

**KENT COUNTY WATER AUTHORITY  
REQUEST FOR PROPOSAL RELATING TO PROFESSIONAL  
WATER METER AND ENDPOINT MODULE  
INSTALLATION SERVICES**

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**ARTICLE 1. GENERAL:**

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**1.1 Project Description**

The Kent County Water Authority (KCWA) requires the removal and replacement of existing customer owned water meters with new meters, registers and endpoints. KCWA currently services approximately 27,165 water accounts with meters ranging in size from 5/8 x 3/4-inch to 10-inch located in West Warwick, Coventry, East Greenwich, West Greenwich, and parts of Warwick, Scituate, Cranston, and North Kingstown, Rhode Island. The service area encompasses approximately 50 square miles of varying elevations ranging between 0 to 450 feet above mean sea level in elevation. Most of the current meters are nutating disk style positive displacement (PD) with registers communicating to a Neptune radio frequency (RF) endpoint mobile radio or Neptune automatic reading box (ARB) walk-by/punch reading systems. There are approximately 6,540 Neptune RF radios and 20,625 ARBs, and ten (10) manual dial read accounts. The Authority coordinated the purchase of the new meters and modules under a separate contract and now seeks to outsource the removal and replacement of meters and reading endpoints for all meters less than or equal to  $\leq$  two (2) inches and endpoints only for large and compound meters greater than three inches. There are approximately 294 large meters greater than three inches of which there are 272 compounds meters that will require dual endpoints or a device that can read both MIUs. . There are five (5) compound meters that are two-inch in size (high flow) each with a 5/8 x 3/4-low-flow meters that will require dual endpoints or a device that can read both MIUs. Approximately 630 of the accounts are located in meter pits. The remaining meters are located indoors. The project is anticipated to come to completion at the end of the two (2) year period from the date of award. The work includes but is not limited to contacting owners to schedule installations, and miscellaneous appurtenances and materials necessary and required to install the new meters and modules, testing, photographs and information collection, disposal/salvage value of the existing meters and storage of materials during the contract period. The selected proposer shall be responsible for all costs associated with the materials, labor and performance of the work. Due to the complexity of coordinating the installation of new meters while maintaining continuity of billing, the current reading/billing workflow is provided. This is provided for information purposes only and is not intended to endorse any product or service.

*Current Meter Reading/Billing Workflow*

Fifty-four (54) meter routes are read and billed quarterly based on cycles and routes, with the exception of 40 accounts that are read and billed monthly. On average, 1/3 of the system or roughly 9000 meters are read per month by the KCWA water meter reading staff. At the start of each new billing cycle, meter reading book files are exported from the Conduent utility billing system, now Avenu, and imported to the meter reading workstation/desktop computer hosting Neptune N-Sight software. The import file is in the form of a Neptune import file using a standard ASCII file format. Once imported into the host computer, the meter supervisor

assigns books into meter reading routes and programs into five (5) Trimble Ranger 3XE handheld RF reading devices networked to the host meter manager computer. The Meter Manager computer is running Neptune N\_Sight Ver 5.6.170707 on a Windows 10 desktop machine. The Trimble Ranger reads both the RF readings and ARB punch box readings. However, to read and store the ARB readings in the Trimble Ranger, the meter reading personnel must also carry a Neptune Advantage II punch reader. The Neptune Advantage II Probe provides instant visual reads of the ARB and wirelessly transmits those reads to the Trimble handheld device via Bluetooth. Once the routes are completed, the Trimble handhelds are cradled back to the host computer and the reading files are then exported back to the Conduent (now Avenu) utility billing system server. The customer service staff then reviews the readings for exceptions and potential problems via both printed reports and automatic checks each reading cycle within the quarter. Any issues that are noticed in the review process are evaluated and work orders are generated to fix any meter problems prior to posting to customers' accounts. Off cycle reading, accuracy checks, datalogging if available, and any other flagged identifier are evaluated either using the Trimble Ranger, punch reader, Neptune application on a smartphone and/or physical readings. Lastly, a spool billing file is created each month for the respective quarterly readings inclusive of current charges and is sent to the bill printing company that mails out the bills to the customers.

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## ARTICLE 2. QUALIFICATIONS OF PROPOSERS:

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- 2.1 Proposers may be investigated by KCWA to determine if they are qualified to perform the work. All Proposers shall be prepared to submit to KCWA, upon request, written evidence of such information and data necessary to make this determination. Proposers or team personnel to be assigned to the KCWA project must be identified as contributing participants in the reference project information supplied as part of the investigation.
- 2.2 The investigation of a Proposer will seek to determine whether the organization is qualified, specifically have relative prior experiences, adequate in size, financially sound, has sufficient personnel in the disciplines required to assure KCWA that they can complete the assignment ordered by the KCWA within the required timelines. Organizations found to have a history of not completing work on time or meeting deadlines within defined timelines will not be considered. KCWA will be the sole determining entity for this requirement.
- 2.3 Proposers shall have direct relevant experience in providing comprehensive professional water meter and RF module installation services related to residential and commercial installation. This shall include direct experience and references that demonstrate successful participation in no less than three (3) system wide water meter replacement projects of over 5000 units in the past 6 years that are of a similar size and scope.
- 2.4 In evaluating Proposals, KCWA will consider the qualifications of only those Proposers who's Proposals are in compliance with the prescribed requirements and the Request for Proposal Invitation.
- 2.5 KCWA reserves the right to reject any Proposal, or parts thereof, if the evidence submitted by, or the investigation of, such Proposer fails to satisfy KCWA that such Proposer is properly qualified to carry out the obligations of the Request for Proposals and any and all assignments from the KCWA.

- 2.6 No Proposer may be considered if they are indebted to KCWA for any unresolved issues regarding unpaid invoices issued by KCWA or services and materials owed to KCWA.
- 2.7 Each and every Proposer shall provide written evidence, at the time of the proposal submission and attached thereto, that they have or will acquire, prior to execution of the work or letter of engagement to the KCWA comprehensive insurance coverage in the amounts as listed below. The proposer shall assume responsibility and liability for all injuries to persons or damages to property, directly or indirectly due to, or arising out of, his operations under the contract and indemnify and save harmless the KCWA against any claims of whatever kind and nature due to or arising out of the work or contractual obligations.
- 2.7.1 Each and every Proposer shall provide written evidence at time of Proposal submission and attached thereto that they have or will acquire prior to execution of the work or letter of engagement to the KCWA the following insurances:
- 2.7.1.1 Worker's Compensation
- |           |                       |             |
|-----------|-----------------------|-------------|
| 2.7.1.1.1 | Worker's Compensation | Statutory   |
| 2.7.1.1.2 | Employer's Liability  | \$1,000,000 |
- 2.7.2.1 Comprehensive General Liability including Premise/Operations; Explosion, Collapse and Underground Property Damage; Products/Completed Operations, Broad Form Contractual, Independent Contractors; Broad Form Property Damage; and Personal Injury liabilities.
- |           |   |             |                  |
|-----------|---|-------------|------------------|
| 2.7.2.1.1 | Bodily Injury:                                      | \$1,000,000 | Each Occurrence  |
|           |   | \$2,000,000 | Annual Aggregate |
| 2.7.2.1.2 | Property Damage                                     | \$1,000,000 | Each Occurrence  |
|           |   | \$2,000,000 | Annual Aggregate |
| 2.7.2.1.3 | Personal Injury, with employment exclusion deleted. | \$1,000,000 | Annual Aggregate |
- 2.7.3.1 Comprehensive Automobile Liability including all owned (private and others), hired and non-owned vehicles:
- |           |                 |             |                 |
|-----------|-----------------|-------------|-----------------|
| 2.7.3.1.1 | Bodily Injury   | \$1,000,000 | Each Person     |
|           |                 | \$2,000,000 | Each Accident   |
| 2.7.3.1.2 | Property Damage | \$1,000,000 | Each Occurrence |
- 2.7.2 The contractor shall furnish and maintain pollution liability insurance rider with the Comprehensive General Liability policy. There shall be no exclusions to hazardous waste and pollution liability in the insurance policies related to the project. Contractor shall secure and maintain a separate individual rider for the

amounts listed in above. Certificates of insurance shall be from companies licensed to do business in the State of Rhode Island and acceptable to KCWA.

- 2.7.3 Contractor may purchase and maintain Excess Liability Insurance in the umbrella form in order to satisfy the limits of liability required for the insurance to be purchased and maintained in 2.7.1. Evidence of such excess liability shall be delivered in the form of a certificate indicating the policy numbers and limits of liability of the underlying insurance. The umbrella liability insurance shall have a combined single limit of not less than \$3,000,000.
- 2.7.4 The contractor shall furnish certificates of insurance from companies licensed to do business in the State of Rhode Island and acceptable to KCWA. The contractor shall name the KCWA as additionally insured on all policies.
- 2.7.5 The contractor shall require a similar insurance in the above amounts to be taken out and maintained by each subcontractor. The contractor shall be fully responsible for the acts and omissions of their subcontractors and of persons either employed directly or indirectly by them.
- 2.7.6 The KCWA employees, agents, and assigned shall be identified as additionally insured on the insurance documents. The proposer shall hold harmless KCWA from all claims. Cost of insurance shall not be included in rates proposed to the KCWA. Failure to provide written evidence will be grounds for rejection of Proposal.

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### ARTICLE 3. COPIES REQUEST FOR PROPOSAL DOCUMENTS:

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- 3.1 Complete sets of Request for Proposal Documents shall be used in preparing the Proposals. KCWA assumes no responsibility for errors or misinterpretations resulting from the use of incomplete sets of Request for Proposal Documents or the Proposers failure to request clarification of interpretations in writing at the pre-proposal conference.
- 3.2 KCWA, in making copies of Request for Proposal Documents available, do so only for the purpose of obtaining proposals for comprehensive professional water meter and endpoint module installation services related to residential and commercial installation and do not confer a license or grant for any other use.

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### ARTICLE 4. EXAMINATION OF REQUEST FOR PROPOSAL DOCUMENTS:

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- 4.1 Before submitting a Proposal, each Proposer must examine the Request for Proposal Documents thoroughly, and also familiarize themselves with all applicable laws, regulations and codes including but not limited to:
  - 4.1.1 All applicable Federal, State, and local Municipal regulations or building codes.
  - 4.1.2 All other documents, regulations, publications and guides necessary to complete the work proposed.

4.1.3 All applicable Federal and State Laws, Ordinances and Codes, and regulations of all Authorities having jurisdiction over this project shall apply as though written herein in full.

4.2 The submission of a Proposal will constitute an incontrovertible representation by the Proposer that they have complied with every requirement standard of this Request for Proposal and all reference documents.

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**ARTICLE 5. INTERPRETATIONS:**

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5.1 All questions about the meaning or intent of the Request for Proposal Documents shall be received in writing by KCWA before the pre-proposal conference date.

5.2 Only questions answered by formal written Addenda will be binding. Oral and other clarifications or interpretations will be without legal effect. Addenda will be mailed via certified mail or emailed, with return receipt requested, to all parties recorded as having received the Request for Proposal Documents.

5.3 Each Proposer shall be responsible for determining that they have received all Addenda issued and so note in the proposal response cover letter.

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**ARTICLE 6. PRE-PROPOSAL CONFERENCE:**

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6.1 A pre-proposal conference will be held as described in the advertisement for Request for Proposals to discuss project related concerns. Written questions concerning the work outlined in the request for proposal documents must be submitted before the pre-proposal conference date. Only written questions submitted to KCWA will be binding.

6.2 Attendance at the pre-proposal conference is not mandatory to submit a proposal.

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**ARTICLE 7. RECEIPT OF PROPOSALS:**

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7.1 Sealed Proposals for the Request for Professional Meter and Endpoint Module Installation Services will be received at the time and place indicated in the Request for Proposals invitation.

7.2 KCWA may consider informal any Proposal not prepared and submitted in accordance with the provisions hereof.

7.3 Proposers are cautioned that it is the responsibility of each individual Proposer to assure that their Proposal is in the possession of the responsible official of KCWA prior to the stated time and at the place of the Proposal Opening. KCWA is not responsible for Proposals delayed by mail and/or delivery services, of any nature.

7.4 All Proposals shall be submitted in a sealed opaque envelope. Clearly indicate on the envelope jacket that it is a Proposal for Professional WATER METER AND ENDPOINT MODULE INSTALLATION SERVICES. Kent County Water Authority shall not be responsible for any envelopes opened that are not clearly marked. (If forwarded by mail, Proposal shall be in a

sealed outer envelope marked as described above and shall be enclosed in another "inner" envelope with the notation "PROPOSAL ENCLOSED" on the face.)

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**ARTICLE 8. MODIFICATION OF REQUEST FOR PROPOSALS:**

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- 8.1 Proposals may not be modified once received by a KCWA representative. Should a Proposer desire to make a modification of the submission prior to the due date and time of the opening, the Proposer must request return of the proposal in writing and the Proposer shall be completely responsible for its resubmission prior to the due date and time, along with all other requirements of this RFP. After the opening of proposals, modifications will not be allowed.

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**ARTICLE 9. KENT COUNTY WATER AUTHORITY INVOLVEMENT DURING THE PROJECT:**

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- 9.1 The office and field personnel of the KCWA will have limited involvement in the Project. The General Manager/Chief Engineer will be available to review, in detail, all aspects of the project and assist where necessary but will not provide any office work or fieldwork. Direction will be provided as needed. The intent of this section is to work cooperatively through the entire project, but it is clearly understood that the proposer is fully responsible for all work and services for the entire project.
- 9.2 KCWA will continue to engage in meter repairs throughout the system during the course of the installation. The proposer shall provide KCWA with access to the meter installation software system and the means to install new meters and collect the same installation data for the project. The data being collected upon installation by KCWA will be performed and match what is being completed during the proposed installation.
- 9.3 KCWA will provide existing customer information inclusive of and fulfill provisioning of meters to the selected contractor to facilitate performance of the work. KCWA will continuously assist in research discrepancies encountered between customer account information provided that does not match information being gathered in the field during the installation by the proposer. Only KCWA billing, metering and address records shall be used and not from any other sources.
- 9.4 KCWA will shut off curb stops at appointments where the customer's isolation valve is deemed inoperative. Appointments to shut off curb stops by KCWA are to only to be made during hours of 8 to 3 Monday through Friday excluding holidays.

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**ARTICLE 10. SCOPE OF WORK:**

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10.1 General

KCWA anticipates the replacement of meters and endpoints according to the following schedule of sizes and type:

<b>Water Meter and Endpoint Module Change out Program</b>	
<b>Meter Size and Type</b>	<b>QTY*</b>

<b>5/8" x 3/4"</b>	<b>22247</b>
<b>5/8" x 3/4" Pit</b>	<b>117</b>
<b>5/8" Straight</b>	<b>59</b>
<b>3/4"</b>	<b>122</b>
<b>3/4" Pit</b>	<b>4</b>
<b>1"</b>	<b>3245</b>
<b>1" Pit</b>	<b>373</b>
<b>1 1/2"</b>	<b>76</b>
<b>1 1/2" Pit</b>	<b>49</b>
<b>1 1/2" Flanged</b>	<b>125</b>
<b>2"</b>	<b>148</b>
<b>2" Pit</b>	<b>83</b>
<b>2" Flanged</b>	<b>226</b>
<b>TOTALS</b>	<b>26863</b>
<b>Endpoint Modules</b>	<b>QTY*</b>
<b>Endpoint Modules 5/8" thru 2"</b>	<b>26247</b>
<b>Endpoint Modules 5/8" thru 2" PIT</b>	<b>626</b>
<b>Endpoint Modules for Large Meter ≥ 3"</b>	<b>294</b>
<b>Endpoint Modules Large Meter Bypass</b>	<b>272</b>

\*Quantity assumed for comparison of Proposals.

KCWA will supply all meters, registers and endpoint modules. The selected proposer shall be responsible for all costs associated with the materials, labor and performance of the installation work. The proposer should have access to a supply of meter gaskets/washers, couplings, flange fittings, and stainless-steel flange nuts, bolts, and washers in the cases where they might be required for replacement for installation. KCWA coordinated the purchase of the new meters and modules under a separate contract and now seeks to outsource the removal and replacement of the residential customer meters and endpoint modules in the large meters throughout the KCWA public water service area. The Authority will provide the new meters and endpoint modules to the installer based on requisitions made by the installer to meet the coordinated installation schedule. The Authority provides public water to the cities and towns of Coventry, West Warwick, East Greenwich West Greenwich and sections of Warwick, Cranston, Scituate and North Kingstown. The project is anticipated to come to completion at the end of the two (2) year period from the date of award.

The work includes, but is not limited to, contacting owners to schedule installations, and miscellaneous appurtenances and materials necessary and required to install the new meters and modules, testing, photographs and information collection, disposal of the existing meters and storage of materials during the contract period. The selected proposer shall be responsible for all costs associated with the materials, labor and performance of the work. The proposer is only

responsible for all plumbing work only as it relates to replacement of the meter, meter gaskets/washers, wire tamper seals, and module endpoints where applicable. The proposer shall replace any faulty meter couplings, flanges, and flange nuts, bolts, and washers. All replacement flanged meter bolt, nuts and washers shall be stainless steel. In the event that there are damages to customer plumbing caused by the proposer during the installation process then the proposer is fully responsible for all repairs and costs. If there is a pre-existing plumbing condition or any other component thereof that is in disrepair preventing the proposer from completing the work, then it should be noted and documented in the work order system as needing repair by the customer before the commencement of work.

Proposers shall be responsible to respond to all requirements of this Request For Proposal. This section should be considered as an outline of the minimum standards anticipated. The proposer is fully responsible to ensure all aspects of water meter and endpoint module installation services incorporated into their proposal submissions.

## 10.2 Review of Existing Information

The proposer shall be responsible for thoroughly reviewing all relevant information required to conduct activities associated with the project. This shall include at minimum:

- Billing and accounting software records.
- Customer Information System (CIS) records.
- Meter books/routes/billing cycles.
- Multiple Meetings with the General Manager, Director of Finance and Administration and other KCWA employees.
- Review of GIS records as it relates to meter location and account information.
- New metering system installation instructions and maintenance manuals.

The purpose of the document/information review is to provide the proposer with KCWA's customer information system, GIS, and metering records necessary to develop specific goals, objectives, and criteria that will be utilized in accomplishing the metering and endpoint module installation program. It will also be the proposer's responsibility to ascertain any additional information deemed relevant to achieving the goals of the project (i.e. selecting scheduling software, preferred installation processes, technology, documentation file format).

10.3 Meter and endpoint module installation shall consist of several coordinated elements requiring a refined process of delivering the desired installation program elements and documentation of the end result. The anticipated tasks are generally described below and must be expanded on by the proposer to assure all elements of the proposal submission delivered to the KCWA fulfill all of the necessary requirements for the meter replacement program project.

### 10.3.1 Scheduling and Coordination

- 10.3.1.1 Develop, or have access to, a software-based meter installation schedule to include city/town, meter route book account data, Geographic Information System (GIS) and customer billing database information. The Kent County Water Authority does not have phone contact information for every customer, so the proposer must also include other methods the proposer may use to contact each customer and coordinate the installation.



## 10.3.2 Meter Removal and Installation

10.3.2.1 The proposer shall be responsible for scheduling and coordinating its activities and the activities of any subcontractors to meet installation sequencing requirements as necessary and required to meet identified completion dates, milestones and inspection requirements.

10.3.2.1.1 An installation sequencing plan shall be submitted to KCWA prior to commencing work to assure coordinated delivery of sufficient quantity of meters and endpoints by style and type to meet the installation schedule. The plan must describe the proposed sequence, methods and timing of the work and materials. This plan must discuss methods to contact customers and follow up to pursue defined appointments.

10.3.2.2 Procurement of meters and endpoint modules will be accomplished by KCWA. The proposer is responsible for submitting timely orders for meters and modules to ensure adequate supplies are maintained in stock to meet the installation schedule. The proposer shall be responsible for receiving and storing these items for the duration of the project. Storage shall be a climate controlled secure facility within the service district. KCWA shall approve all orders prior to being placed and shall make payment directly to the manufacturer for these materials. This proposer shall coordinate delivery with the supplier and both the KCWA and the proposer shall inventory and sign off on all material at the time of delivery.

10.3.2.3 The Proposer shall submit the following items for review within 2 weeks of the signing of the Notice to proceed:

1. Complete Project Schedule
2. Final Control and Management Plan for Meter/Endpoint Installation.
3. Demonstration of software being used to manage the installation.
4. Shop Drawings
  - a) Meter Gaskets/Washers
  - b) Meter Couplings and Flanges
  - c) Flange Nuts, Bolts, and Washers
  - d) Tamper Tags, Warning Stickers, Wire Seals (Note: that tamper seals shall be identifiable as installed by KCWA and sacrificial/non-reusable if tampered)
  - e) 3M Scotchlocks type UR connectors

10.3.2.4 The Proposer shall complete the following within 3 weeks of the date of signing of the notice to proceed:

1. Installation personnel screening and background check
2. Installation personnel certification showing an understanding of the new metrology and technology being installed.

3. Installation personnel certification of the meter installation management software and equipment
4. Configuration of customer telephone and web services interface
5. Customer interaction and installation process training

10.3.2.5 Within 5 weeks of the signed notice to proceed the proposer shall proceed with a trial deployment for the replacement of forty (40) water meters and endpoints and 10 large compound meters requiring endpoints only. Upon receipt of the field data from the work performed the proposer shall compile a report for KCWA compliance review with the project goals, installation procedures, and documentation requirements. The proposer shall be allowed to proceed after correction of any discrepancies noted in the data collection, work processes or noncompliant workmanship.

#### 10.3.2.6 Non-Standard Installation

It is anticipated that the majority of the meter replacements will be a standard change out requiring the removal of the existing meter and installation of the new meter with new gaskets within the existing meter settings. Non-Standard installation work may be required. Non-Standard installations are instances where new meter couplings, flanges, bushings, flange nuts, bolts, and washers are required to complete the installation of the meter. The work shall include furnishing materials and installing all components. The prices are to be set as not-to-exceed unit values for each category on the fee schedule within the Price Proposal Form. Meter installations outside the bounds of the non-standard installation fee schedule will be handled on a case-by-case basis between the proposer and KCWA. The issue must be addressed and presented to KCWA as quote inclusive of the scope of work to decide the responsibility for work to be performed and payment for labor and materials.

### 10.3.3 Control of Work and Materials

10.3.3.1 The proposer shall handle and haul all materials used to complete the project. Any unused materials paid for by KCWA shall be returned at the end of the project.

10.3.3.2 Proposer is solely responsible for all damages to the materials, or customer's private property resultant from the performance of work or transportation or handling of the materials. It is required the photo be taken before and after work to document conditions at each meter and endpoint location. The proposer shall be responsible for the preservation of all public and private property, removal and reinstallation of interferences, and shall use every precaution necessary to prevent damage from occurring. Any and all property damaged through actions of the proposer work efforts shall be restored to a condition equal to that which was found before the work began.

10.3.3.3 Sanitary conveniences for the use of all persons employed on the project shall be provided in sufficient numbers and locations as necessary and required to

efficiently perform the work. The use of customer bathrooms shall not be allowed, and urination /defecation outdoors is strictly prohibited.

- 10.3.3.4 Defective work identified by the KCWA shall be immediately corrected. Material furnished by the Proposer and found defective or noncompliant with established standards or codes shall be removed from the work by the Proposer and not used anywhere else on the project. Proposer shall rectify all defective work and /or materials at his own expense
- 10.3.3.5 Proposer shall have a designated representative who will available to respond to emergency calls by KCWA 24 hours a day including weekends and holidays.
- 10.3.3.6 Proposer shall have a designated project manager who shall oversee daily activities and interact on a daily basis with KCWA personnel to coordinate activities.
- 10.3.3.7 Salvage meters shall be removed, stored and process for disposal destroyed at a metal recycling facility by the proposer. Monies received from the recycling facility shall be documented on a payment slips from the facility. Copies of the payment slips shall be provided to KCWA. The amounts shown on these slips will be subtracted from the contract amount for payment. No separate payment will be allowed for the costs of salvage meter removal, storing and processing as this is considered as work accomplished in conjunction to installation of the new meters. A running monthly tally of monies received from salvaged meters shall be maintained, totalized and provided to KCWA at regular intervals and a final report provided at the end of the installation.

#### 10.3.4 Meter and Radio Reading Device Installation

- 10.3.4.1 KCWA will provide a list that indicates customer name, account number, mailing address, meter address, and meter size for each location to which a replacement endpoint water meter will be replaced/installed. The proposer is responsible to obtaining phone numbers of customers. The proposer is responsible to contact the customers and or municipal users for the purposes of gaining access to the facilities or structures to perform the work. Contractor shall notify a minimum of three times in order to schedule an appointment. An initial mailing shall be made to notify all customers of the meter replacement program. An additional two mailing shall be made to customers who have not responded to make an appointment. The final mailing shall indicate a shut off date for noncompliance with the meter change out program. Ten days after that mailing a list of noncompliant customers shall be provided to KCWA to move forward with the shut off process. All draft letters for this process shall be reviewed and approved by KCWA two weeks after receipt of the signed notice to proceed.
- 10.3.4.2 The proposer shall use a computerized tracking system that coordinates appointment scheduling, service order tracking, and actual production totals. The system must be fully integrated with all phases of scheduling, production, customer contact documentation, and accounting. The system must generate daily, weekly and monthly report of production status, exceptions, and lists and

refusal/no response lists reports. The final layout requirements will be determined following award. The daily production reports shall be generated from an interactive database and contain at a minimum the following data:

1. Service Account number
2. Book and Route #
3. Customer name
4. Telephone number(s) mobile and/or landline.
5. Meter installers name
6. Property billing address
7. Property mailing address
8. Property physical address (Use latitude and longitude of meter location if different from mailing address)
9. Details on attempts to contact customer including method.
10. Date and time of installation
11. Full name of customer representative present at time of installation.  
Signature field transferring meter ownership to customer.
12. Does property have 4 or more units or houses a business establishment.
13. Meter location within building, pit, or hot box.
14. Location on house or building where service line enters. (For example, northeast corner facing road)
15. Service size and material (copper, galvanized, plastic, lead)
16. Meter size and multiplier on old meter register
17. Valve types upstream and downstream of meter (ball, gate, etc)
18. Backflow preventer or check valve present (size, make and model)
19. Meter reading and serial numbers of meter body and endpoint module/register.
20. Date and time stamped photographs before and after installation.
21. Photo of new meter with test tags attached showing the high, int, and low flow meter test results, date and time tested, and serial number.
22. Endpoint module serial number
23. Endpoint module location
24. Installation notes
25. Any connections or valving observed prior to the meter
26. Existence of any other meter such as deduct meters, their purpose and photo with main meter to show relationship
27. Record of endpoint module approval if applicable
28. Note if a well is present at the property and whether or not it is connected to the plumbing.
29. Irrigation system present or not
30. Fire sprinkler system present.
31. Is there a meter bypass? Does bypass have a post indicator valve? Is the bypass open or closed?

- 10.3.4.3 The proposer vehicle and personnel shall be easily identified. Personnel shall wear uniforms with company Logo. Vehicles shall have company logo affixed to the vehicle. Each person shall have a company photo ID either pinned to the uniform or displayed from a neck lanyard. All uniform items for all employees shall be the same color and make. Hat shall be like color and officiate the

company logo. Installers must be registered with the local police departments prior to commencement of work in that municipality. Copies of the employee photo ID shall be provided to KCWA and the police in each respective community at the time of registration.

- 10.3.4.4 The contractor shall provide a web interface for customers appointment scheduling. The interface shall be customized for this project and include links to the KCWA web page. The web page shall be maintained on a daily basis and display up to date appointment availability and contact phone numbers for normal business and after hours contact. Photo of installation personnel shall be displayed on the home page to assist customers in verifying authorized installers prior to entering onto private property.
- 10.3.4.5 Each customer shall be notified that the water will be shut off for the period necessary to install the new meter. The proposer shall determine that the pipes and couplings at the meter setting are acceptable condition for meter replacement. Should the valve before the meter be found not capable of shutting off the water to the meter the proposer shall notify the KCWA for assistance in shutting off the service at the curb stop. The KCWA will assist the proposer in a timely manner based on the availability of KCWA personnel to respond to the request. The proposer should have equipment available that can shut down the water internally in the event isolation valves fail.
- 10.3.4.6 Installation work includes but is not limited to, as applicable to the location, removal of the existing meter, register, reading device, arb box, and wiring between the meter and reading device. Installation of new meters, registers, and remote endpoint modules as applicable on the exterior or interior of the building as required to function properly. Work includes all materials labor and miscellaneous appurtenances, tags, seal wire, grounding, clamps and other interferences that were disturbed to conduct the work. Upon completion of the installation of the replacement meter conduct testing per the manufactures requirements to verify that there are no leaks, water flows in proper direction and meter is recording consumption, processing of the meter installation documentation including photographs and job site clean-up. The installer shall provide the customer with a written letter illustrating how the meter works and how to read the meter including leak detection.
- 10.3.4.7 Proposer shall notify KCWA of any installations that are special or unusual circumstances in the existing conditions such as meter located behind a wall or partially buried in concrete or confined space or leaks in the plumbing requiring repair prior to installation. In these instances KCWA will contact the owner and make a final determination as to access to the meter or plumbing repairs and whether or not the proposer or KCWA personnel will perform the install at a later date. In all cases the proposer shall take a minimum of two photographs documenting the conditions existing at that time and include this information in the database

### 10.3.5 Customer Complaints

- 10.3.5.1 Proposer shall designate a representative to accept complaint notification and meet with the customer to resolve problems related to the meter replacement program. All complaints shall be investigated within 24 hours of receipt of the complaint notification. Proposer shall correct any installation where a complaint from the property owner is dissatisfied with the installation work before.

#### 10.3.6 Documentation and Reporting

- 10.3.6.1 All documentation of the meter, register, endpoint module, and appurtenant meter installation data shall be accomplished using a paperless electronic work order device and software. The device shall have a scanner that enables the proposer to scan meter and endpoint module serial numbers. The use of a paper system will not be considered. The proposer shall provide for duration of the project fully functional data collection devices and appropriate software capable of tracking work orders, appointments, and installation data for use by KCWA personnel should they perform meter installations. The proposer shall train meter installation personnel and KCWA representatives in the proper and consistent use of the devices and work order software. The proposer shall be strictly responsible for the accuracy of the information reported to KCWA and strictly liable for all issues and costs resulting from false or inaccurate information submitted along with the correction thereof. The data shall be formatted to automatically transfer the new meter, register, endpoint module and all other information collected into the KCWA billing system. Documentation shall include the final read on the existing meter register(s). Failure of the proposer to collect the final read will make the proposer responsible for the payment of the consumption at that service location.

#### 10.4 Plumbing Services

- 10.4.1 The proposer shall have a RI licensed plumber available for any restorative plumbing work that is to be done on a case-by-case basis to correct issues caused by the installer performing the work.
- 10.4.2 RIGL allows KCWA to use their employees or engage the services of licensed plumbers or other contractors/service providers that meet certain requirements as determined by KCWA, for the purpose of replacing water meters or meter reading devices. RIGL allows this exemption under Plumbers, Irrigators, and Water System Installers § 5-20-35 (d).

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### ARTICLE 11. PRICE PROPOSAL FORM

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- 11.1 The Authority plans to complete the meter replacement and endpoint module installation over a two-year period. The Price Proposal Forms include the following:
- a) Price Proposal Forms
- Installation cost of all meters  $\leq$  to 2-inch in size with registers and endpoint modules.
  - Installation cost of endpoint modules on large meters  $\geq$ 3-inch.
  - Salvage value meters removed

- Fee schedule outlining costs for unanticipated replacement meter couplings, flanges, fittings, flange nuts, bolts, and washers, and flange tail pieces that may be required to complete the installation of the meter.

The scope of services requested herein includes the installation of meters, new meter gaskets, registers, and endpoint modules. The Proposer shall fill out the Price Proposal Forms in their entirety. All blank spaces for requested prices must be filled in, in ink or typewritten, a line should be struck through the applicable sheets, or marked “NA” where applicable. The overall prices will be evaluated compared independently as a complete supplied and integrated system that will operate in accordance to the contract documents.

11.2 Price Proposal Forms shall be completed in ink, typewriter, or indelibly printed. The Proposal price of each item on the form shall be stated in words, and figures. If unit prices are required on the Proposal Form, discrepancies between unit prices and their respective total amounts will be resolved in favor of the unit prices.

11.2.1 Discrepancies between words and figures will be resolved in favor of words. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

11.3 The quantities listed on the Price Proposal form are estimated for Proposal evaluation purposes only.

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#### ARTICLE 12. TIME OF COMPLETION / MATERIAL DELIVERY:

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12.1 All installation services including installation survey documentation and positive meter reading data correctly interfacing with billing software performed under this contract shall be completed within two (2) years from the date of signing the award letter to proceed.

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#### ARTICLE 13. REQUIRED SUBMITTAL FOR PROPOSALS:

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13.1 All items requested in this Article must be submitted bound in one original volume and one (1) copy. The proposal is to also be provided as a PDF on a CD or thumb drive. A maximum of 50 pages total will be allowed.

At a minimum, each Proposal must include the following:

- A technical approach and detailed scope of services for all project phases in response to this RFP;
- A detailed project schedule for all project phases;
- Proposed project team for all project including subcontractors for all project phases;
- Completed Price Proposal Forms
- Subcontractor list and description of services.
- Furnish a Performance Bond in the full amount of the Proposal submitted as security for faithful performance of work.
- Three (3) job references that show direct experience that demonstrate successful participation system wide water meter replacement projects of a similar size and scope in the past 6 years.

13.2 A resume of the Project Manager to be designated as contact and project director for KCWA with special emphasis on experience that might be considered germane to this Request for

Proposal, in particular meter replacement program planning, implementation and production management. Resume's of the personnel who will also be participants in the project work identified in the reference summary below.

- 13.3 Disclosure statement detailing any potential conflicts of interest relating to the KCWA and any and all previous or proposed clients.
- 13.4 Brief (5 pages or less) description of the firm or team, licensed plumber assigned, and the division responsible for this type of work request by KCWA.
- 13.5 Description of current work loads of the firm/team and/or the personnel to be assigned to this project and a description of the workload of each Department of the firm and personnel to be assigned. Description shall include current, proposed, projected and ability to service KCWA.
- 13.6 A complete listing of clients and assignments, preferably water utilities, over the past five years for whom water system meter replacement programs have been implemented and completed. The project team member assigned to this project should also be reflected in the reference summary project listing to assure an accurate evaluation of the team may be gleaned from contacting the reference clients.
- 13.7 Any and all other specifically related qualifications as deemed necessary for review.
- 13.8 A schedule and management plan of the anticipated tasks including time of start and completion of each. Schedule shall be by weeks indicating months with a specific date of completion. Include completion dates for draft documents, final document review times.
- 13.9 Registration to do business in Rhode Island in accordance with R.I. General Laws (as amended) Sections 7-1.1-99, 7-1.1 105, 7-1.1-106 (Applies to out of State corporations).
- 13.10 Costs for all meetings, reviews with approving agencies, printing, testing laboratories and any sub-contractors, and all incidentals shall be identified and included in the price to install the meters. The meter replacement project is envisioned to be conducted over a two-year period. All costs associated with the meter installation project work shall be identified and included in the installation fees. It is also understood that it may be necessary to continue the installation project work for a longer period of time, not to exceed six (6) months from the projected two year project completion date. There will be no additional compensation beyond the pricing submitted by the proposer to complete the entire project within the 2 year performance window. Note, the decision to allow the project timeline to extend beyond the 2 year performance period shall be at the sole decision of the KCWA.
- 13.11 The successful proposer shall not discriminate in employment practices and conform with Executive Order No. 11246. Successful proposers shall submit a list of all subcontractors who will perform work on the project, and written signed statements from authorized agents of labor pools with which they will or may deal with for employees on the work, together with any information to the effect that such labor pools practices or policies are in conformity with Executive Order No. 11246; that they will affirmatively cooperate in or offer no hindrance to the recruitment, employment, and equal treatment of employment, and equal treatment of employees seeking employment and performing work under this contract; or a certification as



to when such agents or labor pools have failed or refused to furnish them, prior to award of the contract.

- 13.12 All services including the classifications and hourly billing rates of all personnel to be in conformity with the provisions of Chapter 13 of Title 37, General Laws, Rhode Island, 1956, as amended, the minimum wages for a days work paid to craftsmen, teamsters and laborers shall be not less than the customary and prevailing rate of wages for a day's work in the locality where the work is undertaken. Such a schedule of wages has been established on a minimum hourly basis and is on file in the office of the State Department of Labor and Training. The selected proposer that is awarded a contract for the installation of meters and endpoint modules must submit monthly certified payroll during project execution.

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#### ARTICLE 14. SELECTION CRITERIA FOR INTERVIEW:

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- 14.1 KCWA shall review Proposals based on the following criteria: a minimum of three Proposals (if sufficient #'s submitted) may be selected from the criteria below for interviews. Only those selected for an interview, if the Authority so chooses, shall be eligible for selection to perform the services requested.
- 14.2 Conformance with the qualification requirements outlined in Article 2.
- 14.3 Competence and demonstrated knowledge and experience to perform the services as reflected by experience of the firm and company team to perform the services.
- 14.4 Organization content of Proposal, clear and concise nature of presentation, ability and demonstrated understanding and approach to performing the required work. Creativity in approach to completion of tasks in a manner most advantageous to the KCWA will be desired.
- 14.5 Ability to perform the services as reflected by the workload and availability of adequate personnel, past experience and quality of work. Demonstrated history of consistently completing work of this nature within the allowable performance period.
- 14.6 Schedule with tasks. Time of completion is critical and will be considered carefully for selection. Organizations found to have a history of not completing work on time or meeting deadlines within defined timelines will not be considered
- 14.7 Price Proposal Form completed

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#### ARTICLE 15. INTERVIEW AND FINAL SELECTION:

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- 15.1 Upon completion of Article 14, those firms selected will be notified of the date and time for interviews, interviews will be optional and determined by KCWA. Interviews, if required, will be held directly with KCWA and each interviewed proposer will be given an opportunity for a 15-minute presentation and 15 minutes of response questions from the board.
- 15.2 KCWA reserves the right to award this Proposal in whole or in part and reject any and all Proposals. KCWA reserves the right to award this proposal without interviews and basing these decisions on Article 13 and 14 above.

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ARTICLE 16. ENGAGEMENT OF SERVICES:

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- 16.1 Upon successful selection in Article 14 and/or 15, KCWA reserves the right to negotiate any and all parts to this Proposal with the selected Proposer prior to formalization of a letter of engagement for services.
- 16.2 In the event the successful Proposer cannot fully and timely perform his contractual obligation and/or successfully negotiate the Proposal, KCWA reserves the right to award the Proposal to any of the other qualified Proposers.
- 16.3 KCWA reserves the right to reject any and all Proposals, or parts thereof, to waive any and all informalities if it is in KCWA's best interest to do so, and the right to disregard all nonconforming, non-responsive, or conditional Proposals or portions thereof.
- 16.4 It is fully intended to engage the services of the successful Proposer as stated above upon negotiations and preparation of a letter of engagement acceptable to KCWA. Price alone will not be the sole determining factor. No work shall proceed without prior written authorization.
- 16.5 All information, software, equipment or other products of the work under this project are the sole property of the KCWA. Prior approval by the General Manager/Chief Engineer is required before the release of any element of the data or information for this project for any reason other than for use by KCWA.

Kent County Water Authority

KENT COUNTY WATER AUTHORITY

**PROFESSIONAL  
WATER METER AND ENDPOINT MODULE  
INSTALLATION SERVICES**

**PRICE PROPOSAL FORM**

The undersigned declares that the only persons or parties interested in this Proposal as principals are as stated; that the Proposal is made without any collusion with other persons, firms, or corporations; that they have carefully examined all the PROFESSIONAL WATER METER AND ENDPOINT MODULE INSTALLATION SERVICES Documents and that he has informed themselves in regard to all conditions pertaining to the Work and from them the undersigned makes this Proposal. These prices shall cover all expenses incurred in performing the Work required under the Documents of which this Price Proposal Form is a part.

The "quantities " listed in the Price Proposal Form are approximate and are given for use in comparing proposals and to indicate approximately the total amount of the contract; and the OWNER does not expressly or by implication represent that the actual amounts of Work will even correspond therewith but does call attention to uncertainty of the quantities of work involved. An increase or decrease in the quantity for any item shall not be regarded as grounds for an increase or decrease in the unit proposal price. The Owner reserves the right to increase or decrease the approximate quantities, or to omit entirely, any item listed in the proposal.

It is anticipated that the majority of the meter replacements will be standard change out requiring the removal of the existing meter and installation of the new meter with new gaskets within the existing meter setting. Non-Standard installation work may be required. Non-standard installation is considered work in addition to the unit price for standard meter installation as described below:

**Non-Standard:** It is anticipated that the majority of the meter replacements will be a standard change out requiring the removal of the existing meter and installation of the new meter with new gaskets within the existing meter settings. Non-Standard installation work may be required. Non-Standard installations are instances where new meter couplings, flanges, bushings, flange nuts, bolts, and washers are required to complete the installation of the meter. The work shall include furnishing materials and installing all components. The prices are to be set as not-to-exceed unit values for each category on the fee schedule within the Price Proposal Form. Meter installations outside the bounds of the non-standard installation fee schedule will be handled on a case-by-case basis between the proposer and KCWA. The issue must be addressed and presented to KCWA as quote inclusive of the scope of work to decide the responsibility for work to be performed and payment for labor and materials.

The award proposal contract may, upon mutual agreement of both parties, be extended for not more than two additional years without any change in Proposal Item prices for the work.

The undersigned acknowledges receipt of addenda numbered:

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The undersigned acknowledges that all blank spaces for proposal prices must be filled in with the unit price, extended price and/or lump sum for each item. A total for all proposed items shall be annotated on

the appropriate lines. In accordance with the above understanding, the undersigned proposes to furnish all materials, in its entirety in the manner and under the conditions required at the prices listed as follows

**Proposal:**

The Proposal includes installation of water meters, registers, and endpoint modules. The unit price for each meter and/or module endpoint should be filled out. The salvage value of existing meters that are to be removed must be filled out. The items listed in the "Proposal" shall be installed in quantities and time intervals to be determined by the Authority. After receiving individual equipment orders by the Authority, the Proposer shall meet installation requirements. The purchase of the meters, registers and RF modules are not included in this contract.

Item No.	Estimated Quantity*	Brief Description Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures
A-1		<b>WATER METERS AND REGISTERS:</b>	
A-1.1	<b><u>22,247 units</u></b>	5/8 x 3/4-inch water meter with endpoint module, installed, per unit	\$_____
		_____ (dollars)	
		AND	
		_____ (cents)	
		(\$ _____ )/unit	
A-1.2	<b><u>117 units</u></b>	5/8 x 3/4-inch PIT water meter with endpoint module, installed, per unit	\$_____
		_____ (dollars)	
		AND	
		_____ (cents)	
		(\$ _____ )/unit	

\*Quantity Assumed for comparison of Proposals.

<b>Item No.</b>	<b>Estimated Quantity*</b>	<b>Brief Description Unit or Lump Sum Price Bid in Both Words and Figures</b>	<b>Total in Figures</b>
<b>A-1.3</b>	<b><u>59 units</u></b>	5/8-inch straight water meter with endpoint module, installed, per unit	\$ _____
		_____ (dollars)	
		AND _____ (cents)	
		(\$ _____ )/unit	
<b>A-1.4</b>	<b><u>122 units</u></b>	3/4-inch water meter with encoder register, installed, per unit	\$ _____
		_____ (dollars)	
		AND _____ (cents)	
		(\$ _____ )/unit	
<b>A-1.5</b>	<b><u>4 units</u></b>	3/4-inch water meter with endpoint module, installed, per unit	\$ _____
		_____ (dollars)	
		AND _____ (cents)	
		(\$ _____ )/unit	
<b>A-1.6</b>	<b><u>3245 units</u></b>	1-inch water meter water meter with endpoint module, installed, per unit	\$ _____
		_____ (dollars)	
		AND _____ (cents)	
		(\$ _____ )/unit	

<b>Item No.</b>	<b>Estimated Quantity*</b>	<b>Brief Description Unit or Lump Sum Price</b>	<b>Total in Figures</b>
<b>A-1.7</b>	<b><u>373 units</u></b>	1-inch PIT water meter with endpoint module, installed, per unit	\$_____
		_____	
		(dollars)	
		AND	
		_____	
		(cents)	
		(\$ _____ )/unit	
<b>A-1.8</b>	<b><u>76 units</u></b>	1-1/2 inch water meter with endpoint module, installed, per unit	\$_____
		_____	
		(dollars)	
		AND	
		_____	
		(cents)	
		(\$ _____ )/unit	
<b>A-1.9</b>	<b><u>49 units</u></b>	1-1/2 inch PIT water meter with endpoint module, installed, per unit	\$_____
		_____	
		(dollars)	
		AND	
		_____	
		(cents)	
		(\$ _____ )/unit	

\*Quantity Assumed for comparison of Proposals.

<b>Item No.</b>	<b>Estimated Quantity*</b>	<b>Brief Description Unit or Lump Sum Price Bid in Both Words and Figures</b>	<b>Total in Figures</b>
<b>A-1.10</b>	<b><u>125 units</u></b>	1-1/2 inch flanged PIT water meter with endpoint module, installed, per unit	\$ _____
		_____ (dollars)	
		AND _____ (cents)	
		(\$ _____ )/unit	
<b>A-1.11</b>	<b><u>148 units</u></b>	2-inch water meter water meter with endpoint module, installed, per unit	\$ _____
		_____ (dollars)	
		AND _____ (cents)	
		(\$ _____ )/unit	
<b>A-1.12</b>	<b><u>83 units</u></b>	2-inch PIT water meter with endpoint module, installed, per unit	\$ _____
		_____ (dollars)	
		AND _____ (cents)	
		(\$ _____ )/unit	
<b>A-1.13</b>	<b><u>226 units</u></b>	2-inch flanged PIT water meter with endpoint module, installed, per unit	\$ _____
		_____ (dollars)	
		AND _____ (cents)	
		(\$ _____ )/unit	

\*Quantity Assumed for comparison of Proposals.

Item No.	Estimated Quantity*	Brief Description Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures
<b>Automatic Meter Reading Endpoints/ MIU Transmitters:</b>			
A-2.1	<u>294 units</u>	RF Endpoints/Transmitters for large meters (>2 inch) installed, per unit	\$ _____
			_____ (dollars)
			AND
			_____ (cents)
			(\$ _____ )/unit
A-2.2	<u>272 units</u>	RF Endpoints/Transmitters for large meter bypass meters installed, per unit	\$ _____
			_____ (dollars)
			AND
			_____ (cents)
			(\$ _____ )

\*Quantity Assumed for comparison of Proposals.



Item No.	Estimated Quantity*	Brief Description Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures
<b>A-3 SALVAGE VALUE OF SYSTEM</b>			
A-3.1	22,359units	5/8 x 3/4-inch existing water meter with register, salvage value, per unit	\$ _____
		_____ (dollars)	
		AND	
		_____ (cents)	
		(\$ _____ )/unit	
A-3.2	59 units	5/8-inch straight existing water meter with register, salvage value, per unit	\$ _____
		_____ (dollars)	
		AND	
		_____ (cents)	
		(\$ _____ )/unit	
A-3.3	126 units	3/4-inch existing water meter with register, salvage value, per unit	\$ _____
		_____ (dollars)	
		AND	
		_____ (cents)	
		(\$ _____ )/unit	
A-3.4	3618 units	1-inch existing water meter with register, salvage value, per unit	\$ _____
		_____ (dollars)	
		AND	
		_____ (cents)	
		(\$ _____ )	

\*Quantity Assumed for comparison of Proposals.

Item No.	Estimated Quantity*	Brief Description Unit or Lump Sum Price Bid in Both Words and Figures	Total in Figures
A-3.5	250 units	1-1/2-inch existing water meter with register, salvage value, per unit	\$ _____
		_____ (dollars)	
		AND	
		_____ (cents)	
		(\$ _____ )	
A-3.6	451 units	2-inch existing water meter with register, salvage value, per unit	\$ _____
		_____ (dollars)	
		AND	
		_____ (cents)	
		(\$ _____ )	

**TOTAL PROPOSAL FOR A-1 THROUGH A-2**

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AND (dollars)

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(cents)

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(\$ )

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**TOTAL PROPOSAL FOR A-3**

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AND (dollars)

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(cents)

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(\$ )

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**(TOTAL PROPOSAL A-1 THROUGH A-2) minus (TOTAL PROPOSAL A-3 )**

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AND (dollars)

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(cents)

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**FEE PROPOSAL FORM**  
(must be attached to Proposal)

Non-Standard Installation: Instances where new couplings, fittings, flanges and extension tail pieces are required to complete the installation of the meter. The work shall include furnishing materials and installing all components. Prices for each category must be set as not to exceed values and be unit pricing.

	<b>5/8 in x 3/4 in</b>	<b>5/8 in Straight</b>	<b>3/4 in</b>	<b>1"</b>	<b>1-1/2"</b>	<b>2"</b>
<b>Lead Free Brass Meter Coupling</b>						
<b>Lead Free Brass Meter Flange</b>	N/A	N/A	N/A	N/A		
<b>Lead Free Brass MIP x Meter Thread Bushing</b>	N/A	N/A	N/A	N/A		
<b>Stainless Steel Flange nuts, bolts, and washers</b>	N/A	N/A	N/A	N/A		
<b>Tail Piece Extensions</b>	N/A	N/A	N/A	N/A		

Installation cost as defined in the Kent County Water Authority request for proposal relating to professional water meter and endpoint installation module services Article 10.3.2.6.