



BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION

December 19, 2019

PROJECT: Request for Proposal No. 20-028 – Advanced Metering Infrastructure and Meter Data Management System for the BGJWSC

ADDENDUM: Two (2)

DUE DATE: TUESDAY, JANUARY 28, 2020 12:00PM, NOON

THIS ADDENDUM IS FOR THE PURPOSE OF ANSWERING THE FOLLOWING QUESTIONS:

1) **QUESTION:** Would the BGJWSC consider issuing an extension to the January 28, 2020 due date for this RFP?

ANSWER: No, an extension will not be issued. Please have all completed proposals received to the BGJWSC Office of Procurement no later than 12PM, Noon on Tuesday, January 28, 2020. Late proposals will not be accepted.

2) **QUESTION:** Page NIP-1, Section A.2 -- Does this mean flat file transfer, FTP transfer, or API transfer?

ANSWER: Flat file transfer

3) **QUESTION:** Page NIP-1, Section A.2 -- Is “GIS survey-grade mapping” intending to mean that (sub-foot) coordinates need to be gathered on each meter, and if not what specification is necessary to fulfill this requirement?

ANSWER: Accuracy should be less than 30cm.

4) **QUESTION:** Page NIP-1, Section A.2 -- What axis data (X, Y, and Z) is needing to be obtained?

ANSWER: We collect our data in US State Plane 1983 XY coordinates. Z values are not required for this project.

5) **QUESTION:** Page STR-5, Section 4.2.1 -- Will digital displays and/or Solid state meters be considered?

ANSWER: Digital dials will only be considered for JWSC large meters of 3 inches and above

6) **QUESTION:** Please give the number of Ground Storage Tanks vs. Elevated Storage Tanks.

ANSWER: There are a total of 25 tanks, 8 of which are ground storage.

7) **QUESTION:** Will the infrastructure (NaaS) be completed all at once or phased in?

ANSWER: The infrastructure should be phased in during the Pilot Program

8) **QUESTION:** Should the contractor be prepared to remove and replace boxes and lids or lids only? Is there a spec for this work?

ANSWER: Some of both.

9) **QUESTION:** Are there pipe fittings or dresser couplings?

ANSWER: Pac Joints on $\frac{3}{4}$ inch and 2 inch meters

10) **QUESTION:** Is there an option to submit add-ons to the required bid form?

ANSWER: Yes, additions to the base package may be presented, but please make sure the basic required bid form is filled out entirely.

11) **QUESTION:** Are the large meters uniformed across the system?

ANSWER: For the most part, yes meters greater than 3 inches are Badger. Meters less than 3 inches are mixed vendors.

12) **QUESTION:** Should there be installation of infrastructure and meters or just one or the other?

ANSWER: Installation should be turn-key and involve meters and infrastructure

13) QUESTION: Would JWSC give consideration to eliminating the Pilot Program if a performance guarantee could be provided?

ANSWER: Yes that could be considered

14) QUESTION: Will the Harris software system allow for new meter electronic transfers? How will the inventory be imported and what is the process flow (meter file swap, integration)?

ANSWER: Yes, Harris can inventory imports. Please see attached Meter Import Format sheets.

15) QUESTION: Will the contractor be required to use JWSC work order system?

ANSWER: No work orders will be issued to the contractor.

16) QUESTION: Does JWSC prefer survey grade or map grade data?

ANSWER: Survey grade

17) QUESTION: Is the RFP for Open AMI?

ANSWER: The contractor can use any manufacturer, however JWSC is a water utility only.

18) QUESTION: Can JWSC provide a list of fields required for data input?

ANSWER:

- **Install Date**
- **Date Collected**
- **Time Collected**
- **Data Collector**
- **Transmitter Number**
- **Property Number**
- **Service Type**
- **XY Coordinates**
- **Location**
- **District**
- **Route**
- **Field Notes**

19) QUESTION: Should the Pilot Program be fixed based AMI or can drive-by read be incorporated?

ANSWER: Drive by read can be used for the Pilot Program only to determine the functionality of the meters without completely installing the

AMI infrastructure.

20) QUESTION: Where are the meters located?

ANSWER: Most meters are at or near the street. A small number are not, and most are covered.

21) QUESTION: After the Pilot Program has been completed, will there be dedicated installation/replacement routes?

ANSWER: Yes, there will be a dedicated route with the possibility of replacing large meters first.

22) QUESTION: In regards to the NaaS, is it the intention of JWSC to not pay for the infrastructure?

ANSWER: No, JWSC fully intends to pay for the infrastructure. However, JWSC does not want to own or maintain the NaaS, only the meters.

23) QUESTION: Are there fire meters or fire lines?

ANSWER: There are fire lines that are billed. Fire meters are unmetered, but there are 6 and 8 inch fire meters for some condo associations.

24) QUESTION: Can radios be installed or retrofitted on newer meters?

ANSWER: Yes, that could be possible. Please include the capabilities for this in your proposal.

25) QUESTION: Will 1.5 and 2 inch meters require backflow?

ANSWER: Please frame your response as if all meters will require backflow.

26) QUESTION: Does the 80 page limit include technical specifications for products?

ANSWER: Yes, the 80 page limit should include all technical specs. BGJWSC required forms (Insurance, Affidavit, etc) are not included in the page limit.

27) QUESTION: Please explain the process if the Pilot Program in unsuccessful. Who is responsible for removing the meters?

ANSWER: If the meters are still inside the warranty period, the contractor will assume responsibility. If the meters are outside the warranty period, JWSC will assume responsibility.

28) QUESTION: If changing boxes and lids is required, should a line item be added to the bid for sidewalk cuts and replacements?

ANSWER: Yes, please add this line item cost to your bid sheet.

29) QUESTION: Who has the responsibility to notify customers?

ANSWER: JWSC will take care of customer notification. This includes large meter customers.

30) QUESTION: Will vaults need to be replaced?

ANSWER: That is a possibility. Please include a line item in your bid form for vault installation/replacement with a bypass cost.

31) QUESTION: Can ultrasonic be used with large meters?

ANSWER: Yes, ultrasonic can be used for meters 3 inches and above.



All applicants under this Invitation for Bid are kindly requested to acknowledge receipt of this Addendum in original only.

**ACKNOWLEDGEMENT
ADDENDUM: TWO (2)**

DATE: _____

The above Addendum is hereby acknowledged:

(NAME OF BIDDER)

Signature

Title

ERT Import Format Help

Below is a table describing the fields and formats that are necessary to import your meter ERT data into the customer information system. The file must be a comma-separated value (CSV) format - you can create this in Excel by choosing Save As... and selecting CSV.

For each ERT, the import process looks to see if there is already an existing inventory item for the inventory type and unique identified and if so, it will use that one instead of creating another one. The inventory type is derived from the meter type on the meter.

The CSV file can have the columns in any order. The only requirement is that the column header be the first row in the CSV and have the header names match the value in the 'Import Field Header' column of this table (case-insensitive). If a column is not required and you do not have data for it, you do not even need to include it in your upload file. Required fields are in bold and also have a Yes in the required column.

The following business logic validations are performed on the meter ERT import data:

- The meter number must exist in the system.
- If the unit of measure is populated, the sequence number must be populated and vice versa.
- If the unit of measure and sequence number are populated, the register must exist (with no to date) on the meter.
- The meter type of the meter must have an ERT inventory type configured.
- The combination of ERT type, unique identifier, and meter number cannot exist on an active ERT installation.

Import Field Header	Description	Required	Data Type	Valid Values or Valid Format	Maximum Length
meternumber	Unique meter identifier.	Yes	String		20
fromdate	The from date of the ERT.	Yes	Date	Format MM/DD/YYYY	
uom	The register's unit of measure. Only populate this if you want the ERT to be linked to a register. If you do, you must also populate the sequence number.	No	String	A source value from the unit of measure configuration. (Company -> General Configuration -> Unit of Measure)	50
sequence	The register's unique sequence number. Only populate this if you want the ERT to be linked to a register. If you do, you must also populate the unit of measure.	No	Number	Greater than or equal to 1.	2
erttype	The ERT Type.	Yes	String	A source value from the ERT type configuration. (Company -> Meter Configuration -> ERT Type)	150
uniqueidentifier	The serial number of the ERT.	Yes	String		20

Meter Import Format Help

Below is a table describing the fields and formats that are necessary to import your meter data into the customer information system. The file must be a comma-separated value (CSV) format - you can create this in Excel by choosing Save As... and selecting CSV.

The CSV file can have the columns in any order. The only requirement is that the column header be the first row in the CSV and have the header names match the value in the 'Import Field Header' column of this table (case-insensitive). If a column is not required and you do not have data for it, you do not even need to include it in your upload file. Required fields are in bold and also have a Yes in the required column.

The meter import requires one register; if you are uploading compound meters with multiple registers, you put the first register in this file and subsequent registers in the register upload. If you only have one register on the meter this file is sufficient.

The following business logic validations are performed on the meter import data:

- The meter number cannot be in another row in the import file and cannot be in the application's existing meter data - it must be unique
- The register multiplier must be greater than .00001.
- The register number of dials must be greater than or equal to 1.
- The register sequence number must be greater than or equal to 1.

Import Field Header	Description	Required	Data Type	Valid Values or Valid Format	Maximum Length
meternumber	Unique meter identifier.	Yes	String		20
status	The status of the meter.	Yes	String	A source value configured on a code in the meterStatus code group. (Company -> General Configuration -> Codes)	
metertype	The meter type.	Yes	String - alphanumeric	A source value from the meter type configuration. (Company -> Meter Configuration -> Meter Type)	50
fromdate	The from date of the register.	Yes	Date	Format MM/DD/YYYY	
sizes	The size of the meter.	No	String	A source value from the size configuration. (Company -> General Configuration -> Size)	50
dials	The number of dials on the register.	Yes	Integer	Greater than or equal to 1.	2
uom	The register's unit of measure.	Yes	String	A source value from the unit of measure configuration. (Company -> General Configuration -> Unit of Measure)	50
multiplier	The register's multiplier.	Yes	Number	Greater than or equal to .00001.	20 digits including five decimal places.
sequence	The register's unique sequence number..	Yes	Number	Greater than or equal to 1.	2
itronbillcode	The meter's itron bill code.	No	String		1
testcircle	The register's test circle.	No	String		2
serialnumber	The serial number of the meter.	No	String		20
manufacturerserialnumber	The manufacturer's serial number of the meter.	No	String		20
manufacturer	The manufacturer of the meter.	No	String	A source value configured on a code in the 'manufacturer' code group. (Company -> General Configuration -> Codes)	20
lifespan	The life span of the meter.	No	String		2
purchasedate	The purchase date of the meter.	No	Date	Format MM/DD/YYYY	

testingdate	The testing date of the meter.	No	Date	Format MM/DD/YYYY	
installdate	The install date of the meter.	No	Date	Format MM/DD/YYYY	
calibratedate	The calibrate date of the meter.	No	Date	Format MM/DD/YYYY	
removedate	The remove date of the meter.	No	Date	Format MM/DD/YYYY	
repairdate	The repair date of the meter.	No	Date	Format MM/DD/YYYY	
inspectdate	The inspection date of the meter.	No	Date	Format MM/DD/YYYY	
scrapdate	The scrap date of the meter.	No	Date	Format MM/DD/YYYY	
testcycle	The test cycle of the meter.	No	Integer		8
inventorypartno	The inventory part number of the meter.	No	Integer		9
peakusage	The peak usage of the meter.	No	Integer		9
vintageyear	The year the meter was first installed.	No	Integer		4
warehouse	The warehouse code of the meter.	No	String		20
cprno	The meter's fixed asset continuing property record (CPR) number.	No	String		10
poi	The meter's point of interest.	No	String		20
cost	The meter's original cost.	No	Number		10 total digits including two decimal places.
nowires	The wire configuration. Only shows on electric meters.	No	Integer		9
volts	The meter voltage rating. Only shows on electric meters.	No	Integer		9
jaws	The number of jaws on the meter. Only shows on electric meters.	No	Integer		9
amps	The meter amperage. Only shows on electric meters.	No	Number		6 digits including 1 decimal place.
fullscaledemand	The full scale demand reading. Only shows on electric meters.	No	Number		7 digits including 3 decimal places.
phase	Indicates whether it is single phase, three phase, or network. Only shows on electric meters.	No	String		20
wiresize	The meter's wire size. Only shows on electric meters.	No	String		10
demandinterval	The meter's demand interval. Only shows on electric meters.	No	String		2
meterdialtype	The meter's dial type - clock, digital, solid state, etc. Only shows on electric meters.	No	String		20
sealno	The number that was allocated when the meter was sealed. Only shows on electric meters.	No	String		20

servicevoltage	The meter's service voltage. Only shows on electric meters.	No	String		20
watthourperkh	The watt hour per Kh. Only shows on electric meters.	No	String		20
registertype	The meter's register type. Only shows on electric meters.	No	String		20
registerratio	The meter's register ratio. Only shows on electric meters.	No	String		20
formbase	The form/base shown on the electric meter. Only shows on electric meters.	No	String		3
pulseinitiatorratio	The pulse initiator ratio used on meters with recorders. Only shows on electric meters.	No	String		9