



ADDENDUM No. 2

JANUARY 4, 2019

Solicitation Title: Advanced Metering Infrastructure Program

Solicitation No.: RFP 12-18-19 Opening Date: **Friday, January, 25, 2019**
by 3:30PM (LOCAL TIME)

Attention all potential bidders:

- MUST Addendum:** Read carefully and follow all instructions. Information included in this Addendum will have a material impact on the submittal for this solicitation. All "MUST" addenda are considered a matter of responsiveness. "MUST" addenda must be acknowledged on Form "A-5. Failure of a Submitter to acknowledge the addenda may be cause for rejection of the bid.

Please note the following changes:

1. Section 3.14.7 now reads:

All meters shall have an absolute encoder register that is permanently sealed using a glass reading dome and brass or stainless steel housing, reading in US gallons. The encoder register shall incorporate a sweep hand and leak indicator on the dial face. The encoder register shall have a plastic lid with the meter serial number stamped on it. The encoder register shall be designed with a resolution encoder which includes eight digit resolution to AMR/AMI Endpoints and the option of four, five, six, seven or eight-dial resolution. The Encoder register shall be mechanical, LCD or LED will not be accepted.

AMENDED TO READ:

All meters shall have an absolute encoder register that is permanently sealed using a glass reading dome and brass or stainless steel housing, reading in US gallons. The encoder register shall incorporate a sweep hand and leak indicator on the dial face. The encoder register shall have a plastic lid with the meter serial number stamped on it. The encoder register shall be designed with a resolution encoder which includes eight digit resolution to AMR/AMI Endpoints and the option of four, five, six, seven or eight-dial resolution. **The Encoder register shall be mechanical OR LCD, LED will not be accepted.**

Request for Information, Questions, and Clarifications:

- Q.1** “What percentage of meters are in fenced areas (behind gates)?”
A.1 **25% of meters are in fenced areas.**
- Q.2** “What percentage of meter boxes are located in concrete/asphalt?”
A.2 **10% of meter boxes are located in concrete/asphalt.**
- Q.3** “What is the composition of meter boxes to be replaced?”
A.3 **The replaced meter boxes shall be concrete.**
- Q.4** “Do all settings have shut off valves before the meters?”
A.4 **Yes.**
- Q.5** “What is the procedure for inoperable or broken valves?”
A.5 **The procedure will depend on the broken valve type, size, and location. The intent is to have the selected Contractor coordinate with the City to determine the most cost-effective approach to address these issues.**
- Q.6** “What is the age of the service lines?”
A.6 **The service lines are mostly 20 years old or more.**
- Q.7** “What is the primary service line make up?”
A.7 **The primary service line is galvanized.**
- Q.8** “Is GPS coordinate collection required at each meter location? If so, what coordinates are required to be collected?”
A.8 **Yes, GPS coordinates are required at each meter location. The City requires latitude and longitude coordinates to be collected.**
- Q.9** “Are meters in setters?”
A.9 **The meters are not in setters.**
- Q.10** “3.10.17 City of North Miami will not accept any proposals that utilize a multiple endpoint hopping system “Mesh Network”. What does the city find unacceptable about using a mesh network for this RFP?”
A.10 **Mesh Networks can be difficult to keep clear path communication and obtain redundancy.**
- Q.11** “3.14.1 All meters offered must comply with the latest NSF 372 standards. These specifications cover cold water meters and the materials and workmanship employed in their fabrication. The displacement meters covered are known as nutating disc meters and

are positive in action in that the discs displaces or carries over a fixed quantity of water for each nutation of the disc when operated under positive pressure. Only nutating disc meters offering bronze bodies conforming to NSF 372 standards are acceptable. Displacement meters with coatings applied on their housing bodies to meet NSF 372 standards are not acceptable. Since all PD meters meet AWWA C700 specifications, is an Oscillating Disc acceptable for this bid?

A.11 The intent is to review a bidder's complete system response as part of the compliance table without formally accepting or rejecting a component in this RFP response, but Oscillating Disc meters are an acceptable meter type.

Q.12 "the RFP states over 10 million radio frequency based endpoints. There is no water AMI vendor that has over 10 million water AMI endpoints installed. Vendors such as Itron and Aclara can meet that if you allow drive by and/or electric. Both drive by and Electric endpoints and methodology are very different than the water endpoint. Will you accept solutions with less than 10 million water AMI endpoints?

A.12 Yes.

Q.13 "Would you consider a cellular endpoint which will require NO Infrastructure at all and provide the ability to even install some of the remote shutoff meters without any plumbing."

A.13 No.

Q.14 "the date was to be revised – any word on when we will receive the official date?"

A.14 Per Addendum No. 1, the RFP due date has been changed to Friday, January 25, 2019.

Q.15 "What is the existing meter brand?"

A.15 Please refer to Revised Appendix D Existing Water Meter Inventory and City Asset Sites.

Q.16 "What is utility's Billing Software?"

A.16 The City utilizes Tyler Technologies, Inc.

Q.16 "Customer Notification – Are Mailers, Door Hangers required? Who provides?"

A.16 The selected Contractor will provide customer notification. Proposers are to include a public involvement program such as mailers, door hanger, and community interaction in their costs.

Q.17 Will City of North Miami provide are area for storage?

A.17 Storage will be the responsibility of the selected Contractor.

Q.18 "What is the material of existing lids?"

A.18 The existing lids are made of steel.

Q.19 "Are there existing holes in the lid?"

A.19 Yes.

Q.20 “What is the composition of meter box? (material)”

A.20 **The replaced meter boxes shall be concrete.**

Q.21 “What is size of meter boxes?”

A.21 **The meter boxes are 11” x 17”.**

Q.22 “Do all settings have shut off valves before the meters?”

A.22 **Yes.**

Q.23 Are all valves in the meter box?

A.23 **No.**

Q.24 “Do you have an Engineer’s estimate for this project?”

A.24 **Cost estimate for pilot study and first installation phase - \$6,400,000.**

Q.25 “What is the primary service line make-up, i.e. plastic, copper, galvanized?”

A.25 **The existing is galvanized.**

Q.26 “Are the meters in setters, or are they connected with straight meter couplings?”

A.26 **The meters are not in setters.**

Q.27 “For 1 ½” and 2” meters are the existing meters flanged or threaded?”

A.27 **1 ½” and 2” meters are typically flanged.**

Q.28 “Is the City of North Miami Tax Exempt?”

A.28 **Yes.**

Q.29 “Page 23 Item 3.6 – There’s not a line item for retrofits, do you plan on retrofitting some meters?”

A.29 **Yes, the City intends on retrofitting some meters. Proposers should discuss their retrofit process per Section 3.6 – Retrofit Hardware Requirements.**

Q.30 “Will the City grant a 3 week time extension for Prime Vendors to properly run and provide a Propagation Study?”

A.30 **Per Addendum No. 1, the RFP due date has been changed to Friday, January 25, 2019.**

Q.31 “Will the City require all Prime Vendors to include User’s Tax into the appropriate material pricing line items? This will ensure all prime vendor pricing to the City will be apples to apples.”

A.31 **Proposals should include all applicable costs.**

Q.35 “Will the City except Composite Positive Displacement Water Meters? The RFP mentions the City will accept Composite Positive Displacement Meters, but the specifications call for Bronze Meters. The City of North Miami currently purchases and installs Composite with Stainless Steel Thread PD meters currently.”

A.35 **The intent is to review a bidder’s complete system response as part of the compliance table without formally accepting or rejecting a component in this RFP response, but Composite Positive Displacement meters are an acceptable meter type.**

Q.36 “Will the City require the Prime Vendor to perform a survey for large meters (3”- 12”) and testing 10% of the City’s top consumption accounts for each meter size?”

A.36 **No.**

Q.37 “Will the Prime Vendor be required to include the Billing Integration Fee with the City’s Billing Software Company “ERP”? The City will pay less by directly taking the responsibility of this fee from ERP.”

A.37 **Yes, include all costs as discussed in the RFP.**

Q.38 “Will the City provide storage for project materials or will storage be the responsibility of the Prime Vendor?”

A.38 **Storage will be the responsibility of the selected Contractor.**

Q.39 There are several requirements which seem to be written in order to make the overall solution proprietary to one manufacturer. Was this the intent?

A.39 **No. The intent of the compliance table is so that variations can be submitted and discussed per the compliance table criteria.**

Q.40 In order to complete a propagation study to cover the entire service territory please provide the following:

- a. Service addresses for all meters. Please include address, city state and zip code OR GPS coordinates for each service location, if available.
- b. A list of city building, water towers, communications towers or other structures that could be used to mount a data collection device. Please provide, address (or GPS coordinates), type of structure, total height of structure and the available height that an antenna could be mounted.
- c. A map (or shape file) showing the outline of the service territory of the water system

A.40 **a. Please refer to Revised Appendix D Existing Water Meter Inventory and City Asset Sites.**

b. Please refer to Revised Appendix D Existing Water Meter Inventory and City Asset Sites.

c. Please refer to Appendix F City of North Miami Water Utility Billing Section Areas and Appendix G City of North Miami Water Atlas.

Q.41 “Would you please give a 3-week extension to the due date in order to complete the propagation study during the holiday season?”

A.41 **Per Addendum No. 1, the RFP due date has been changed to Friday, January 25, 2019.**

Q.42 Endpoints

- a. 3.3.7 - The endpoint must be factory installable at the meter manufacturer. List all available options for the installation of the endpoint into new or existing meters. Question: Is the City of North Miami expecting the endpoint to be integral to the water meter? Will the City accept a solution with separate meter and radio endpoint?
- b. 3.3.17 Endpoints shall be capable of reading the water meter on top of the hour every hour and storing a minimum of 160 days of readings. The endpoint shall be capable of transmitting any or all of the readings via radio commands to avoid having to physically visit the endpoint site. Describe memory capacity of endpoints, data logging retrieval process, and how the endpoint’s clock is kept on time, as well as the clock’s accuracy. Question: Why are 160 days of readings required? With a properly operating AMI System, data flows to the head end system continuously and the utility is notified of missing data regularly.
- c. The remote shut off capability must be agnostic to market technology. No integral remote shut-off will be accepted. Question: Why is an integral shut off valve not accepted? There are many advantages with an integral valve.

A.42 a. **Yes.**

b. The specification calls for endpoints to store a minimum of 160 days of readings for redundancy. If your endpoint storage is different, submit and discuss accordingly.

c. Remote shut off valves are available for water meters that remotely shut-off or restore water service. The valves should not be integral to the meter so that they are compatible with another meter technology.

Q.43 Meter Compatibility

3.5.2 Based upon City of North Miami meter data provided (Appendix D), please provide the estimated number of meters that can be retrofitted with endpoints and the estimated number of new meters required to automate the meter population. Question: the data provided in Appendix D does not contain data to answer this question. A breakdown of meter brand and register model is required. Can this data be provided?

A.43 **Please refer to Revised Appendix D Existing Water Meter Inventory and City Asset Sites.**

Q.44 Displacement Residential Water Meters

- a. 3.14.1 All meters offered must comply with the latest NSF 372 standards. These specifications cover cold water meters and the materials and workmanship employed in their fabrication. The displacement meters covered are known as nutating disc meters and are positive in action in that the discs displaces or carries over a fixed quantity of water for each nutation of the disc when operated under positive pressure. Only nutating disc meters offering bronze bodies conforming to NSF 372 standards are acceptable. Displacement meters with coatings applied on their housing bodies to meet NSF 372 standards are not acceptable. Questions: Are oscillating piston meters acceptable? If not, why not, if it meets AWWA Standards?

- b. 3.14.7 All meters shall have an absolute encoder register that is permanently sealed using a glass reading dome and brass or stainless steel housing, reading in US gallons. The encoder register shall incorporate a sweep hand and leak indicator on the dial face. The encoder register shall have a plastic lid with the meter serial number stamped on it. The encoder register shall be designed with a resolution encoder which includes eight digit resolution to AMR/AMI Endpoints and the option of four, five, six, seven or eight-dial resolution. The Encoder register shall be mechanical, LCD or LED will not be accepted. Question: Why are LCD or LED registers not acceptable?

A.44

- a. **The intent is to review a bidder's complete system response as part of the compliance table without formally accepting or rejecting a component in this RFP response, but oscillating piston meters are an acceptable meter type.**
- b. **Please refer to REVISED SECTION 3.14.7.**

For any other questions, clarification can be found in the specifications.
All other terms, conditions and specifications remain unchanged for this solicitation.

End of Addendum