

Addendum No. 2

Advanced Metering Infrastructure (AMI) System

Request for Proposal RFP: #2018-021
August 21, 2018

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. The bid date and time and construction schedule remain the same.

CLARIFICATIONS

QUESTIONS AND RESPONSES

Question No. 1:

How many total lids are you wanting to be replaced and with what standard size?

Response to Question No. 1:

Assume that 80,000 total lids will be replaced: 5% B30, 15% Mueller circular, 40% B16, 40% B36. TMWA will be responsible for traffic-rated lids and vaults.

Question No. 2:

How many of the Badger meters have plastic bodies?

Response to Question No. 2:

Most of TMWA's ¾" and 1" Badger meter have plastic bodies, approximately 80,000.

Question No. 3:

Stated in the bid specs it states that TMWA wants to be able to the system read under the fixed network and also by mobile? Is this still a priority for TMWA?

Response to Question No. 3:

If you have a mobile reading solution, please respond to the appropriate section.

Question No. 4:

When would TMWA decide how much of the install would they will be doing versus the vendor?

Response to Question No. 4:

TMWA's intent is to have the contractor do the bulk of the install. TMWA will assist with the problematic locations.

Question No. 5:

Is TMWA expecting to have the AMI phased in from Alpha to Beta to full deployment? Proof of concept?

Response to Question No. 5:

See sections 12.2 and 12.3 (page 52) of the main RFP document. At least 75% of the DCUs needed to provide complete coverage of TMWA's service territory shall be installed, tested and operational for 20 days prior to starting MIU deployment. An initial test consisting of approximately 400 meters will take place after DCU installation. This test must be successfully concluded before full deployment can begin.

Question No. 6:

What is TMWA outlook on the length of the project once contracts are executed to full completion?

Response to Question No. 6:

Proposers should assume a total project length of five years once contracts are executed.

Question No. 7:

Is vendor responsible for call center support/set-up or will that be provided by TMWA?

Response to Question No. 7:

All customer calls regarding the project will be handled through the TMWA call center. The vendor is not responsible for call center support/set-up.

Question No. 8:

If completion of a route takes more than 30 days to complete can payment be requested on monthly basis for any and all installation completed?

Response to Question No. 8:

Yes, payment can be requested for partially complete routes. Invoices can be submitted weekly, but will be paid monthly.

Question No. 9:

Will PR be a joint vendor/TMWA for the project outreach?

Response to Question No. 9:

TMWA will handle all PR. The vendor is required to leave a door hanger 48-72 hours in advance of any installation work. The installer should also leave a door hanger once the installation is complete.

Question No. 10:

Bid bond required?

Response to Question No. 10:

No, a Bid Bond is not required.

Question No. 11:

Attachment C item 11.3.4 Confirm this project will be considered a Contractor Construction Contract and will not require Professional Liability / Errors and Omissions Insurance.

Response to Question No. 11:

Correct. Not required.

Question No. 12:

Page 16 of 112 3.5 Perf and Pay bonds refers to Attachment F as the form prescribe but attachment F is the meter locations.

Response to Question No. 12:

This reference should be to Attachment B.

Question No. 13:

Page 60 of 112 16.7 Installation Acceptance and Payment Clarification required on Invoicing structure. Payment for installation services shall be based upon completed route Question – If completion of a route takes more than 30 days to complete can payment be requested on monthly basis for any and all installation completed?
SEE ALSO 16.7.2 Payments- States electronic weekly draft invoice -Does this contradict 16.7?
SEE ALSO GENERAL CONDITIONS Page 35 of 49 7.02 progress payments- once per month.

Response to Question No. 13:

See response to question 8.

Question No. 14:

Page 19 of 49 General Conditions 5.02 Contractor insurance G.4 Pollution liability and page 22 of 49 5.03 Property insurance are these required?

Response to Question No. 14:

Not required.

Question No. 15:

GENERAL CONDITIONS Page 41 of 49 7.06 Retainage 5% but may decrease after 50% completion of project. Did not see reference in RFP to retainage.

Response to Question No. 15:

The retainage clause does not apply to this project, but payment milestones will be part of the contract negotiations.

Question No. 16:

Deductibles and self-insured retentions- Any deductible or self-insured retention shall not exceed \$5000/occurrence and total of \$500,000 in total? Is that allowed? (11.2.3 section).

Response to Question No. 16:

This is TMWA's standard insurance language. The exact limits and amounts would be agreed during contract negotiations.

Question No. 17:

TMWA reserves the right to request and review a copy of any required insurance policy or endorsement to assure compliance with these requirements. Would TMWA accept not releasing copies of their insurance policies.

Response to Question No. 17:

TMWA will be requiring Certificates of Insurance as stated in the requirements. However, TMWA does not request copies of actual insurance policies.

Question No. 18:

Attachment G, Section 2

RFP states: TMWA intends the Proposer remove the existing MIU and install a new MIU. If the existing MIU is relatively new, Proposer may propose leaving it in place.

Question: What is the criteria with which this determination is to be made?

Response to Question No. 18:

Assume that all will be replaced.

Question No. 19:

Attachment G, Section 2

RFP states: TMWA expects the Proposer to reconnect the cable coming from the meter to the new MIU using a waterproof, dust-proof and corrosion resistant connection (Nicor Hydroconn™ AMR Series III or equivalent).

Question: What connector do existing encoder registers have (Badger and/or Sensus) where MIUs only are to be replaced? If not all Nicor, what other connection types should we expect?

Response to Question No. 19:

Badger-Nicor, Sensus-Touch Read w/plug, all others should be replaced. No modifications or splicing.

Question No. 20:

What is the proposed project start date and expected duration? Does TMWA have a firm end date in mind?

Response to Question No. 20:

The project can start as soon as is practical once contracts are executed, most likely spring 2019. Expected project duration is five years.

Question No. 21:

Do the existing ¾” to 2” meters have expansion connectors, pressure reducing valves, backflow preventers or grounding straps? Who will be responsible for sourcing defective components?

Response to Question No. 21:

The existing ¾” to 2” meters do not have expansion connectors, pressure reducing valves, backflow preventers or grounding straps? The second part of this question does not apply.

Question No. 22:

Are all meters expected to be changed out like for like?

Response to Question No. 22:

Size to size, and type to type (e.g. turbo to turbo, compound to compound etc.).

Question No. 23:

What is the lay length of the ¾”, 2”, 2” turb, 3” compd and 3” turb meters?

Response to Question No. 23:

Meter Size	Lay Length
¾”	9”
2” Badger	17”
2” Turbo Badger	10”
3” Compound Badger	17”
3” Turbo Badger	12”
2” Sensus Omni	15 ¼”
2” Turbo Sensus Omni	10”
3” Compound Sensus Omni	17”
3” Turbo Sensus Omni	19”

Question No. 24:

Are 1.5” and 2” meters HEX or flanged?

Response to Question No. 24:

2 bolt flanged.

Question No. 25:

What is Truckee Meadows’ current CIS billing system?

Response to Question No. 25:

Vertex eCIS+. Please note that an RFP for the selection of a new CIS system will be released shortly.

Question No. 26:

When preparing the proposal contents, does The Authority consider a front and back printed page one or two pages?

Response to Question No. 26:

Each printed page counts. Front and back printed pages add two to the total.

Question No. 27:

Is the 100-page limit on the technical requirements form firm? Can that number be increased or can the requested screenshots or reports be included in an appendix?

Response to Question No. 27:

This limit can be increased to 150 pages for the technical requirements, including all attachments and supporting documents.

Question No. 28:

Attachment G, page 104 of the RFP states that virtually all of the existing meter vault lids have been configured for AMR or AMI MIU’s. Does this mean that these vault lids have existing holes drilled in them for external antennas? Is this the case only for the ~3,000 vault lids or do the ~127,000 meter box lids also have holes drilled in them for external antennas?

Response to Question No. 28:

Not all vault lids have existing holes. Not all meter box lids have existing holes. See response to question 1.

Question No. 29:

Attachment G, Table A6 on page 104 of the RFP does not contain the lid sizes nor quantities that need to be replaced as part of this project (to accommodate an external antenna). Can you please complete the Lid Size and Quantity columns for this table?

Response to Question No. 29:

See response to question 1.

Question No. 30:

Attachment G, Table A1 on page 101 of the RFP contains the detail on the existing Badger Meters that you want retrofit with an encoded register and MIU endpoint. Please provide us with the quantity of these meters by size that have plastic bodies that might not be able to be retrofit with an electronic encoded register.

Response to Question No. 30:

All can be retrofitted. However, the proposer can replace entirely at their own discretion.

Question No. 31:

Attachment G, Table A1 (pg 101). If we have an integrated register/MIU solution (single item where the register and MIU are combined as 1 single item) do you prefer us to include that cost in the 'Register' column or in the 'MIU' column?

Response to Question No. 31:

Include in the "Register" column and clearly designate this characteristic in a comment or footnote.

Question No. 32:

Attachment G, Table A3 (pg 103). If we have an integrated register/MIU solution (single item where the register and MIU are combined as 1 single item) that we are including attached to the meter, do you want us to include this single item price in the 'Unit Meter Cost' column and thus leave the 'Unit Cost New MIU' column blank?

Response to Question No. 32:

Yes.

Question No. 33:

Attachment G. Tables B & C have a column for ‘Inflator for Annual Costs’. Given the fact that the implementation of this project will be over 5-years, can you add a column for ‘Inflator for Annual Costs’ to Table A1, A2, A3, and A6? Conversely, can we propose a CPI price index adjustment that would apply to these tables each year?

Response to Question No. 33:

You may add a column for “Inflator for Annual Costs” to Tables A1, A2, A3, and A6 incorporating your expectation of inflation. A CPI price adjustment provision would be negotiated with the successful proposer.

Question No. 34:

Attachment G, Table D. Are we to include only our labor cost for each item and assume that the Authority will be providing the product/materials?

Response to Question No. 34:

Yes.

Question No. 35:

The bid specs state that TMWA wants to be able to read the system with both a fixed network and mobile solution. Is the Authority looking for a hybrid solution that reduces overall project cost by reading the MIU endpoints on the boundaries of the distribution area (~5% of all meters) with mobile and reads the bulk of the distribution system (~95% of all meters) via fixed-network OR does the Authority want to be able to read the entire system (100% for all meters) with fixed-network and simply have the ability to also collect these reads via a mobile system as a back-up solution?

Response to Question No. 35:

TMWA wants to be able to read the entire system (100% for all meters) with fixed-network.

Question No. 36:

Is TMWA seriously considering utilizing its own employees to install meters? What percentage of the meters would TMWA install? When would this decision be made?

Response to Question No. 36:

TMWA is not seriously considering utilizing its own employees to install meters. TMWA would only replace the problematic meters. No further decision needs to be made.

Question No. 37:

What demands are on the contractor in regard to providing a call center for TMWA's customers or will that be provided by TMWA?

Response to Question No. 37:

See response to question 7.

Question No. 38:

If the completion of a route takes more than 30 days to complete can payment be requested on a monthly basis for any and all actual installations completed? If not, can routes that are substantially completed (95%+) be invoiced so as not to hold-up payment for a handful of meters in a route that are held-up for one reason or another?

Response to Question No. 38:

See response to question 8.

Question No. 39:

Please confirm that there is no Bid Bond required.

Response to Question No. 39:

Correct. No Bid Bond required.

Question No. 40:

Attachment C item 11.3.4: Please confirm this project will be considered a Contractor Construction Contract and that it will not require Professional Liability / Errors and Omissions Insurance (which none of your proposers maintain, since we are not engineering companies).

Response to Question No. 40:

Correct. This insurance is not required.

Question No. 41:

Section 3.5 on Page 16 of the RFP states that the bond forms can be found in Attachment F, but Attachment F actually contains the meter locations. Please provide the bond forms to us in a new attachment.

Response to Question No. 41:

This reference should be to Attachment B.

Question No. 42:

Attachment B, Page 21, Clause 5.02 Section G.4: Please confirm that Pollution Liability Insurance is not required for this project.

Response to Question No. 42:

Correct. Not required.

Question No. 43:

Attachment B, Page 22, Clause 5.03 Section A: Please confirm that Property Insurance is not required for this project.

Response to Question No. 43:

Correct. Not required.

Question No. 44:

Attachment B, Page 41, Clause 7.06 Section A: Please confirm that there is actually no retainage being withheld on this project.

Response to Question No. 44:

No retainage, but payment milestones will be part of the contract negotiations.

Question No. 45:

Nevada is a Contractor Use Tax Liability State that does NOT allow for any contractor pass-thru exemptions. Therefore, the Contractor is responsible for either paying sales tax to their vendors and/or paying use tax to NV because the project requires converting the supplied product into Real Property as part of this project. Please confirm the Contractor must account for this in our bid pricing and that the Sales & Use Tax rate is 8.625%.

Response to Question No. 45:

Yes, that is correct, BUT the NV tax rate is 8.265% not 8.625%.

Question No. 46:

Does the Prime Contractor submitting this proposal to TMWA need to have a Nevada Contractor's License, or is it sufficient if the subcontractor(s) actually performing the installation work in the field have the appropriate Nevada Contractor's License(s)?

Response to Question No. 46:

Yes, that is sufficient.

Question No. 47:

Does the Authority desire to have a consistent installation schedule throughout the year for each of the 5-years of implementation, or will the project slow down/stop in the winter months?

Response to Question No. 47:

A consistent installation schedule is desired.

Question No. 48:

Does the utility read every meter each month or bimonthly?

Response to Question No. 48:

Meters are currently read (and billed) each month.

Question No. 49:

The RFP says the Utility has room for material and equipment storage at its facilities. Can we stage/store our vehicles, meters, meter box lids, and recycle bins at these facilities?

Response to Question No. 49:

Yes.

Question No. 50:

Does the Utility have a location for us to deposit the spoils/dirt from the meter pits?

Response to Question No. 50:

Yes.

Question No. 51:

Is this project a Prevailing Wage Project? What labor rates can we use to accurately bid the project?

Response to Question No. 51:

No, this project falls under NRS 332, therefore Prevailing Wages do not apply.

Question No. 52:

Section 6.19 on pages 65 & 66 state the requirements about customer notification. Is TMWA looking for the Contractor to provide 2 notices to each customer scheduled for a full meter changeout (a general notice 4-5 weeks before the scheduled changeout, and a more specific notice with an installation date that is sent 2-weeks before changeout)? Are these notices only required for full meter replacements when the water service needs to be shutoff, or are they also required for simple retrofit installs that do not require the water service to be shutoff?

Response to Question No. 52:

TMWA will provide the initial mailed notice. If the meter is being replaced, the contractor will deliver a 48-72 hour notice door hanger. All successful installations (full meter or retrofit) will receive a second door hanger (see question 53).

Question No. 53:

Are doorhangers required after the successful completion of an installation? If so, are they required for just full meter replacements or also for retrofits?

Response to Question No. 53:

Door hangers are required after all installations (full meter replacements and retrofits). See also response to question 52.

Question No. 54:

The page limit is 100 pages – does that also include attachment's (literature etc..)

Response to Question No. 54:

The page limit has been revised to 150 pages for the technical requirements. This includes all attachments and supporting documentation.

Question No. 55:

Does a bond need to be submitted with the proposal or after award?

Response to Question No. 55:

A bond does not need to be submitted with the proposal, but Performance/Labor Bonds are required at the time of Notice to Proceed.

Question No. 56:

Do you need on demand reads quickly for customers when they call in to discuss their bill and you need their current reads right away?

Response to Question No. 56:

An on-demand read will be at the discretion of the Customer Service Representative. This is a technical requirement. Please see Section 2.6 (page 24) of the main RFP document.

Question No. 57:

Do you want the ability to turn your water meters on and off over the air via remote shutoff from the office and not have to send trucks out?

Response to Question No. 57:

This is not a requirement.

Question No. 58:

Do you want the ability to be able to monitor pressure and temperature?

- a. --Is this something that you want to be able to do at some point leveraging the AMI network?

Response to Question No. 58:

This is not a requirement at present, but could be useful in the future.

Question No. 59:

Do you want the ability to be able to monitor main line leak detection through your network?

Response to Question No. 59:

This is not a requirement.

Question No. 60:

Would the City consider getting their Badger registers directly from Badger? It will affect the cost of the bid for us competitors to have to get the pricing for you and will increase your cost.

Response to Question No. 60:

Yes, TMWA would be willing to consider purchasing directly from the manufacturer if it proved cost-effective.

Question No. 61:

How old is the meter population in the ground?

Response to Question No. 61:

The mean age of the Badger meters is 13 years. TMWA does not have data on the ages of the Sensus meters, but it can be assumed that any Sensus meter that is connected to an AMR endpoint, or a one-way Flexnet MXU is over ten years old.

Question No. 62:

TMWA currently using composite meters today – is this the path they will continue with?

Response to Question No. 62:

This is a cost-driven decision that will be determined by the RFP proposals.

Question No. 63:

Would you prefer meter change outs to be done so the meter and endpoint are up to 20 years for warranty and consistency?

Response to Question No. 63:

This is a cost-driven decision that will be determined by the RFP proposals, within the context of the five-year install plan.

Question No. 64:

What types of custom reports would you like to be able to create and query?

Response to Question No. 64:

The exact contents of the custom reports will be defined at a later date. For now, we just need to know that option exists, and that we are not limited to a set of default reports.

Question No. 65:

Why is VEE important to you?

Response to Question No. 65:

It should be possible for the MDM software to identify and deal with read exceptions, through the definition of basic business rules. The goal for TMWA is to supply a totally clean and valid set of reads for a given cycle to the billing system.

Question No. 66:

Would software be interesting to you that will show you your revenue lost and help you pin point meters you should change out first?

Response to Question No. 66:

Yes. However, this is not a requirement.

Question No. 67:

If meters are changed out and not just the registers is there a prevailing wage for changing the meters out?

Response to Question No. 67:

No, this project falls under NRS 332, therefore Prevailing Wages do not apply.

Question No. 68:

How many of 50Werts, 100W, 500Werts are in the field by a breakdown?

Response to Question No. 68:

Please see Section 1.1 on pages 4 and 5 of the main RFP document for a breakdown.

Question No. 69:

How are the Itron erts hooked to the water meters today? Are they hooked up with an Itron connector?

Response to Question No. 69:

Yes, Itron connectors.

Question No. 70:

What type of water meter lids are in the ground? Concrete, etc...

Response to Question No. 70:

Concrete, with the exception of the Mueller pits which are metal (15" diameter for a single pit, and 18" diameter for a dual pit).

Question No. 71:

What size are the water meter lids in the ground? B9, B12 etc....Is there a quantity of each for quoting?

Response to Question No. 71:

Assume that 80,000 total lids will be replaced: 5% B30, 15% Mueller circular, 40% B16, 40% B36. TMWA will be responsible for traffic-rated lids and vaults.

Question No. 72:

If there are concrete lids out there do you want to replace or would you consider drilling holes?

Response to Question No. 72:

Replace all damaged lids. Holes can be drilled if the lid is not damaged, and if the installer is consistently able to drill a hole without weakening or compromising the lid in any other way.

Question No. 73:

Do any of the water meter lids have the flip lids on them?

Response to Question No. 73:

Very few, less than 1%.

Question No. 74:

Are you interested in being able to migrate your current Itron data with the system you choose in order to have a simple billing process till you're fully deployed over time?

Response to Question No. 74:

This is not a priority for TMWA.

Question No. 75:

On Page 48, the RFP states: "Indicate if the customer portal can be accessed by a customer from TMWA's website or e-billing page with token passing." Question: What vendor supplies TMWA's e-billing page? Is this vendor able to use SAML or OAuth protocols for passing tokens?

Response to Question No. 75:

This is not possible with TMWA's existing website. However, a CIS RFP will shortly be released by TMWA, and some form of SSO/token passing will be a requirement of the new system.

Question No. 76:

On Page 49, the RFP states: "The software shall not display private information about the meter or account." Question: In this context what is meant by private information?

Response to Question No. 76:

Besides the obvious (e.g., Social Security number), this may include account details not related to consumption.

Question No. 77:

On Page 50, the RFP states: "Describe ability to provide flags to account records in CIS of conditions or messages created." Question: does the CIS have a preferred method and or specification for passing data on messages sent to customers from the Customer Portal software back to the CIS?

Response to Question No. 77:

It is possible to record contact information/notes against a customer's account in the CIS via an API call.

Question No. 78:

On Page 50, the RFP states: "The Proposer shall be responsible for developing up to five custom reports at TMWA's direction that the customer will be able to view and download." Question: Can TMWA provide some example circumstances when a custom report would be requested? Can TMWA provide some examples potential questions or goals that would drive the request for a custom report?

Response to Question No. 78:

See response to question 64.

Question No. 79:

On Page 50, the RFP states: " Describe the Customer Portal's ability to integrate with on-line bill presentment and payment." Question: what vendor(s) currently provide TMWA with PDF bill creation, e-billing, and online payments?

Response to Question No. 79:

TMWA's current print and PDF bill vendor is Kubra, through a partnership with Vertex. As discussed in the response to question 75, a CIS RFP will be released shortly. The new platform will be more open and will allow easier integration and connectivity. Provide examples of how you currently integrate with on-line bill presentment and payment platforms.

Question No. 80:

What is the Utilities installation timeframe? How many years/phases, etc.?

Response to Question No. 80:

The timeframe for the project is five years. See also response to question 5 for key phases.

Question No. 81:

Are we installing year round or are we shutting down for the winter months? If so what months?

Response to Question No. 81:

Year round, weather permitting.

Question No. 82:

Does the utility read monthly or bimonthly?

Response to Question No. 82:

Meters are currently read (and billed) each month.

Question No. 83:

The RFP says the Utility has room for material and equipment storage at their facilities. Can we stage/store our vehicles, meter/MIU/recycle bins at their yard?

Response to Question No. 83:

Yes.

Question No. 84:

Does the Utility have a location for pit material disposal?

Response to Question No. 84:

Yes.

Question No. 85:

Is the project Prevailing Wage. What labor rates can we use to accurately bid the project?

Response to Question No. 85:

No, this project falls under NRS 332, therefore Prevailing Wages do not apply.

Question No. 86:

Does the Utility have a record of existing meter lid sizes?

Response to Question No. 86:

TMWA does not have a complete record of existing meter lid sizes. For the purposes of the proposal, vendors should assume that 80,000 total lids will be replaced: 5% B30, 15% Mueller circular, 40% B16, 40% B36. TMWA will be responsible for traffic-rated lids and vaults.

Question No. 87:

The RFP clearly states about two notification mailers. Is the Utility requiring Door Hangers placed at the accounts a few days prior to installation? I assume that a completion door hanger is to be placed.

Response to Question No. 87:

See responses to questions 52 and 53.

Question No. 88:

Are there any prevailing wage requirements for the installation phase?

Response to Question No. 88:

No, this project falls under NRS 332, therefore Prevailing Wages do not apply.

Question No. 89:

Will the City/Utility provide a data file for mapping the proposed services to be performed?

Including:

- a. All service addresses
- b. Route Numbers
- c. Read Sequence Number

- d. Existing meter number
- e. Existing radio ID
- f. Existing GPS Coords (if applicable)
- g. Existing location notes or comments describing difficult to locate meters

Response to Question No. 89:

TMWA does not use Read Sequence Numbers, but all the other data (all service addresses, route numbers, existing meter number, existing radio ID, existing GPS coordinates, existing location notes or comments) will be available to the successful proposer.

Question No. 90:

Will TMWA provide a route map, showing all routes in system with quantity of services per route?

Response to Question No. 90:

Yes, this will be made available to the successful proposer. For now, be aware that there are 20 Badger/Itron cycles, with four routes per cycle. There are nine Sensus cycles, with one to three routes per cycle.

Question No. 91:

What are the percentages of the meter population for:

- a. Urban Residential: __%
- b. Suburban Tract: __%
- c. Rural Residential: __%
- d. Commercial: __%
- e. Industrial: __%

Response to Question No. 91:

TMWA does not distinguish between different residential types, or between commercial and industrial. The rough breakdown is: 90.7% residential, 8.7% commercial/industrial, 0.6% other (TWMA, Government).

Question No. 92:

Will TMWA assist with the difficult to locate meters? Marking services with blue paint and/or physical on-site assistance?

Response to Question No. 92:

Yes, as needed.

Question No. 93:

Are there meters in backyards or behind closed gates? Please provide a percentage of the proposed services.

Response to Question No. 93:

Yes. Approximately 100 (this is a count, not a percentage).

Question No. 94:

Are there any meters in alleys? Please provide a percentage of the proposed services.

Response to Question No. 94:

Yes. Less than 1%.

Question No. 95:

Are there meters in areas considered Hazardous Areas? If yes, what are the locations and quantities of services that are considered hazardous? Please describe potentially hazardous conditions.

Response to Question No. 95:

Not that we are aware of.

Question No. 96:

Are there meters in confined spaces? If yes, what are the locations and quantities of services that are considered confined spaces?

Response to Question No. 96:

Yes, 3" and larger meters are in vaults, depth and sizes vary. There are approximately 630 such meters. TMWA will handle any service that is considered to be in a confined space.

Question No. 97:

Will any portion of the project require traffic control? Please describe potential traffic control conditions.

Response to Question No. 97:

Yes, limited traffic control required. TMWA will take care of problematic locations.

Question No. 98:

Who is to provide public outreach materials (printed or other)?

Response to Question No. 98:

Please see response to question 9.

Question No. 99:

Will TMWA provide a project staging area for storage of all materials; as well as, all project waste: salvage, spoils, hazardous waste (batteries & radios) and recycle?

Response to Question No. 99:

Yes, TMWA has a yard for staging and storage. The proposer is responsible for salvage or disposal of these materials. See sections 16.28, 16.29 and 16.34 in the main RFP document.

Question No. 100:

Will TMWA be responsible for all project waste including: meter salvage, dirt spoils, hazardous waste (batteries & radios) and recycle?

Response to Question No. 100:

No. See response to question 99.

Question No. 101:

Because the service territory is so large, will TMWA consider providing multiple staging areas?

- a. What are the addresses of available staging areas?

Response to Question No. 101:

TMWA will not be providing multiple staging areas. The successful proposer may create multiple staging areas if it so desires.

Question No. 102:

Will there be room for fleet trucks at the provided staging area?

Response to Question No. 102:

Yes, within reason.

Question No. 103:

Is capturing GPS coordinates of work orders part of the SOW? If yes, what is the required GPS resolution (standard 3 to 5 meters, sub meter or sub foot)?

Response to Question No. 103:

This is not a requirement. TMWA has accurate GPS coordinates for the vast majority of meters. It would be useful to be informed of any discrepancies, so that we can correct our GIS.

Question No. 104:

Will TMWA provide a Public Works installation standard (drawing) for water meter installations, including piping and pit installation (Include all meter sizes).

Response to Question No. 104:

Yes, drawings are available on the TMWA website: <https://tmwa.com/new-construction/standards/>.

Question No. 105:

How deep are TMWA's average meter vault for large meters?

Response to Question No. 105:

Between 3' – 6'.

Question No. 106:

What is the average depth of a residential meter set?

Response to Question No. 106:

Between 12” – 24”.

Question No. 107:

What percentage of residential meters are set with:

- a. Setters or Yokes?
- b. Angle Stops?
- c. Straight Curb Stop?

Response to Question No. 107:

- a. 99.9%
- b. 99.9%
- c. 0.1%

Question No. 108:

Typically, what type of pipe is on customer side (PVC, galvanized, poly, copper)? What are the percentages of each type of pipe?

Response to Question No. 108:

Random and unknown.

Question No. 109:

Typically, what type of pipe is on TMWA/service side (PVC, galvanized, poly, copper)? What are the percentages of each type of pipe?

Response to Question No. 109:

Poly (80%), copper (19%) and galvanized/unknown (1%).

Question No. 110:

If a customer side line breaks during installation due to deteriorating line or infrastructure (old galvanized pipe), who is responsible for line repair?

Response to Question No. 110:

TMWA doesn't anticipate this being an issue if due care is taken during meter replacement. If it does, contractor should be prepared to make repairs. If the contractor suspects antiquated or inferior plumbing, they should discuss with the TMWA Project Manager. See section 16.35 in the main RFP document.

Question No. 111:

If a Utility/TMWA side line breaks during installation due to a deteriorating line or infrastructure, who is responsible for service line repairs?

Response to Question No. 111:

TMWA doesn't anticipate this being an issue if due care is taken during meter replacement. If it does, contractor should be prepared to make repairs. If the contractor suspects antiquated or inferior plumbing, they should discuss with the TMWA Project Manager. See section 16.35 in the main RFP document.

Question No. 112:

Will TMWA provide all materials including: bolt kits, washers, gaskets, tamper tags, connectors, splice kits, fittings, adaptors, meter boxes and lids?

Response to Question No. 112:

No.

Question No. 113:

Will meter boxes need to be replaced? If yes, what determines if a box gets replaced? Will it be predetermined in the work order data?

Response to Question No. 113:

In general, meter boxes do not need to be replaced. Poor condition of the box will determine if it gets replaced. This will not be predetermined in the work order data. If a box has to be replaced, TMWA will do the installation.

Question No. 114:

What determines if a lid gets replaced or drilled? Will it be predetermined in the work order data?

Response to Question No. 114:

The lid condition and the ability of the proposer. This will not be predetermined in the work order data.

Question No. 115:

How many lid sizes does the system currently have?

Response to Question No. 115:

Please see response to question 1. TMWA will handle all exceptions that fall outside the four main lid types listed.

Question No. 116:

Can TMWA list the different box and lid sizes?

Response to Question No. 116:

Please see response to question 1. TMWA will handle all exceptions that fall outside the four main lid types listed.

Question No. 117:

Does TMWA know lid size and type per address?

Response to Question No. 117:

TMWA does not have this information recorded. The best we can provide is an educated guess.

Question No. 118:

What are normal hours of operation, that installations will be able to be performed?

Response to Question No. 118:

8:00 AM - 5:00 PM Monday - Friday.

Question No. 119:

Will the installation team be able to work Monday through Friday, with an occasional Saturday?

Response to Question No. 119:

The project is intended to run on a Monday - Friday schedule. Saturdays could be worked if a situation requires it.

QUESTION CUT-OFF DATE: August 13, 2018
END OF ADDENDUM NO. 2