 – Data Collection Equipment

4.1.1 The Data Collectors shall communicate to AMI Modules, repeaters and other related endpoint devices via modified star network architectures. Mesh Systems will not be allowed. Describe the network infrastructure utilized.

4.1.2 The AMI System shall provide 100% coverage of all AMI Modules for the utility water meters. Describe how the proposed network will achieve 100% coverage.

4.1.3 Data collectors, and any associated antennas, may not be installed more than 10 ft above the utility asset it is installed onto. Describe, in detail, how the proposed AMI network will achieve 100% network coverage given this specific constraint.

4.1.4 The data collectors shall be AC powered units with battery to support autonomous operation with a minimum of four (4) hours of backup power.

4.1.5 The Data Collector shall communicate via Wide Area Network (WAN) connections, such as cellular to allow communication with the host servers and software. Collectors will have the capability of switching communications mode even after being deployed in the field. The city uses Verizon as their cellular provider, which will also be used to communicate with the host servers/software.

4.1.6 The Data Collector shall collect and aggregate the stored meter data from all the AMI Modules in its zone a minimum of once per day and upload the information to the Host server a minimum of once per day providing interval reads from each AMI module as programmed.

4.1.7 The Data Collector shall use 128-bit state-of-art data security techniques to prevent unauthorized access to the data.

4.1.8 The Data Collector shall allow remote firmware and software upgrades.

4.1.9 The Data Collector shall utilize an outdoor NEMA4 enclosure, rated for -40C to +85C, with remote antenna capability, which can be pole or wall mounted.

4.1.10 The Data Collectors shall utilize a modular and serviceable design that allows components to be replaced or upgraded while the Collector is installed.

4.2 – Head End Host Software and Hardware

4.2.1 The Host Server shall act as the central collection point for the data within the system. The server collects data from all of the Collectors and stores the gathered data in a secure database. Once data is stored and analyzed on the server, the data shall be available for display via an easy to use web based graphical interface.

4.2.2 The Vendor shall provide a managed hosting service, where the Vendor shall own and manage the server hardware and software including monitoring to ensure the server continues to work effectively, provides backup services, installation of security patches and various levels of technical support. The Vendor hosted solution shall utilize a secure web based application and must be compatible with the city's RSV billing software.

4.2.3 Data shall be presented via a graphical user interface that will allow for system health and data analysis, as well as providing meter reads for utility bill generation.

4.2.4 The Host Software server shall manage and archive data for two years that can be accessed by any Utility computers, handheld devices both locally and remotely via the web. All relevant meter data maintained on the hosted servers shall belong to the Utility.

4.2.5 The Host system software must be web browser-based and shall have defined applications with standard interfaces to allow for existing and planned software applications.

4.2.6 The Host Software must have flexible meter reading data formats that are compatible with the Utilities current billing application.

4.2.7 The Host Software shall be used to generate reports; view demand graphs, determine usage patterns and enforce watering restrictions. Data will be easily exported to files supported by other applications such as RSV Utility Billing, Microsoft Excel or Adobe Acrobat.

4.2.8 Using information from alerts uploaded in the data, the Host Software shall have the ability to generate specific e-mail alerts or SMS messages for each status code, configured by the User Interface. Utility staff shall be able to view alerts and other pertinent GIS-type information through an ESRI-based map application via the web.

4.2.9 Alerts generated by an AMI Module shall be accompanied by the time of the event, which shall be stored and optionally forwarded by the server in the notification message. Further, user shall have the option to have the alert status report each interval in which it is true and have the option to report when the condition has cleared and reset the alert status to normal.

4.2.10 The User Interface shall permit the sending of alert outages, tampering, out-of-bounds system operating parameters to appropriate utility personnel via cell phone, or e-mail. The alerts settings must be configurable so that different alerts can be sent to different email addresses, and at different times, at a minimum 3 shifts: 12:00 AM-8:00 AM, 8:00AM-4:00PM, 4:00PM-12:00AM.

4.2.11 The User Interface shall allow the utility to customize the system alert levels for individual accounts.

4.2.12 The User Interface shall allow the utility to customize the system alert levels for all accounts in the AMI system.

4.2.13 Proposed system must include a revenue protection module that includes District Metering Areas and other ways to prevent loss of revenue.

4.2.14 Proposed system must include a territory map with all the endpoints and their alert status

4.2.15 Proposed system needs to allow users to configure the information they want to see in the account listing page. The user preferences must be saved on their profile and the system automatically remembers the configuration every time the user logs in.

4.2.16 The User Interface must allow for different access levels for different users.

4.2.17 The User Interface shall allow for 100+ different users at no additional charge.

4.2.18 The host software and data shall be accessible with a secure utility or customer login and password to view the system data from any web enabled device

4.2.19 All network communication shall use latest IPv4 or later protocols and support AES encryption with 256-bit keys on the VPN connection to the servers. The system shall also support 128-bit encryption on the cellular network connection along with any proprietary protocols.

5.0 – TRAINING AND IMPLEMENTATION

5.0.1 The vendor shall be responsible for supplying and delivering the AMI System components complete, including training and ensuring the proposed AMI system is operational prior to full deployment. This includes support for the development of an interface to the utility billing system and functional testing of the system.

5.0.2 The vendor shall have a proven program of professional project management to ensure successful system installation. Provide resumes for key managers involved in this project.

5.0.3 Project managers shall be experienced in managing the design, installation and optimization of systems. Project management experience shall include system integration and training support.

5.0.4 Provide a proposed implementation schedule for a system such as that proposed here.

6.0 –WATER METER SPECIFICATIONS

6.0.1 All meters shall meet or exceed the latest version of the American Water Works Association Standard C700 for Cold Water Meters - Displacement Type, Bronze Main Case.

6.0.2 All Meters shall meet or exceed the American Water Works Association Standard C707 for Encoder-Type Remote-Registration systems for Cold Water Meters when equipped with an open architecture radio MIU or similar device.

6.0.3 All Meters shall comply with the latest EPA law and NSF-61/372 requirements governing potable water meters.

6.0.4 All Meters shall comply with the latest state no lead initiatives due to their unique design, which incorporates suitable materials for all wetted surfaces in the meter.

6.1 3/4" Low Lead Bronze Positive Displacement Meters

6.1.1 Main cases shall be composed of a low lead bronze.

6.1.2 Main case shall incorporate a cast iron or bronze bottom plate.

6.1.3 The meter case must utilize stainless steel fasteners for securing the bottom plate to the main case.

6.1.4 All materials used in the construction of the main cases shall have sufficient dimensional stability to retain operating clearances at working temperature up to 105 degrees F.

6.1.5 The manufacturer shall warranty the main case for a period of 25 years from the date of shipment.

6.1.6 The meter serial number shall be stamped on the main case of the meter.

6.1.7 The main case must incorporate the measuring element inside the standard laying length specified by the AWWA C-700 standard.

6.1.8

Size of Meter	Lay Length (In)
¾ Standard	9

6.1.9 The spud threads shall provide adequate length to permit complete tightening of existing bronze couplings of the setter to prevent interference with the body.

6.1.10 The bottom plate shall utilize a gasket seal

6.1.11 Measuring chambers shall be made of a suitable material as described in AWWA C-700.

6.1.12 Chamber shall incorporate a nutating disc or Oscillating piston style measuring elements.

6.1.13 Meters shall be 100% factory tested for accuracy and have the factory test results provided with each meter.

6.1.14 Meters shall be pressure tested to ensure against leakage.

6.1.15 Meters shall comply with the AWWA C700 new meter accuracy requirements as specified in the standard for a period of years from the date of installation, or Gallons registers, as shown below:

Size of Meter	Years of Warranty or	Gallons Registered
3/4	5	750,000

6.1.16 Additionally, the manufacturer shall warranty the meter to meet or exceed AWWA repaired meter accuracy standards per the following:

Size of Meter	Years of Warranty or	Millions of Gallons Registered
3/4	15	2.25

6.1.17 All meters shall be provided with strainer screens installed in the meter.

6.1.18 Strainers shall be rigid, fit snugly, be easy to remove, and have an effective straining area at least twice that of the inlet opening.

6.2 ¾-Inch Low Lead Bronze Positive Displacement Meters with Remote Disconnect & Reconnect Valves

6.2.1 The Remote Disconnect Meter must meet all of the stipulations above of a standard 3/4-inch Bronze Positive Displacement meter, unless noted different in this section.

6.2.2 The entire meter, including the measuring element, valve, and connections shall fit within the standard 19” W x 26” L x 14” D meter box. Meters that do not fit within the standard

box length will not be acceptable. (See attached photos). It is noted that for any installation that requires a back flow prevention (bfp) valve the bfp valve will be installed in a separate box on the property owner's side of the meter assembly.

6.2.3 All meters shall incorporate an integral valve which is capable of stopping (disconnecting) and starting (reconnecting) the flow of water through the meter. The valve must be capable of being actuated via by a remote mobile application.

6.2.4 The valve shall utilize a "pilot valve" design which diverts the flow of water around a diaphragm and utilizes water pressure to actuate the valve and maintain the open or closed position. Rotational or ball valve technology will not be permitted.

6.2.5 The valve shall be operated and actuated using the same AMR/AMI module described and used within the network for communication. Two separate radio modules shall not be required.

6.2.6 The valve actuation shall utilize the battery which operates the AMR/AMI module.

6.2.7 The Remote Disconnect Meter Shall be warranted for a term of at least five (5) years or two-thousand (2000) actuations, whichever comes first, from the date of shipment to Purchaser.

6.2.8 Bottom plates shall be made of engineered plastic only.

6.2.9 A dual strainer shall be utilized in the valve diaphragm.

6.3 1-1/2-Inch Nylon Coated, Ductile Iron Body Positive Displacement Meters

6.3.1 Meters Main cases shall be composed of lead free nylon coated ductile iron

6.3.2 All materials used in the construction of the main cases shall have sufficient dimensional stability to retain operating clearances at working temperature up to 105 degrees F.

6.3.3 The manufacturer shall warranty the main case for a period of 25 years from the date of shipment.

6.3.4 The meter serial shall be affixed to the flange of the main case of the meter.

6.3.5 Top plates shall be made of lead free nylon coated ductile iron with a composite insert.

6.3.6 Measuring chambers shall be made of a suitable engineered plastic as described in AWWA C-700.

6.3.7 Chamber shall be of the Nutating Disc style.

6.3.8 The chamber magnet shall be driven by a stainless steel drive shaft.

6.3.9 The chamber magnet shall incorporate a protective plastic shroud around the magnet.

6.3.10 The measuring chamber shall incorporate a locating device that aligns to the main case of the meter to ensure proper chamber orientation and alignment.

6.3.11 The measuring chamber shall be locked into place with a chamber retainer.

6.3.12 Meters shall be 100% factory tested for accuracy and have the factory test results provided with each meter.

6.3.13 Meters shall be pressure tested to ensure against leakage.

6.3.14 Meters shall comply with the AWWA C700 new meter accuracy requirements as specified in the standard for a period of years from the date of installation, or Gallons registers whichever comes first, as shown below:

Size of Meter	Years of Warranty or	Millions of Gallons Registered
1-1/2"	2	1,600,000

6.3.15 Additionally, the manufacturer shall warranty the meter to meet or exceed AWWA repaired meter accuracy standards per the following:

Size of Meter	Years of Warranty or	Millions of Gallons Registered
1-1/2"	15	5,000,000

6.3.16 All meters shall be provided with strainer screens installed in the meter.

6.3.17 Strainers shall be rigid, fit snugly, be easy to remove, and have an effective straining area at least twice that of the inlet opening.

6.3.18 Casting bolts shall be composed of Stainless Steel.

6.4 WATER METER REGISTER SPECIFICATIONS - Mechanical Registers for 3/4 Inch and 1.5 Inch Positive Displacement Meters Only

6.4.1 The register must conform to the most current revision AWWA C-707.

6.4.2 The register shall be housed in a waterproof composite enclosure that utilizes thermoplastic and a heat treated, tempered glass lens suitable for installation in any environment.

6.4.3 The register shall incorporate a thermoplastic register cover to provide protection for the heat treated, tempered glass lens and display.

6.4.4 The register shall provide for up to 8-digit electronic resolution to the AMR/AMI system via ASCII format and be configurable to transmit less digits to match customer's needs.

6.4.5 The register shall provide a visual indication of all billing digits on the display by using white rolling dials for billable units and black rolling dials for non-billable digits.

6.4.6 The register shall provide a visual indication of low flow (tattle tale) on the face of the register.

6.4.7 8 rolling dials shall be on the face of the register.

6.4.8 Register has have the serial number on the top of the lid as well as come with a scannable bar code on the side with part # Serial number. Register shall contain the date of manufacture on top of the register.

6.4.9 The encoder register shall be factory sealed in bronze cup with all terminal connections inside.

6.4.10 No bare wire splicing of any kind shall be required during installation.

6.4.11 The register shall connect to the AMR/AMI Module using an inline Nicor Connector.

6.4.12 Registers shall be secured to the meter main case by a tamper resistant bayonet-style locking mechanism and an integral locking ring and wedge, protecting against unauthorized removal of the register.

6.4.13 No special tools shall be required to remove the register.

7.0 – WARRANTY

7.0.1 Provide the warranties and any services, including additional costs, your firm will offer to ensure system functionality and availability of system components for 20 years. At a minimum, a 100% warranty on all equipment and software on the AMI system will be in effect during the first 12 months following commissioning and acceptance by the City of Wasco.

7.0.2 The meter shall have a 20-year warranty, with a 10 Year full warranty and a 10 year prorated warranty. Proration shall be 50% off for years 11-15, and 25% off years 16-20. Proration to be based off of manufacturers current list price at time of warranty claim.

7.0.3 The AMI Module shall have a 20-year warranty, 10 Year full warranty, 10 year prorated. Proration shall be 50% off for years 11-15, and 25% off years 16-20.

Proration to be based off of manufacturers current list price at time of warranty claim.

Compliance Table for RFP Technical Specification - Example

	Comply	Alternate	Exception	Describe/Explanation of alternative or exception
	x	x	x	Description here/Explanation of alternative or exception
3.0 – AMI MODULE TECHNICAL SPECIFICATIONS				
3.1 – Water AMI Module Requirements				
3.1.1				
3.1.2				
3.1.3				
3.1.4				

Attachment A: PRICE SCHEDULE

A total of 160 AMI meters with M1 Node, One Remote Reader Data Collector (installed on top of School Event Center), One Repeater Station, if needed, and Base Station and software installed at City Hall, including initial staff training. The software must be compatible and integrated with the city's RSV billing system. The complete list of parts being purchased in addition to the meters and Network Collector system is shown below in **Table 1** below.

The following Price Schedule shall be included in the Respondent's proposal. Please include all Washington State and Local Sales Tax in these prices.

A. Water Meters

Description	Qty	Unit Cost	Extended Cost
¾ Inch Positive Displacement Water Meter	130		
1 ½ Inch Positive Displacement Water Meter	10		
		Subtotal	

B. AMI Modules

Description	Qty	Unit Cost	Extended Cost
AMI Module			
Other(Explain)			
Other(Explain)			
		Subtotal	

C. Network Equipment

Description	Qty	Unit Cost	Extended Cost
Network Collectors			
Network Repeaters			
Network Handheld			
		Subtotal	

D. Infrastructure Installation Fees

Description	Qty	Unit Cost	Extended Cost
Network Collectors Installation			
Network Repeaters Installation			
Other (Explain)			
		Subtotal	

E. Project Management, Training, Interface Fees

Description	Qty	Unit Cost	Extended Cost
Project Management			
CIS File Interface			
Software Training – Per Day			
Other (explain)			
		Subtotal	

F. Annual Fees

Description	Qty	Unit Cost	Extended Cost
Cellular Backhaul (Per Collector)			
Software Hosting			
Other (explain)			
		Subtotal	

G. Remote Disconnect Meter

Description	Qty	Unit Cost	Extended Cost
5/8x3/4 Remote Disconnect Meter			

In addition to the meters and remote data reading system Table 1 lists all of the additional parts that will be required to complete the installation assembly.

TABLE 1

Parts 3/4-inch residential meters	**Unit Price**	**Total Price**	**Parts 1.5-inch commercial meters**	**Unit Price**	**Total Price**
130 meters and Nodes			**10 meters and Nodes**		
130 each of the following:			**10 each** of the following:		
Angle Meter Stop			Angle Meter Stop		
MIP Adapter			MIP Adapter		
Pressure Regular with union inlet			Pressure Regular with union inlet		
3-part Union			3-part Union		
CTS Polye SS Insert Liner (2 each per meter = 300)			CTS Polye SS Insert Liner (2 each per meter = 20)		
Neoprene Meter Gasket **(2 each per meter = 300)**			Neoprene Meter Gasket **(2 each per meter = 20)**		
MIP Meter CPLG w/gskt 2-5/8 LTH			MIP Meter CPLG w/gskt 2-5/8 LTH		
8-inch nipple			8-inch nipple		
Insulation Mats			Insulation Mats		
35 ¾-inch double check backflow prevention valves					
30 Meter Boxes 19” W x 26” L x 14” D measured at base					
GRAND TOTAL PRICE					

Standard Meter Assembly – See the following Photos

Standard Meter Assembly, with pressure regulator

Meter Assembly, with pressure regulator and Backflow Prevention Valve (BFPV). The BFPV is located outside of the city meter box in a separate box.

Standard meter box 19” W x 26” L x 14” D measured at base.

Attachment B: Business and References

A. Describe how long the Respondent has been providing water meters in the United States, and any business mergers within the past 10 years.

B. Provide a minimum of five (5) references regarding similar projects completed by the Respondent within the past ten (10) years. References shall include contact names, telephone numbers, project completion dates.

C. Provide evidence of past cost performance and ability to meet project schedules.

D. Describe experience of proposed Contract Manager and other key staff, including Installation Manager.