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September 13, 2022

TO: All Prospective Bidders

FROM: Trent Ensley, Procurement Manager

**SUBJECT: ADDENDUM NO. 1
PWC2223007– GNSS LOCATION OF WATER METERS AND
BUILDING OF GIS FEATURE CLASSES FOR WATER
METERS AND SERVICES LATERALS DUE**

1. The Specifications and Bid Documents are hereby modified or clarified per the attached documents.
2. The foregoing changes or clarifications shall be incorporated in the original Bid Documents and a signed copy of this Addendum No. 1 shall accompany the bid to acknowledge the bidder's receipt and familiarity with the changes and/or clarifications.

TE:tke

Acknowledgement:

Company _____

By _____

Date _____

1. Does the PWC operate and maintain a GNSS Base-station and broadcast the corrects via the internet? **No. The State of NC has a VRS. All work must follow NCGS 89C and under the direct supervision of a PLS licensed in North Carolina.**
2. Section 4: Past Experience states, "Provide a brief description of similar projects completed in the last five (5) years...Provide a minimum of five (5) references." Would it be acceptable to include ongoing projects in response to these requirements? **No. Similar projects that have been completed.**
3. Section 5: Project Approach and Understanding states, "Include a listing and description of each phase of the project..." Does Fayetteville PWC have any preferences regarding the phasing of the project? **PWC does not have a preference in the RFQ phase of the project.**
4. What meter information is currently in or available from the Sensus AMI or Meter Data Management systems? (i.e., Service location coordinates or address, size, type, active/inactive, etc). **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
5. What Meter Information is currently in or available from the Customer Information/Billing System? (i.e., Service location coordinates or address, size, type, active/inactive, etc) **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
6. What format will the lateral data be given to meter GNSS vendor from the contractor? **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
7. Can we get a sample of existing feature class schema for both the meters and laterals? **No**
8. Are the meters or XMU to be collected from outside of the buildings/homes? If not, will a procedure or schedule be needed to get inside of the buildings/homes or behind fences and gates or just mark or place a point outside and identify them as inside? **This information, if available, will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
9. Does Fayetteville want this data to be housed on their internal servers or another server? **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
10. Do we need to collect any of the laterals or will that all be done by the contractor? And if contractor is collecting the location of the laterals, will that be done prior to the meters? **All laterals will be the responsibility of the selected consultant.**
11. Do the curb stops exist in the GIS data? **This information will be provided , if available, to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
12. Are the locations of the meters generally known or, can information be provided to help with locating the meters? Especially those meters not currently in the GIS system.
 - a. Are laterals mapped or, will they be located by a locating company prior to or, during the meter collection? **Only a portion of the laterals are in the current GIS. It is expected that the consultant will use this information, in conjunction with the field location of the**

meter, to accurately depict location. Attribute information may be extracted from existing GIS information.

- b. Any curb stops cards, data, notes or other legacy information with “clues” to facilitate finding meters or pits? **This information, if available, will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
13. How many meters are “lost”? **This is unknown.**
14. Will the existing 60,000 meters need verification and updating of the location? **Yes.** If yes, do the existing laterals need to be updated with the new location? **Yes.** Who is responsible to update the laterals? **The selected consultant.**
15. How many laterals have been mapped in the GIS? **This information is contained in the RFQ.**
16. Will we be working with a separate database or a versioned database? **Versioned databases.**
17. Does the Utility have their own Virtual Reference System (VRS)? If not, is there a freely available VRS system active in the area or will we need to find a subscription service to get RTK corrections? **No. The State of NC has a VRS. All work must follow NCGS 89C and under the direct supervision of a PLS licensed in North Carolina.**
18. Does the utility have the capability to provide an editable web feature service? **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
19. How will we identify meters, especially on properties with multiple meters? **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.** Will a radio read, or touch read device be provided to identify individual meters? **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.** Can FPWC clarify or define the level of involvement required by the Professional Licensed Surveyor (PLS)? **All work must follow NCGS 89C and under the direct supervision of a PLS licensed in North Carolina.**
20. When will the contract be awarded? **There is no exact date, but it is expected to be awarded in the late October time frame.**
21. What is the anticipated date to start gathering the information and starting the project **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
22. Will the laterals need to be mapped to the meter or to the private property residence? **Only from the meter to the main.**
23. As the laterals are already a GIS feature and just need to be updated? No toning or GPR underground mapping required? **Only a portion of the laterals are in the current GIS. It is expected that the consultant will use this information, in conjunction with the field location of the meter, to accurately depict location. Attribute information may be extracted from existing GIS information.**
24. Does the line need to be located from the meter back to the main line? **All laterals must be drawn from meter to main using meter location and existing PWC data.**

25. Does the PLS need to be onsite for all the GPS points? **All work must follow NCGS 89C and under the direct supervision of a PLS licensed in North Carolina.**
26. Do we require a PLS stamp on our deliverables? Since the deliverables are electronic, it may not be a stamp, but some other document that shows we have the approval of a PLS? **Please refer to North Carolina 89C and NCAC Title 21 Chapter 56 for rules regarding this.**
27. Field locates of all water meters utilizing equipment GNSS units to collect XY coordinates with horizontal accuracy of sub meter or better with a preference of sub foot when possible-does this have to be RTK? **Yes**
28. What is the flexibility of the work schedule? Allow us to work 6-day weeks? 10 hrs./day? **This information will be provided to the chosen consultant after the qualifications-based selection process and during the scoping phase with selected consultant.**
29. When is commencement of work? **There is no exact date, but it is expected to be awarded in the late October time frame.**
30. Regarding the supervision of a NC PLS for GPS data collection -- Can a firm (prime consultant) that is unlicensed in the state of NC meet the requirement by utilizing a licensed NC PLS (subcontractor) and perform the GPS data collection under their supervision?" **Please refer to the North Carolina General Statutes 89C-3 subsection 7 (a) (6 and 7), and subsection 10.**