

REQUEST FOR PROPOSALS
WATER METERS/AMI-AMR SERVICES
RFP No. 16-01



DUE: 2:00 p.m., December 22, 2016

City of Hamilton
200 E. Main Street
Hamilton, TX 76531

Phone: 254-386-8116
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**CITY OF HAMILTON
HAMILTON, TEXAS
Proposal No. 16-01**

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CITY OF HAMILTON, TEXAS
Request for Proposals
Water Meters/AMI-AMR Services
RFP No. 16-01

Project Summary

The City of Hamilton is requesting proposals to supply water meters and equipment to replace its current touch read water meter read system with an Automated Meter Read (AMR), and will also consider proposals for meters, equipment, and services required for transition to a fixed network or other Advanced Meter Infrastructure (AMI) system for potable water.

Scope & Specifications

The project is more fully described in **Section 6 – Scope of Services**. This RFP and related documents are open for public inspection online at hamiltontexas.com.

Submittal Location & Deadline and Bid Opening

Sealed bids must be delivered to 200 E. Main Street, Hamilton, Texas 76531. The submittal deadline is **2:00 PM on December 22, 2016**.

Questions

City Administrator, Pete Kampf is the only staff designated to answer questions about this RFP. All questions shall be submitted in writing, via e-mail to Mr. Pete Kampf at adm@ci.hamilton.tx.us . All answers will be issued in writing via posted addendum online at hamiltontexas.com. The final day for questions is **Monday, November 28, 2016 at 2:00 p.m.**

Pete Kampf
City Administrator

Section 1 - Proposal Delivery

- 1.1 Submittal Location & Deadline. Proposals must be submitted to the City of Hamilton Administration Department (200 E. Main Street, Hamilton, Texas 76531) no later than 2:00 p.m., December 22, 2016. Proposals will be time stamped upon receipt.
- 1.2 Submittal Envelope. Proposals shall be submitted in a sealed envelope or box clearly marked "**Proposal No. 16-01- Water Meters/AMI-AMR Services**". Contractor also shall write its company name on the outside of the envelope.
- 1.3 Valid Term. Proposals shall be valid for no less than 60 days from the date the City opens the proposals.
- 1.4 Rejection. Proposals submitted after the deadline will be rejected. Proposals submitted in an unsealed or incorrectly marked envelope or box will be rejected. Fax, e-mail, or telephone proposals will be rejected.

Section 2 - Proposal Contents

- 2.1 Proposal Forms. Proposals shall be made on the form included in "Section 7. Forms". All additional forms provided in "Section 7." shall be completed and included with the proposal submittal. Proposal forms shall be signed by the company owner or other legally authorized individual.
- 2.2 Licenses & Certifications. Contractor must include the following with its proposal:
 - a. Photocopy of valid Texas business license.
 - b. Photocopy of current insurance certificate with at least \$1,000,000 in coverage per incident including workman's comp certificate.
- 2.3 Information Required for Proposal Evaluation. City will evaluate information provided by Contractor in this proposal based on the criteria provided in Section 4 - City Rights & Procedures. A summary of information requested and required submittals for each evaluation criteria is listed in Section 6 – Scope of Services.

The evaluation team may enter into negotiations with the highest ranked Proposer if the team considers it advantageous to the City. If agreement

cannot be negotiated with the highest ranked Proposer negotiations will be formally terminated, and negotiations will then be undertaken with the second highest ranked Proposer, and so on until an agreement is reached or the City formally rejects the remaining proposals.

- 2.4 Bid Bond. A cashier's check or bid bond made payable to "City of Hamilton, Texas" must accompany all proposals. The check or bond amount shall be at least 5% of the total yearly price proposed in the maximum bid response. The City will return the check or bond once the selected contractor signs the contracts.
- 2.5 Number of Copies. Contractor shall submit (5) five hard copies of their proposal of all required forms and documents, and one electronic copy (PDF on a CD or flash drive), sealed as described in section 1.2.
- 2.6 Completeness. The City reserves the right to reject proposals that are incomplete, conditional, or deficient in any way, or which contain unsolicited additions/alterations.

Section 3 - Company Responsibilities

- 3.1 Review Documents. Contractor must review all plans, specifications, and contract documents related to this RFP and the project. Failure to review all plans, specifications, forms, contracts, addenda, or other documents shall not relieve Contractor from any obligations contained in this RFP or subsequent contracts with the City. Submittal of a proposal shall serve as Contractor's acknowledgement that it has reviewed and understood all of the RFP requirements and documents.
- 3.2 Fill-In Required Forms & Seal Envelope. Contractor must accurately and completely fill-in the response forms included in this packet ("Section 6. Proposal Form"). Contractor must submit those forms along with other documents listed in "Section 2. Proposal Contents" and elsewhere in this RFP. Authorized signatures must be included on forms/documents. Incomplete or missing forms/documents may result in rejection of Contractor's proposal.
- 3.3 Certification. Submittal of a proposal shall be deemed as Contractor's certification that it has fully considered all factors associated with this RFP, including any addenda.

Section 4 - City Rights & Procedures

- 4.1 Authorized Representative. The City Administrator (or designee) is the City’s authorized representative on this project.

- 4.2 Proposal Evaluation.
 - a. City will assemble a committee to evaluate proposals, which may include the hiring of consultants to assist with the evaluation of proposals.

- 4.3 Verification of Contractor’s Capability. The City will verify Contractor’s ability to complete the work specified in this RFP. Verification may include evaluating Contractor’s:
 - a. Prior project experience (particularly ones similar to this project size/scope).
 - b. Financial resources.
 - c. Licensure and certifications.
 - d. Equipment, machinery, and/or facilities.
 - e. Background & references.

- 4.4 Evaluation Criteria. The City’s Evaluation Team will evaluate proposals for six separate options for each classification of service based on the following, with a weighted point scale being utilized:

| | |
|-------------------------------|-----------------|
| Technical Proposal | 55 points |
| Cost Proposal..... | 40 points |
| <u>Local Preference</u> | <u>5 points</u> |
| Total | 100 points |

Technical Proposal evaluation for each option will be evaluated as described in Section 6.4 Specifications, items D – H. After Technical Evaluations are completed, the City Administrator will factor Cost Proposals, and Local Preference scores into total scores. The City’s Administrator will conduct a workshop of all options with the City Council, making recommendations for approval.

- 4.5 Rejection. The City reserves the right to reject any or all proposals at any time and for any reason.

- 4.6 Waiver of Irregularities. The City may waive informalities or irregularities that, in the City’s opinion, do not materially affect a

Contractor's proposal.

- 4.7 Award & Notice of Award. City staff will use the point scale to rank proposals and make a recommendation to the City Council. The City Council makes the final decision regarding award or rejection of proposals. Following City Council action on the staff recommendation, the City Administrator shall notify the selected Contractor in writing, and shall provide paper copies of the contracts to the selected Contractor.
- 4.8 Contract Term. The term of the contract shall be for an initial five (5) year term beginning on January 1, 2017. The award may be extended by mutual agreement between the City Administrator and the Contractor for one additional five (5) year periods.
- 4.9 Unilateral Extension. After all renewal options have been exercised, and it is determined that interim performance is required to allow for the solicitation and award of a new contract, the City may unilaterally extend the contract for a maximum period of six (6) months. Current pricing, delivery and all other terms and conditions of the contract shall apply during this period.
- 4.10 Contract Execution. The selected Contractor must sign and return the contracts; any required insurance certificates and all other required documents within 14 calendar days after the City sends the documents to the selected Contractor. Once the City receives the signed contracts and all other required documents back from the selected Contractor, then the City's authorized representative will sign the contracts.

Failure to sign and return the contracts and all other required documents within 14 days may result in the City rejecting the Contractor's proposal, barring the selected Contractor from consideration on future projects; or both. The City may then select another Contractor to perform the work or provide the goods/services specified in this RFP.

- 4.11 Notice to Proceed. Following contract signing by City, the City Administrator will issue a formal "Notice to Proceed" in writing to the Contractor.

If the Contractor begins work before receiving the "Notice to Proceed", then the City may stop work on the project, may require the work to be redone at Contractor's expense and without

additional compensation from the City, or both. The City also may revoke the project award and select another Contractor to perform the work.

- 4.12 Revocation of Award. If the City discovers that the Contractor has misrepresented anything in their proposal or that the Contractor, in the City's opinion, is no longer reasonably capable of performing the work as proposed, the City may revoke the award at any time **before** issuing the formal "Notice to Proceed". The City Administrator will issue the revocation in writing to Contractor.

The City reserves the right to award the contract to the next highest ranked Contractor if the highest ranked Contractor fails to fulfill the contractual obligations.

Section 5 - General Conditions

- 5.1 Questions. City Administrator Pete Kampfer, is the designated RFP contact person. Proposers must submit any questions regarding this RFP, in writing via e-mail, to the City Administrator at adm@ci.hamilton.tx.us .
- 5.2 The deadline to submit questions for this RFP is **Monday, November 28, 2016 at 2:00 PM**. All questions received by the deadline will be replied to via written addendum posted online at hamiltontexas.com.

Contractor may rely only on **written** addenda from the City Administrator. Verbal and/or written responses given by other City staff in response to Contractor questions **shall not** be binding on the City. The City will recognize written addenda issued by the City Administrator as the only legitimate method of responding to questions about this RFP or the project described within this RFP.

- 5.3 RFP Interpretations. The City has the right to define and interpret RFP terms, specifications, and conditions.
- 5.4 Terms. The City may award the contracts based solely on RFP responses received from Contractor, with or without further discussion of such proposals with the selected Contractor. Therefore, Contractor should submit proposals based on its most favorable terms available.

- 5.5 Contract Agreement. Due to the nature of requesting 6 separate proposal options for consideration, the City is requesting contract/agreement proposals along with Technical and Cost Proposals to be submitted with their proposals. The City reserves the right, at its sole discretion, to accept, modify or reject in their entirety, any contract proposals.
- 5.6 Payment and Performance Bond. A Payment and Performance Bond is required for the contract amount for the RFP. Contractor shall be responsible for recording the payment and performance bond and before commencing the work, Contractor shall provide to the City Clerk a certified copy of the recorded bond. The City may not make any payments to the Contractor until the City Clerk receives the certified copy of the recorded bond.
- 5.7 Insurance. Insurance specified in this RFP document and the contracts shall conform to and shall be insured by companies meeting the criteria outlined below.
- a. Insurance shall be countersigned by an agent licensed to do business in the State of Texas.
 - b. The City of Hamilton shall be named as an additional insured.
 - c. Surety must be permitted to do business in the State of Texas and shall have been in business and have a record of successful, continuous operation for at least five years.
 - d. The surety company shall have at least the following minimum rating as listed in Best's Financial Rating:
 - i. Financial Strength Rating of "A".
 - ii. Financial Size Category Class shall indicate an Adjusted Policy Holder's Surplus (PHS) of at least 10 times the maximum annual value of the contracts or proposal (see table below).

| Class | Adjusted PHS (\$ Million) |
|--------------|----------------------------------|
| I | Less than 1 |
| II | 1 to 2 |
| III | 2 to 5 |
| IV | 5 to 10 |
| V | 10 to 25 |
| VI | 25 to 50 |
| VII | 50 to 100 |
| VIII | 100 to 250 |
| IX | 250 to 500 |

| | |
|------|------------------|
| X | 500 to 750 |
| XI | 750 to 1,000 |
| XII | 1,000 to 1,250 |
| XIII | 1,250 to 1,500 |
| XIV | 1,500 to 2,000 |
| XV | 2,000 or greater |

5.8 Indemnification. The City will not indemnify Contractor.

5.9 All-Inclusive Cost. Contractor’s proposal shall include all expenses necessary to complete the project or provide the services described in this RFP. If selected by the City, Contractor must pay applicable sales tax on any goods or services it purchases.

The City is exempt from paying federal and state taxes, including sales tax. However, the City’s sales tax exemption is not assignable and cannot be applied toward items the Contractor purchases, regardless of whether Contractor transfers those items to the City.

5.10 RFP Preparation & Submittal Expenses. The City shall not be responsible for any expense incurred by any Contractor in reviewing, evaluating, preparing, or submitting a proposal. Contractor is solely responsible for the entire expense of responding to this RFP.

5.11 Legal Requirements. Contractor is required to comply with all federal, state, and local laws, ordinances, rules and regulations that are applicable to the goods/services being solicited in this RFP. Contractor’s lack of knowledge shall in no way be a cause for relief from responsibility, nor shall it constitute a cognizable defense against the legal effects thereof.

Submittal of a proposal shall constitute Contractor’s affirmation that it is familiar with and shall comply with all federal, state, and local laws, ordinances, rules and regulations which affect those engaged or employed in the provision of such services, or equipment used in the provision of such services, or which in any way affects the conduct of the provision of such services. No plea of misunderstanding will be considered on account of Contractor’s ignorance thereof. If Contractor believes provisions in the RFP documents are contrary to or inconsistent with any law, ordinance, or regulation, then Contractor shall promptly report those provisions

in writing to the City.

- 5.12 Public Records. Contractor understands that Texas has a broad public records law, and that documents in the possession of the City can only be maintained confidential to the extent allowed under the Texas Public Records Act.

Section 6 - Scope of Services

6.1 Objectives of this Request for Proposals

The City of Hamilton, hereafter referred to as the City, **is requesting proposals to supply meters, associated equipment and install a complete drive-by automated meter reading (AMR) system. The City, will also consider proposals for meters, equipment, and services required for transition to a fixed network or other advanced meter infrastructure (AMI) system for potable water systems.**

The City's objectives are to provide a highly reliable and efficient meter reading system, to accurately compare AMR and AMI system costs relative to customer and operation and maintenance benefit(s), to fairly and competitively compare life cycle costs of desirable alternatives, and to minimize the long term risks related to imminent changes in communication and data technologies.

Ultimately the City desires to enter into an agreement that will provide the best value to the City and that will form the basis of a long term partnership between the proposer and the City. The agreement will serve as the basis for purchase of meters, equipment, and services to accomplish completion of the AMR system, or conversion to AMI, as well as to serve future growth and other water metering needs of the City.

6.2 Overview of Meter Reading and Utility Billing in the City

The City owns and operates a potable water distribution system. Currently the City has approximately 1200 manual read meters. It has become apparent that advances in AMR/AMI offerings warrant further consideration. Furthermore, the cooperative purchasing contract previously utilized by the City for the current system has expired and a competitive procurement is necessary.

Meter data is collected using Sensus handheld data collectors for manual touch-readings. All meters are read on a monthly basis. New appropriate meter vaults/boxes may be required.

The City utilizes Logics software for Utility Billing and customer service. Utility bills are issued on a monthly basis.

Time is of the essence in this evaluation, selection, and award of a contract in order to provide meters for installation.

6.3 Proposal Options

The City is requesting proposals for six (6) options. Proposers are encouraged but not required to submit on all options. Proposal Options are:

| Option # | Water Meter Specification | Data Infrastructure Specifications |
|-----------------|--|--|
| AMR-1 | A. Meters – General B. Metal Alloy Body, Positive Displacement Meter | D. Data Infrastructure – General E. AMR - Data Infrastructure |
| AMR-2 | A. Meters – General C. Non-metallic Composite or Polymer body, Electronic Meter (no moving parts) | D. Data Infrastructure – General E. AMR - Data Infrastructure |
| AMI-3 | A. Meters – General B. Metal Alloy Body, Positive Displacement Meter | D. Data Infrastructure – General F. AMI - Data Infrastructure G. AMI - Extended Service Plan |
| AMI-4 | A. Meters – General C. Non-metallic Composite or Polymer body, Electronic Meter (no moving parts) | D. Data Infrastructure – General F. AMI - Data Infrastructure G. AMI - Extended Service Plan |
| AMI-5 | A. Meters – General B. Metal Alloy Body, Positive Displacement meter | D. Data Infrastructure – General F. AMI - Data Infrastructure H. AMI - Fully Hosted Plan |
| AMI-6 | A. Meters – General C. Non-metallic Composite or Polymer body, Electronic Meter (no moving parts) | D. Data Infrastructure – General F. AMI - Data Infrastructure H. AMI - Fully Hosted Plan |

6.4 Specifications

A. Water Meters – General

- a) Meters shall include the measuring device and the register that records usage and alarms, and calculates data necessary for use in the AMR or AMI system.
- b) The manufacturer must offer its own line of positive displacement (disc or piston) meters for residential and commercial applications, as well as its own line of large commercial meters offering turbine, compound, and fire service meters.
- c) The manufacturer must have a minimum of twenty years of product experience in the field of municipal water meter manufacturing and service.
- d) Meters must meet or exceed all applicable requirements of the latest edition of AWWA C700, NSF/ANSI Standards 61 and 372, and lead free provisions of the Safe Drinking Water Act.
- e) All meters shall be compatible with the specified AMR and AMI systems. Proposer shall specify all work which must be done to convert a meter from an AMR system to an AMI system.
- f) All electric and electronic components shall be totally sealed for and suitable for indoor or outdoor installations, in exposed above ground or submersible below grade applications.
- g) Meters shall be powered by a non-replaceable internal battery which shall have an expected life commensurate with the term of the warranty.
- h) A minimum 10-year warranty shall be provided on all meters and registers; a 20-year warranty is desired. The warranty should cover mechanical defects, water

intrusion, and long term accuracy.

B. Metal Alloy Body, Positive Displacement Meters

- a) Meters shall be constructed of brass or bronze alloy, utilizing a positive displacement metering mechanism.
- b) Meters shall be provided with corrosion resistant strainers which can be easily removed from the meter.

C. Non-metallic Composite or Polymer body, Electronic Meter (no moving parts)

- a) Meters shall be constructed of 0.00% lead materials and shall utilize magnetic, ultrasonic, or other metering technology which does not include any moving parts in contact with water.

D. Data Infrastructure - General

- a) The manufacturer must have a minimum of twenty years of product experience in the field of municipal water metering and a minimum of 5 years product experience with AMR or AMI manufacturing and service, and shall have a minimum of 5 million units produced.
- b) All electric and electronic components shall be totally sealed for and suitable for indoor or outdoor installations, in exposed above ground or submersible below grade applications.
- c) All proposed equipment and operation shall comply with FCC regulations. Products requiring FCC license shall be licensed for use by the City; products not requiring FCC license shall be clearly identified as such.

E. AMR - Data Infrastructure shall include all components between the meter register and the City's Utility Billing software, consisting of hardware, software, firmware, interfaces and services necessary to provide a fully functional Automated Meter Reading system. Individual component systems include Transceivers, Implementation and Integration Services, and Ancillary Equipment.

- a) Transceivers should meet the requirements for AMI - Transceivers below, and should be field convertible from AMR to AMI service. Proposer shall specify all work which any must be done to convert transceiver operation from an AMR system to an AMI system if capable. If Transceiver is not capable of field conversion from AMR to AMI operation, Respondent shall thoroughly explain what other mechanism is available to accomplish the AMR to AMI conversion, such as field change of Transceivers, and shall identify the cost of such conversion.
- b) Implementation and Integration Services shall include:
 - i. All FCC licensing and software licensing,
 - ii. Procurement and preparation of Ancillary Equipment for use by the City,
 - iii. All coordination and programming necessary for complete and functional integration with the City's Utility Billing software.
 - iv. Training of Finance, Utility Billing, Customer Service, Engineering, Operation/Maintenance, and Meter Reading staff in their respective areas of use of the system.
- c) Ancillary Equipment shall include all hardware and software necessary and recommended for a functional system.
 - i. Proposer shall specify software and accessories recommended for a Panasonic

Toughbook Model CF-31 (or approved equivalent) to be used for data collection, troubleshooting, and programming.

- ii. Proposer shall specify software and accessories recommended for a Trimble Ranger 3 Handheld data collector (or approved equivalent) to be used for data collection, troubleshooting, and programming.

F. AMI - Data Infrastructure shall include all components between the meter register and the City's Utility Billing software, consisting of hardware, software, firmware, and services necessary to provide a fully functional Advanced Meter Infrastructure system. Individual component systems include Transceivers (located at the meters), Data Collection System, Meter Data Management System, Implementation and Integration Services, and Ancillary Equipment

- a) Transceivers shall provide the two-way communication link between the meter register and the Data Collection System.
 - i. Transceivers shall communicate with the data collection system a minimum of one time per day and immediately upon receipt of alarms such as leakage, tamper detection, register removal, low battery, backflow, no usage, and empty pipe. Proposer shall indicate other available alarms and notices.
 - ii. Transceivers shall store a minimum of 60 days of time synchronized hourly data, including flow volume, alarms and notices. Stored data shall be automatically relayed to the Data Collection System following recovery of lost communication.
 - iii. Transceivers shall be suitable for mounting in a standard 2-inch diameter hole in meter box covers, and where recessed below the top of the meter box lid shall be suitable for location in intermittent traffic areas such as driveways and sidewalks.
 - iv. Transceivers shall be powered by a non-replaceable internal battery and shall have an expected life commensurate with the term of the warranty.
 - v. Transceivers shall be capable of updating firmware and time of day synchronization through the two-way radio communication.
 - vi. Transceivers shall contain provisions for field reading for customer service, troubleshooting, and emergency operations.
 - vii. Transceivers shall be insulated, shielded, bonded, and grounded as necessary to protect from damage due to stray currents caused by indirect lightning strikes.
- b) Data Collection System shall consist of Fixed Network Radios or other two-way communication system between individual Transceivers and the Meter Data Management System.
 - i. The Data Collection System shall poll or otherwise communicate at least once per day with Transceivers to collect hourly flow data, and shall communicate as necessary for receipt of alarms and notices, for time synchronization, and for firmware updates. The system shall communicate routine data to the Meter Data Management system on a predetermined schedule, and other alarms and notices shall be communicated immediately.
 - ii. Fixed Network Radios may be installed at selected City owned properties or at other locations owned or controlled by the Proposer. A Map of City owned properties is available as an attachment to this RFP, page 22. Not all sites listed will be available for all anticipated antenna configurations and heights. Only two existing Elevated Water Storage Tanks Sites, and the Water Reclamation Facility Site, will be available for antennas installed at any point more than 30

feet above grade. At these sites Proposers shall indicate whether they propose to attach to existing structures or to construct free standing towers. Connection to existing water tanks (top height approximately 100 feet) shall require design and use of attachments which will not interfere with routine operation or maintenance of the facilities. Magnetic attachments are preferred. Welding, bolting or any penetration of the tanks shall require the design by a Structural Engineer familiar with the design and operation of elevated water storage tanks. Attachments to the existing antenna tower at Fair Park, 1007 Park Road, shall not interfere with the function of existing antennas. On other sites, use of stand-alone poles up to 30 feet in height, and roof mount antennas on existing buildings may be acceptable pending approval by the City. Use of new structures and attachments to existing structures shall require necessary Zoning, Building Department and other applicable approvals.

- iii. Proposer shall conduct a radio propagation study or other studies as necessary to determine the number and proposed locations of Fixed Network Radios (or other system as applicable) necessary for consistent and reliable operation of the system. Proposer shall indicate in the proposal the design reliability in terms of a minimum acceptable % of meters able to effectively communicate over any given three-day period. Design reliability may include a maximum of 1.5% loss for communications temporarily obstructed by parked vehicles and other uncontrollable obstructions. Proposer shall guarantee performance and shall indicate what actions it shall take in order to rectify failure to meet the design reliability.
 - iv. Proposer shall provide materials, equipment, and installation of all components necessary for proper operation of the Fixed Network Radio or other communication system.
 - v. Power supply for Fixed Network Radios shall be identified and provided by the Proposer. Power supply may be obtained from existing City facilities provided that estimated power costs are identified and acceptable to the City.
 - vi. Fixed Network Radios and other equipment installed outdoors shall be insulated, shielded, bonded, and grounded as necessary to protect from damage due to stray currents caused by indirect lightning strikes. Applicable Building Codes and other regulatory requirements shall be considered minimum requirements.
 - vii. The Proposer shall provide communication between the Data Collection System and the Meter Data Management System. Proposer shall identify communication options and shall explicitly specify at least one communication option in the proposal.
- c) Meter Data Management System (MDMS) shall warehouse data and process data for "end – use" in Utility Billing, Customer Service, Customer Interface Portal, and Engineering, Operation, and Maintenance.
- i. The MDMS shall be designed to efficiently and promptly process incoming and outgoing data to meet the needs of the City and its customers. Systems shall operate with a minimum of 10 years of meter data for a minimum of 3,000 metered connections, and shall be readily expandable to accommodate 10 years of data for 5,000 connections.
 - ii. The Proposer shall recommend minimum required floor or rack area and environmental requirements for MDMS equipment and shall work with the City to identify available facilities at existing City properties.

- iii. MDMS equipment installed indoors shall be insulated, shielded, bonded, and grounded as necessary to protect from damage due to stray currents caused by indirect lightning strikes. Applicable Building Codes and other regulatory requirements shall be considered minimum requirements.
 - iv. MDMS equipment shall include surge protection and battery backup sufficient to operate the system for a minimum of 60 minutes at 100% load.
 - v. The MDMS shall interface with the City's Utility Billing software for the purpose of generating monthly utility bills.
 - vi. The MDMS shall provide direct and immediate access for the City's Customer Service staff to read current and stored meter usage data, including hourly, daily, and monthly usage. Data shall be configured in a convenient and easy to read manner, and shall present data in tabular and/or graphical formats.
 - vii. The MDMS shall include offsite backup and security measures necessary and included to protect data from intentional and unintentional loss or damage from natural or manmade disaster, tampering, misuse, and accidents.
 - viii. Customer Interface Portal
 - (1) The MDMS shall provide a Customer Interface Portal (CIP) accessible to the City's customers via the internet and smartphone or tablet devices using commonly available browsers and operating systems and platforms.
 - (2) City utility customers shall not be charged a fee to utilize the system.
 - (3) A registration process shall be provided to assure that customer access is limited to authorized users of a given account.
 - (4) The CIP shall provide useful data in an easily understood format, for the purposes of informing customers about actual water use.
 - (5) The CIP shall allow customers to select and customize options to receive alerts and notices about water usage, leaks, and line breaks, via text, email, or phone.
 - ix. The MDMS shall provide direct and immediate access for the City's Engineering, Operation, and Maintenance staff to read current and stored meter usage data, including hourly, daily, and monthly usage, for leak, line break, and backflow alerts. Data shall be configured in a convenient and easy to read manner, and shall present data in tabular and/or graphical formats.
 - (1) The City shall have the ability to customize alarm and alert settings and set points, and the ability to direct notices via text, email, or phone call to individuals or multiple parties.
 - (2) It is desirable that the MDMS data should also be available for selection, filtering, and downloading for subsequent analysis in Microsoft Excel. It is also desirable that live or near-live data should also be available upon request for interface with GIS linked hydraulic models.
 - x. The Proposer shall provide communication between the Meter Data Management System and each end-use. Proposer shall identify communication options and shall explicitly specify at least one communication option in the proposal. Proposer shall estimate expected communication traffic impact on City network associated with end user functions.
- d) Implementation and Integration Services shall include:
- i. All FCC licensing and software licensing,
 - ii. Procurement and preparation of Ancillary Equipment for use by the City,
 - iii. All coordination and programming necessary for complete and functional integration with the City's Utility Billing software.

- iv. Training of Finance, Utility Billing, Customer Service, Meter Reading, and Engineering and Operations staff in their respective areas of use of the system.
- e) Ancillary Equipment shall include all hardware and software necessary and recommended for a functional system.
 - i. Proposer shall specify software and accessories recommended for a Panasonic Toughbook Model CF-31 (or approved equivalent) to be used for data collection, troubleshooting, and programming.
 - ii. Proposer shall specify software and accessories recommended for a Trimble Ranger 3 Handheld data collector (or approved equivalent) to be used for data collection, troubleshooting, and programming.

G. AMI – Extended Service Plan

- a) The City will consider proposals including Extended Service Plans (ESP) covering all AMI – Data Infrastructure components for the initial term and all subsequent extensions through year 20, for the purpose of minimizing and quantifying risk to the City.
- b) Proposer shall fully describe the terms of the ESP and shall identify all known or anticipated costs, and should describe risk of other potential costs to the City.
- c) The City shall own and operate all AMI – Data Infrastructure components, and shall pay Proposer a uniform annual fee for the responsibility of maintaining the system in accordance with the ESP. ESP shall identify necessary annual or contract term escalators for the duration of the initial term and all subsequent extensions. ESP shall identify anticipated capital replacement costs to the City as necessary to maintain optimum performance for the initial term and subsequent terms through year 20. Future capital replacement costs shall be estimated at current costs or other basis justified by the Proposer.
- d) The ESP shall include a statement of the expected service life of all significant components including hardware, software, and firmware, and shall provide a cost estimate for the replacement, relicensing, update or other replenishment of the service life of each component.
- e) The ESP shall assure continued operability and compatibility with the City’s Utility Billing software or its successor, and common operating systems and platforms used in computer, mobile phone, tablet, or other applicable consumer electronic devices.
- f) The ESP shall provide 24/7 technical support by phone and shall specify hourly rates for additional onsite training and technical support requested by the City.
- g) The ESP should fund and execute onsite hands-on inspection and testing of all systems and shall evaluate and document system performance, at regular intervals but no less than once per year.
- h) The ESP should provide for update of all hardware, software, and firmware to maintain the system up to date with the Proposer’s current systems and should at no time lag more than 2 years behind the Proposer’s most current systems, except as limited by the capabilities of the water meters in service at the time.
- i) All manufacturer warranties which are not dependent upon continued extension of the ESP shall be provided to the City and shall be identified in the Proposal.

H. AMI – Fully Hosted Plans

- a) The City will consider proposals including Fully Hosted Plans (FHP) covering all AMI components for the initial term and all subsequent extensions through year 20, for

- the purpose of minimizing and quantifying risk to the City.
- b) The Proposer shall procure and operate all AMI – Data Infrastructure components, except for Meters and Transceivers which shall be owned by City, and City shall pay Proposer a uniform annual fee for the use of the system and the responsibility of maintaining the performance of the system in accordance with the FHP.
 - c) Proposer shall fully describe the terms of the ESP and shall identify all known or anticipated costs, and should describe risk of other potential costs to the City.
 - d) FHP shall identify necessary annual or contract term escalators for the duration of the initial term and all subsequent extensions. ESP shall identify anticipated capital replacement costs to the City (limited to City owned transceivers) as necessary to maintain optimum performance for the initial term and subsequent terms through year 20. Future capital replacement costs shall be estimated at current costs or other basis justified by the Proposer.
 - e) The FHP should maintain the performance of the system in like-new or better condition and shall evaluate and document system performance at regular intervals but no less than once per year.
 - f) The FHP shall update all hardware, software, and firmware as necessary to assure continued operability and compatibility with the City’s Utility Billing software or its successor, common operating systems and platforms used in computer, mobile phone, tablet, or other applicable consumer electronic devices.
 - g) The FHP shall fund and execute the replacement of all hardware lost due to damage, regardless of the cause of damage or whether the Proposer’s equipment was located at property owned by the City, the Proposer, or others.
 - h) The FHP shall provide 24/7 technical support by phone and shall specify hourly rates for additional onsite training and technical support requested by the City.
 - i) The FHP should provide for update of all hardware, software, and firmware to maintain the system up to date with the Proposer’s current systems and should at no time lag more than 2 years behind the Proposers most current systems, except as limited by the capabilities of the water meters and Transceivers in service at the time.

Section 7 - Proposal Forms

Company Name

PROPOSAL FORMS

Water Meters/AMI-AMR Services
RFP No. 16-01

Pursuant to and in compliance with your Invitation to Proposal dated _____, 2016 the Instructions, General Conditions, and other documents related hereto, the undersigned does hereby propose to furnish all labor, materials, and equipment necessary to perform _____.

Name of Firm _____

Firm's Address _____

Signature of Representative _____

Representative's Name (Typed) _____

E-Mail Address _____

Telephone Number _____ Date _____

Addendum Number: _____ Dated: _____

Technical Proposal Forms – The Technical Proposal Forms below are in the format that shall be used when submitting a proposal. Word Document Versions have been provided for ease of use. Overall Format shall not be altered.

| | |
|---|--|
| Proposer Name: | |
| Option AMR-1 - Metal Alloy Positive Displacement Meters with AMR System | |
| <i>(Response to this Option shall not exceed 2 pages, plus attachments)</i> | |
| Specification A. Water Meters - General | |
| Specification B. Metal Alloy Body, Positive Displacement Meters | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification D. Data Infrastructure-General | |
| Specification E. AMR-Data Infrastructure | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |

| | |
|---|--|
| Proposer Name: | |
| Option AMR-2 – Non-Metallic Body, Electronic Meters with AMR System | |
| <i>(Response to this Option shall not exceed 2 pages, plus attachments)</i> | |
| Specification A. Water Meters – General | |
| Specification C. Non-Metallic Composite or Polymer body, Electronic Meters (no moving parts) | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification D. Data Infrastructure-General | |
| Specification E. AMR-Data Infrastructure | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |

| | |
|--|--|
| Proposer Name: | |
| Option AMR-3 – Metal Alloy Positive Displacement Meters with AMI System / Extended Service Plan <i>(Response to this Option shall not exceed 3 pages, plus attachments)</i> | |
| Specification A. Water Meters – General Specification B. Metal Alloy Body, Positive Displacement Meters | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification D. Data Infrastructure-General Specification F. AMI-Data Infrastructure | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification G. AMI – Extended Service Plan | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |

| | |
|--|--|
| Proposer Name: | |
| Option AMR-4 – Non-Metallic Body, Electronic Meters with AMI System / Extended Service Plan <i>(Response to this Option shall not exceed 3 pages, plus attachments)</i> | |
| Specification A. Water Meters – General Specification B. Metal Alloy Body, Positive Displacement Meters | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification D. Data Infrastructure-General Specification F. AMI-Data Infrastructure | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification G. AMI – Extended Service Plan | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |

| | |
|--|--|
| Proposer Name: | |
| Option AMR-5 – Metal Alloy Positive Displacement Meters with AMI System / Fully Hosted Plan <i>(Response to this Option shall not exceed 3 pages, plus attachments)</i> | |
| Specification A. Water Meters – General Specification B. Metal Alloy Body, Positive Displacement Meters | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification D. Data Infrastructure-General Specification F. AMI-Data Infrastructure | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification G. AMI – Extended Service Plan | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |

| | |
|--|--|
| Proposer Name: | |
| Option AMR-6 – Non-Metallic Body, Electronic Meters with AMI System / Fully Hosted Plan <i>(Response to this Option shall not exceed 3 pages, plus attachments)</i> | |
| Specification A. Water Meters – General Specification B. Metal Alloy Body, Positive Displacement Meters | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification D. Data Infrastructure-General Specification F. AMI-Data Infrastructure | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |
| Specification G. AMI – Extended Service Plan | |
| Proposed Equipment | |
| | |
| Conformance with Specifications/ Discuss Ability and Inability to Meet or Exceed Specifications | |
| | |

COST PROPOSAL FORMS – The following Cost Proposal format shall be utilized for each proposed option without alteration.

| | | | | | |
|--|------------------------|----------|-----------|------------------|----------------------|
| Proposer Name: | | | | | |
| Option AMR-1 - Metal Alloy Body, Positive Displacement Meters with AMR System | | | | | |
| Item Description | Unit Cost (Yr. 1-5) | Quantity | Unit | Total Cost | Svc. Life (Years) |
| Specification A. Water Meters - General | | | | | |
| Specification B. Metal Alloy Body, Positive Displacement Meters | | | | | |
| 1. Furnish 5/8" Meter | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| Specification D. Data Infrastructure – General | | | | | |
| Specification E. AMR - Data Infrastructure | | | | | |
| 2. Furnish Transceiver | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| 3. Provide I&I Services / Project Mgmt., Programming, etc. | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 4. Provide I&I Services / Training | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 5. Furnish & Make Operational Laptop PC & Accessories | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| 6. Furnish & Make Operational Handheld Data Collector | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| | | | | Subtotal: | \$ _____ |
| Other a la carte Program Costs | | | | | |
| 7. 24/7 Phone Technical Support | \$ _____ | 1 | Annual | | |
| 8. Onsite Training | \$ _____ | 1 | Day | | |
| 9. Onsite Technical Support - Hardware & Software | \$ _____ | 1 | Day | | |
| 10. Other | \$ _____ | 1 | | | |
| 11. Other | \$ _____ | 1 | | | |
| | | | | Subtotal | \$ _____ |
| Estimated O&M Costs payable to Others | | | | | |
| 12. Laptop PC & Acc. - Factory ESP | \$ _____ | 1 | Annual | | |
| 13. Handheld Data Coll. - Factory ESP | \$ _____ | 1 | Annual | | |
| 14. Other | \$ _____ | 1 | | | |
| 15. Other | \$ _____ | 1 | | | |
| <i>(Itemize and Describe "Other" items on additional sheets as necessary.)</i> | | | | | |

| | | | | | |
|---|------------------------|----------|-----------|------------------|----------------------|
| Proposer Name: | | | | | |
| Option AMR-2 – Non-Metallic Body, Electronic Meters with AMR System | | | | | |
| Item Description | Unit Cost (Yr. 1-5) | Quantity | Unit | Total Cost | Svc. Life (Years) |
| Specification A. Water Meters - General | | | | | |
| Specification C. Non-Metallic Composite or Polymer Body, Electronic Meters (no moving parts) | | | | | |
| 1. Furnish 5/8" Meter | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| Specification D. Data Infrastructure – General | | | | | |
| Specification E. AMR - Data Infrastructure | | | | | |
| 2. Furnish Transceiver | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| 3. Provide I&I Services / Project Mgmt., Programming, etc. | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 4. Provide I&I Services / Training | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 5. Furnish & Make Operational Laptop PC & Accessories | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| 6. Furnish & Make Operational Handheld Data Collector | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| | | | | Subtotal: | \$ _____ |
| Other a la carte Program Costs | | | | | |
| 7. 24/7 Phone Technical Support | \$ _____ | 1 | Annual | | |
| 8. Onsite Training | \$ _____ | 1 | Day | | |
| 9. Onsite Technical Support – Hardware & Software | \$ _____ | 1 | Day | | |
| 10. Other | \$ _____ | 1 | | | |
| 11. Other | \$ _____ | 1 | | | |
| Subtotal | | | | \$ _____ | |
| Estimated O&M Costs payable to Others | | | | | |
| 12. Laptop PC & Acc. - Factory ESP | \$ _____ | 1 | Annual | | |
| 13. Handheld Data Coll. - Factory ESP | \$ _____ | 1 | Annual | | |
| 14. Other | \$ _____ | 1 | | | |
| 15. Other | \$ _____ | 1 | | | |
| <i>(Itemize and Describe "Other" items on additional sheets as necessary.)</i> | | | | | |

| | | | | | |
|--|------------------------|----------|-----------|------------------|-------------------|
| Proposer Name: | | | | | |
| Option AMI-3 - Metal Alloy Body, Positive Displacement Meters with AMI System / Extended Service Plan | | | | | |
| Item Description | Unit Cost (Yr. 1-5) | Quantity | Unit | Total Cost | Svc. Life (Years) |
| Specification A. Water Meters - General | | | | | |
| Specification B. Metal Alloy Body, Positive Displacement Meters | | | | | |
| 1. Furnish 5/8" Meter | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| Specification D. Data Infrastructure – General | | | | | |
| Specification F. AMI - Data Infrastructure | | | | | |
| 2. Furnish Transceiver | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| 3. Furnish & Install Data Collection (Fixed Network Radios or other) | \$ _____ | _____ | Lump Sum | \$ _____ | _____ |
| 4. Furnish & Install Communication – Data Collection to MDMS | \$ _____ | 1 | Lump Sum | \$ _____ | _____ |
| 5. Furnish & Install MDMS / Hardware | \$ _____ | 1 | Lump Sum | \$ _____ | _____ |
| 6. Furnish & Install MDMS / Software | \$ _____ | 1 | Lump Sum | \$ _____ | _____ |
| 7. Furnish & Install Communication - MDMS to End Uses | \$ _____ | 1 | Lump Sum | \$ _____ | _____ |
| 8. Provide I&I Services / Project Mgmt., Programming, etc. | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 9. Provide I&I Services / Training | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 10. Furnish & Make Operational Laptop PC & Accessories | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| 11. Furnish & Make Operational Handheld Data Collector | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| | | | | Subtotal: | \$ _____ |
| Specification G. Extended Service Plan – Annual Fees | | | | | |
| 12. MDMS / Software | \$ _____ | 1 | Annual | | |
| 13. Annual Onsite Inspection & Testing | \$ _____ | 1 | Annual | | |
| 14. Other | \$ _____ | 1 | Annual | | |
| 15. Other | \$ _____ | 1 | Annual | | |
| | | | | Subtotal | \$ _____ |
| Other a la carte Program Costs | | | | | |
| 16. Onsite Training | \$ _____ | 1 | Day | | |
| 17. Onsite Technical Support - Hardware & Software | \$ _____ | 1 | Day | | |
| 18. Communication System Hardware (Fixed Network Radio) | \$ _____ | 1 | Each | | |
| 19. Other | \$ _____ | 1 | | | |
| 20. Other | \$ _____ | 1 | | | |
| Estimated O&M Costs payable to Others (Not included in ESP) | | | | | |
| 21. Communication - Data Collection to DMS | \$ _____ | _____ | Annual | | |
| 22. Communication - MDMS to End Uses | \$ _____ | 1 | Annual | | |
| 23. Laptop PC & Acc. - Factory ESP | \$ _____ | 1 | Annual | | |
| 24. Handheld Data Coll. - Factory ESP | \$ _____ | 1 | Annual | | |
| 25. Other | \$ _____ | _____ | Annual | | |
| 26. Other | \$ _____ | _____ | Annual | | |
| <i>(Itemize and Describe "Other" items on additional sheets as necessary.)</i> | | | | | |

| | | | | | |
|---|---------------------|----------|-----------|------------------|-------------------|
| Proposer Name: | | | | | |
| Option AMI-4 – Non-Metallic Body, Electronic Meters with AMI System / Extended Service Plan | | | | | |
| Item Description | Unit Cost (Yr. 1-5) | Quantity | Unit | Total Cost | Svc. Life (Years) |
| Specification A. Water Meters - General | | | | | |
| Specification C. Non-Metallic Composite or Polymer Body, Electronic Meters (no moving parts) | | | | | |
| 1. Furnish 5/8" Meter | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| Specification D. Data Infrastructure – General | | | | | |
| Specification F. AMI - Data Infrastructure | | | | | |
| 2. Furnish Transceiver | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| 3. Furnish & Install Data Collection (Fixed Network Radios or other) | \$ _____ | _____ | Lump Sum | \$ _____ | _____ |
| 4. Furnish & Install Communication – Data Collection to MDMS | \$ _____ | 1 | Lump Sum | \$ _____ | _____ |
| 5. Furnish & Install MDMS / Hardware | \$ _____ | 1 | Lump Sum | \$ _____ | _____ |
| 6. Furnish & Install MDMS / Software | \$ _____ | 1 | Lump Sum | \$ _____ | _____ |
| 7. Furnish & Install Communication - MDMS to End Uses | \$ _____ | 1 | Lump Sum | \$ _____ | _____ |
| 8. Provide I&I Services / Project Mgmt., Programming, etc. | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 9. Provide I&I Services / Training | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 10. Furnish & Make Operational Laptop PC & Accessories | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| 11. Furnish & Make Operational Handheld Data Collector | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| | | | | Subtotal: | \$ _____ |
| Specification G. Extended Service Plan – Annual Fees | | | | | |
| 12. MDMS / Software | \$ _____ | 1 | Annual | | |
| 13. Annual Onsite Inspection & Testing | \$ _____ | 1 | Annual | | |
| 14. Other | \$ _____ | 1 | Annual | | |
| 15. Other | \$ _____ | 1 | Annual | | |
| | | | | Subtotal | \$ _____ |
| Other a la carte Program Costs | | | | | |
| 16. Onsite Training | \$ _____ | 1 | Day | | |
| 17. Onsite Technical Support - Hardware & Software | \$ _____ | 1 | Day | | |
| 18. Communication System Hardware (Fixed Network Radio) | \$ _____ | 1 | Each | | |
| 19. Other | \$ _____ | 1 | | | |
| 20. Other | \$ _____ | 1 | | | |
| Estimated O&M Costs payable to Others (Not included in ESP) | | | | | |
| 21. Communication - Data Collection to MDMS | \$ _____ | _____ | Annual | | |
| 22. Communication - MDMS to End Uses | \$ _____ | 1 | Annual | | |
| 23. Laptop PC & Acc. - Factory ESP | \$ _____ | 1 | Annual | | |
| 24. Handheld Data Coll. - Factory ESP | \$ _____ | 1 | Annual | | |
| 25. Other | \$ _____ | _____ | Annual | | |
| 26. Other | \$ _____ | _____ | Annual | | |
| <i>(Itemize and Describe "Other" items on additional sheets as necessary.)</i> | | | | | |

| Proposer Name: | | | | | |
|--|---------------------|----------|-----------|------------------|-------------------|
| Option AMI-5 - Metal Alloy Body, Positive Displacement Meters with AMI System / Fully Hosted Plan | | | | | |
| Item Description | Unit Cost (Yr. 1-5) | Quantity | Unit | Total Cost | Svc. Life (Years) |
| Specification A. Water Meters - General | | | | | |
| Specification B. Metal Alloy Body, Positive Displacement Meters | | | | | |
| 1. Furnish 5/8" Meter | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| Specification D. Data Infrastructure – General | | | | | |
| Specification F. AMI - Data Infrastructure | | | | | |
| 2. Furnish Transceiver | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| 3. Furnish & Install Data Collection (Fixed Network Radios or other), Communication – Data Collection to MDMS, MDMS / Hardware, MDMS / Software, Communication / MDMS to End Uses, I&I Services / Project Mgmt., Programming, etc., Complete and Operational | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 4. Provide I&I Services / Training | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 5. Furnish & Make Operational Laptop PC & Accessories | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| 6. Furnish & Make Operational Handheld Data Collector | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| | | | | Subtotal: | \$ _____ |
| Specification H. Fully Hosted Plan - Annual Fees | | | | | |
| 7. MDMS / Software | \$ _____ | 1 | Annual | | |
| 8. Annual Onsite Inspection & Testing | \$ _____ | 1 | Annual | | |
| 9. Other | \$ _____ | 1 | Annual | | |
| 10. Other | \$ _____ | 1 | Annual | | |
| | | | | Subtotal | \$ _____ |
| Other a la carte Program Costs | | | | | |
| 11. Onsite Training | \$ _____ | 1 | Day | | |
| 12. Other | \$ _____ | 1 | | | |
| 13. Other | \$ _____ | 1 | | | |
| Estimated O&M Costs payable to Others (Not included in FHP) | | | | | |
| 14. Laptop PC & Acc. - Factory ESP | \$ _____ | 1 | Annual | | |
| 15. Handheld Data Coll. - Factory ESP | \$ _____ | 1 | Annual | | |
| 16. Other | \$ _____ | _____ | Annual | | |
| 17. Other | \$ _____ | _____ | Annual | | |
| <i>(Itemize and Describe "Other" items on additional sheets as necessary.)</i> | | | | | |

| | | | | | |
|--|---------------------|----------|-----------|------------------|-------------------|
| Proposer Name: | | | | | |
| Option AMI-6 – Non-Metallic Body, Electronic Meters with AMI System / Fully Hosted Plan | | | | | |
| Item Description | Unit Cost (Yr. 1-5) | Quantity | Unit | Total Cost | Svc. Life (Years) |
| Specification A. Water Meters - General | | | | | |
| Specification C. Non-Metallic Composite or Polymer Body, Electronic Meters (no moving parts) | | | | | |
| 1. Furnish 5/8" Meter | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| Specification D. Data Infrastructure – General | | | | | |
| Specification F. AMI - Data Infrastructure | | | | | |
| 2. Furnish Transceiver | \$ _____ | 1,200 | Each | \$ _____ | _____ |
| 3. Furnish & Install Data Collection (Fixed Network Radios or other), Communication – Data Collection to MDMS, MDMS / Hardware, MDMS / Software, Communication / MDMS to End Uses, I&I Services / Project Mgmt., Programming, etc., Complete and Operational | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 4. Provide I&I Services / Training | \$ _____ | 1 | Lump Sum | \$ _____ | NA |
| 5. Furnish & Make Operational Laptop PC & Accessories | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| 6. Furnish & Make Operational Handheld Data Collector | \$ _____ | 1 | Allowance | \$ _____ | _____ |
| | | | | Subtotal: | \$ _____ |
| Specification H. Fully Hosted Plan - Annual Fees | | | | | |
| 7. MDMS / Software | \$ _____ | 1 | Annual | | |
| 8. Annual Onsite Inspection & Testing | \$ _____ | 1 | Annual | | |
| 9. Other | \$ _____ | 1 | Annual | | |
| 10. Other | \$ _____ | 1 | Annual | | |
| | | | | Subtotal | \$ _____ |
| Other a la carte Program Costs | | | | | |
| 11. Onsite Training | \$ _____ | 1 | Day | | |
| 12. Other | \$ _____ | 1 | | | |
| 13. Other | \$ _____ | 1 | | | |
| Estimated O&M Costs payable to Others (Not included in FHP) | | | | | |
| 14. Laptop PC & Acc. - Factory ESP | \$ _____ | 1 | Annual | | |
| 15. Handheld Data Coll. - Factory ESP | \$ _____ | 1 | Annual | | |
| 16. Other | \$ _____ | | Annual | | |
| 17. Other | \$ _____ | | Annual | | |
| <i>(Itemize and Describe "Other" items on additional sheets as necessary.)</i> | | | | | |

Insert Contract Proposal/s here.

References

Please provide contact information for businesses or units of government for which your Company currently provides (or previously has provided) AMI/AMR Services similar to those requested in this RFP.

| Reference #1 | | | |
|-------------------------|--|---------------------|--|
| Organization Name: | | | |
| Location (City, State): | | | |
| Contact Name: | | | |
| Telephone: | | Date Service Began: | |
| mail: | | Date Service Ended: | |
| Description of Service: | | | |
| | | | |

| Reference #2 | | | |
|-------------------------|--|---------------------|--|
| Organization Name: | | | |
| Location (City, State): | | | |
| Contact Name: | | | |
| Telephone: | | Date Service Began: | |
| mail: | | Date Service Ended: | |
| Description of Service: | | | |
| | | | |

| Reference #3 | | | |
|-------------------------|--|---------------------|--|
| Organization Name: | | | |
| Location (City, State): | | | |
| Contact Name: | | | |
| Telephone: | | Date Service Began: | |
| mail: | | Date Service Ended: | |
| Description of Service: | | | |

| Reference #4 | | | |
|-------------------------|--|---------------------|--|
| Organization Name: | | | |
| Location (City, State): | | | |
| Contact Name: | | | |
| Telephone: | | Date Service Began: | |
| mail: | | Date Service Ended: | |
| Description of Service: | | | |

| Reference #5 | | | |
|-------------------------|--|---------------------|--|
| Organization Name: | | | |
| Location (City, State): | | | |
| Contact Name: | | | |
| Telephone: | | Date Service Began: | |
| mail: | | Date Service Ended: | |
| Description of Service: | | | |

SECTION 00401
BID BOND

KNOW ALL PERSONS that we, _____ as Principal, and _____ as Surety, are held and firmly bound unto the City of Hamilton, Texas (hereafter called the ("Owner")) in the penal sum of _____ dollars (\$), (5%of the Total Base Bid) as hereinafter set forth and for the payment of which sum well and truly to be made we bind ourselves, our executors, administrators, successors and assigns, jointly and severally, by these presents;

The Principal has submitted a proposal to the Owner for the project known as Water Meters/AMI – AMR Services

The condition of this obligation is such that if the Owner shall accept the proposal of the Principal, and the Principal shall execute such contract documents, if any, as may be required by the terms of the bid and give such Contractor's bond or bonds for the performance of the contract and for the prompt payment of labor and material furnished for the project as may be specified in the proposal or in the event of the failure of the Principal to execute such contract documents, if any, and give such Contractor's bond or bonds, if the Principal shall pay to the Owner the difference, not to exceed the penal sum hereof between the amount specified in the proposal and such larger amount for which the Owner may in good faith contract with another party to complete the project, then this obligation shall be void, otherwise to remain in full force and effect.

Surety waives notice of and any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from Bid Due Date without Surety's written consent.

Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the county and state in which the Project is located.

Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent or representative who executed this Bond on behalf of Surety to execute, seal and deliver such Bond and bind the Surety thereby.

This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable provision of any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

_____ day of _____, 20_____.

(Seal)
Principal

ATTEST:

By _____

Secretary

Title

(Seal)
Surety

ATTEST:

By _____

Secretary

Title

EXHIBIT "A"

Contractor's and Subcontractor's Insurance:

1. Compensation Insurance: The Contractor shall procure and maintain during the life of this contract Workmen's Compensation Insurance for all of his employees to be engaged in work on the project under this contract, and in case any such work is sublet, the Contractor shall require the Subcontractor similarly to provide Workmen's Compensation Insurance for all the labor's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Workmen's Insurance. In case any class of employees engaged in hazardous work on the project under this contract is not protected under the Workmen's Compensation statute, the Contractor shall provide and shall cause each Subcontractor to provide adequate insurance for the protection of such of his employees not otherwise protected. The Contractor shall indemnify and hold the City harmless for any claim made by the Subcontractor for workmen's compensation.

2. Contractor's Comprehensive Liability and Property Damage Insurance: The Contractor shall procure and shall maintain during the life of this contract Contractor's Comprehensive Liability Insurance in an amount satisfactory to the Owner, but not less than \$300,000.00 for injuries, including accidental death, to any one person, and subject to the same limit for each person, in an amount not less than \$1,000,000.00, on account of one accident, and the Contractor's Property Damage Insurance in an amount not less than \$1,000,000.00. This insurance shall be maintained with an insurance company or companies licensed to do business in the state in which the Contractor shall perform his contractual services. Owner shall be named as additional insured on the policy.

3. Subcontractor's Comprehensive Liability and Property Damage Insurance: The Contractor shall require each of his Subcontractor's to procure and maintain during the life of his contract Subcontractor's Comprehensive Liability and Property Damage Insurance coverage in amounts satisfactory to the Contractor for his own protection, with an insurance company or companies licensed to do business in the state in which the Subcontractor shall perform his contractual services.

4. Scope of Insurance and Special Hazards: The insurance required shall provide adequate protection for Contractor and his Subcontractors, respectively, against damage claims which may arise from operations under this contract, whether such operations be by the insured or by anyone directly or indirectly employed by the insured, and also against any of special hazards which may be encountered in the performance of this contract.

5. Proof of Carriage of Insurance: The Contractor shall furnish the Owner with satisfactory proof of carriage of the insurance required, but the failure to provide adequate insurance shall not relieve the Contractor's responsibility to protect the Owner wholly from all such claims and damages. The certificate of insurance shall include as a certificate holder:

City of Hamilton
Attn: City Administrator
200 E. Main Street
Hamilton, TX 76531

PAYMENT AND PERFORMANCE BOND

Surety's Bond No. ____

City's Contract No. ____

Contractor (Principal):

Name: _____

Address: _____

Phone () _____

Surety:

Name: _____

Address: _____

Phone () _____

Owner:

City of Hamilton, Texas
200 E. Main Street
Hamilton, TX 76531

BY THIS BOND, We _____,
as Principal and _____, a Corporation,
as Surety, are bound to the City of Hamilton, Texas, a Texas Municipal Corporation, herein
called Owner, in the sum of \$ _____ for payment of which we bind
ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the contract dated _____, 20____, between Principal
and Owner for construction of _____

_____, the contract being made a part of this bond by reference, at
the times and in the manner prescribed in the contract; and

2. Promptly makes payments to all claimants, supplying Principal with labor, materials, or
supplies, used directly or indirectly by Principal in the prosecution of the work provided

for in the contract; and

3. Pays Owner all losses and damages, including, but not limited to, delay damages, and all expenses, costs, and attorney’s fees, including appellate proceedings, that Owner sustains because of a default by Principal under the contract; and

4. Performs the guarantee of all work and materials furnished under the contract for the time specified in the contract, then this bond is void; otherwise it remains in full force.

Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Texas Statutes.

Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the contract or the changes does not affect Surety’s obligation under this bond.

DATED ON _____, 20____.

WITNESSES:

Name of Principal

By: _____

Print name: _____

Title: _____

Print name: _____

Print name: _____

Name of Surety

By: _____

Print name: _____

Attorney-in-fact*

*(As Attorney in Fact) attach Power of Attorney and Current Certificate

