



**City of Cleveland**  
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**Department of Public Utilities**  
Division of Water  
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October 16, 2009

## **ADDENDUM #1 - REQUEST FOR PROPOSAL FOR METER AUTOMATION AND REPLACEMENT PROGRAM: IMPLEMENTATION PHASE**

Dear Prospective Proposers,

The Cleveland Division of Water hereby issues the following Addendum #1 to the Request for Proposal for Meter Automation and Replacement Program: Implementation Phase. The following addresses changes in the due date as well as questions presented to CWD at the pre-proposal meeting held on October 9<sup>th</sup>. This Addendum #1 is to be considered a part of the above referenced Request for Proposals and is in full force an effect.

**Change:** Under Section 9: Schedule for Project, Date/Time column, line 5, change "October 30, 2009, 12:00 p.m. eastern time" to "November 6, 2009, 12:00 p.m. (noon) eastern time".

**Change:** Under Section 6: TECHNICAL PROPOSAL SUBMISSION REQUIREMENTS, Paragraph four, change "Proposals must be received **no later than 12:00 p.m. (Noon) on Friday, October 30, 2009.**" to "Proposals must be received **no later than 12:00 p.m. (Noon) on Friday, November 6, 2009.**"

**Reminder:** Questions must be submitted in writing by October 16, 2009, 5:00 p.m. Questions received after that deadline may not be addressed. Additional questions will be taken from installation service providers during Phase II of the proposal.

### **Responses to questions presented at the pre-proposal meeting on October 9<sup>th</sup>, 2009:**

1. QUESTION: How long should data be stored in the system?  
ANSWER: At least 1 year should be stored in the active database. Proposer should indicate their ability to store data longer, both in the active database and in an archival database.
2. QUESTION: Will Phase 1 include installation of the collector devices and repeaters?

ANSWER: Yes

4. QUESTION: What is/are the job classifications to be used for installation?  
ANSWER: CWD has not yet determined this, but will provide such information for phase 2 proposals
5. QUESTION: Will every ROM be replaced?  
ANSWER: Yes.
6. QUESTION: Does the AMI vendor have to purchase meters?  
ANSWER: No, the City will purchase the meters and registers.
7. QUESTION: How many meters does the AMI system have to interface to?  
ANSWER: The system should interface to AMCO meters and Badger meters. The City will purchase the registers to retrofit these meters. If you cannot retrofit to these meters, then they will have to be replaced in connection with your proposal. CWD needs at least two vendors from which to purchase meters. It is better if the AMI system can interface with more than just these meters.
8. QUESTION: What is the percentage of meter vault lids that are cast iron?  
ANSWER: All meter vault lids are cast iron at present.
9. QUESTION: What kind of flexibility is there on the number of collectors required?  
ANSWER: We expect that you will propose a sufficient number of collectors based on your propagation study to cover the MIUs and meet or exceed the performance requirements of Paragraph 5.1.23 of the RFP. There should be no discernible geographic concentrations (i.e., radio weak spots) of poor performance. CWD recognizes that the number of collectors may have to be adjusted up or down to a small degree, and that a small percentage of additional collectors may be required because some collectors cannot be installed at optimal locations.
10. QUESTION: Will MIUs and meters require field splicing to cables?  
ANSWER: There is usually a 3-conductor cable between the existing meter and the existing outside ROM device. CWD expects that most of these cables will be reusable. In that case, the cable must be attached to the MIU and the meter register. This may be done through the use of terminals on the units, splicing connectors, or some other technology. Meters and MIUs may be provided with pigtail wires potted inside the units. CWD will evaluate proposed connection technologies and methods for cost and reliability.
11. QUESTION: Is it expected that MIUs will be installed inside of homes?  
ANSWER: No, it is expected that the vast majority of MIUs will be installed on the exterior of the home. CWD has wired most homes with 3-wire cable for use with the existing ROM system. However, on homes where exterior mounting is infeasible, exceptions may be made.

12. QUESTION: Will the vendor have access to utility poles?  
ANSWER: CWD's sister organization (Cleveland Public Power) has power poles for potential access, but this only applies within the boundaries of the City itself. Power companies serving the rest of CWD's service territory may provide pole access. CWD serves many suburban areas with their own governmental organizations that may have utility or lighting poles.
13. QUESTION: Can you provide geo-coordinates of meter locations?  
ANSWER: Yes, they will be provided, but only in ESRI shape file format. These meters were placed in the GIS using conversion rules, and in many cases are best estimates of their locations, not precise locations. Not all meters in the CWD system were placed in our GIS.
14. QUESTION: How will the water meters be provided?  
ANSWER: The City will purchase meters under a requirements contract, which is not part of this solicitation. The AMI contractor will install them.
15. QUESTION: What sites are available for data collectors?  
ANSWER: CWD has provided a list of its sites. We serve some 70 communities, which have their own public and private properties.
16. QUESTION: How fast would the City want the network to be deployed?  
ANSWER: CWD desires the network to be fully deployed within the first year to 18 months. It's not required to be completed in the first couple of months.
17. QUESTION: Is it anticipated that CWD will be performing installations concurrently with the selected team?  
ANSWER: CWD will not be working alongside the selected team; however CWD personnel may install devices on an *ad hoc* basis in conjunction with responding to meter maintenance and failure issues.
18. QUESTION: Is the due date for questions still October 16th?  
ANSWER: Yes.
19. QUESTION: Can the elevations of the CWD facilities be provided?  
ANSWER: No.

#### Additional Attachments

Via email:

- Cleveland Water Department Sites Inventory

Via website ([http://www.clevelandwater.com/Capital\\_Projects/RFPs.aspx](http://www.clevelandwater.com/Capital_Projects/RFPs.aspx))

- Pre-proposal presentation

- Ohio AWWA Presentation concerning the Meter Automation and Replacement Program
- Pre-proposal sign-in sheet
- ESRI GIS Shapefile of accounts. (Please note this GIS data is for planning purposes only. Additional accounts may exist.)
- Map of service territory