

Calaveras County Water District  
Advanced Metering  
Infrastructure Project

**ADDENDUM No. 2**

Date Issued: June 18, 2020

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*\*\*\*\* The Bid must contain an acknowledgement of receipt of all Addenda, the numbers of which must be filled in on the Bid Form. BID FORM, Section 00410, Page 00410-6. \*\*\*\**

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**BID PACKAGE / PROJECT MANUAL**

**Section 0410 Bid Form, Page 0410-2. Remove, “Bid Item 10 New Meter Box Lids”. Add, “Bid Item 10A Install New Meter Box Lids”, Add “Bid Item 10B Furnish New Meter Box Lids (Allowance)”.**

**Section 0410 Bid Form, Page 0410-5 and 0410-6. Remove Bid Item Description for Bid Item 10. Add Bid Item Description for Bid Item 10A and 10B.**

**Section 0410 Bid Form, Page 0410-6. Article 4- Time of Completion. Paragraph 4.2, Add, “calendar” to clarify the completion dates are based on calendar days. Add to end of paragraph 4.2, “The Bidder agrees that 50% of all work will be furnished and installed within the first 365 calendar days.”**

**Section 0410 Bid Form, Page 0410-3. Article 3, Paragraph 3.02. Delete “This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.” And replace with “This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.”**

**Section 00410 Bid Form, Page 0410-6. Article 5, Paragraph 5.1.A. Delete, “60 Days” and Replace with, “90 Days”.**

**Section 00410 Article 2-Attachments to this Bid, Section 2.1, Item J: Iran Contracting Act Certification. Form to be completed has been attached to this Addendum.**

**Section 33010 Positive Displacement Type Radio Read Meter, Page 33010-2, Section 5.0, Paragraph 5.1.1 Change “ProCoder” to “E-Coder”.**

**BIDDERS QUESTIONS AND ANSWERS**

Bidders Question: We would really like to know if we can use the tank locations that weren't provided in the original list. They are in great locations and will make a huge difference on the prop study.

*District Response: The District has identified 3 Assets that not included in Appendix C:*

*Copper Tower Tank (37-58-53.44N, 120-38-14.65W), No Existing Antenna  
Ross/8602 Tank (38-10-40.48N, 120-51-31.90W), Existing Antenna is not CCWD Asset.  
Copperopolis Treatment Plant (37-54-31.02N, 120-36-57,14W), 35-FT Antenna*

Does CCWD has an acceptable amount of AMI coverage EXPECTED for the system? (ie. 70%, 75% 80%)?

*District Response: The AMI Fixed Network will be installed in Copper Cove, Jenny Lind, and West Point Service Areas. The complete system shall have 100% RF coverage of installed meter modules in the Service Areas. The District understands that there maybe some hard to read meters due to terrain or other obstacles. At the Contractors option up to a maximum of 5% of the total meters within each service areas to receive fixed network AMI can transmit using Cellular Network Endpoints. The Cellular endpoints will be at no additional cost to the District and cost should be included in existing bid items.*

Bidders Question: When you get a minute if you could send over the GPS points for the assets listed in the Bid documents for AMI infrastructure locations?

*District Response: Yes, please send request to kevinw@ccwd.org.*

Bidders Question: Will the District be adding a line item for annual ongoing costs for an Optional-extended warranty coverage on collectors and network devices to cover network items beyond the manufactures initial warranty period?

*District Response: The meter manufacture shall warranty the water meter, battery and all the electronics free of defects for 20 years from date of installation. The warranty shall provide for full replacement cost at list price for the first 10 years and then pro-rated replacement cost for the remaining 10 years.*

*The AMI Network Manufacture shall at a minimum provide a 100% warranty on all equipment, software and labor which will be in effect during the first 12 months following Substantial completion. In addition, the product manufacture will offer to ensure system functionality and availability of components for minimum of 15 years after final completion.*

Bidders Question: Will the District be adding a line items for annual ongoing costs for software hosting?

*District Response: No, the annual subscription cost for software hosting will not be included in this project. The product vendor shall provide the best available pricing to CCWD for software hosting. The ongoing software hosting cost shall not be higher than lowest pricing provided to other utilities for same service.*

Bidders Question: Will the district be able to tell us which district owned sites have an ethernet available for backhaul interface, or should proposers assume that cellular backhaul on all collectors? With the savings being passed to the district when installed if available.

*District Response: Yes, the following District Facilities have ethernet available for backhaul interface: Copperopolis WTP, Forest Meadows WWTP, Hunters WTP, Jenny Line Tank A1, Jenny Lind TP, Sheep Ranch WTP, Vallecito WWTP, West Point Treatment TP, West Point WTP.*

Bidders Question: Also, can you provide us the electronic file listed in the RFP for the addresses that should be included for the final Propagation study.

*District Response: Yes, please send request to kevinw@ccwd.org.*

Bidders Question: Are Raven HDPE Traffic Rated Meter Boxes and Lids acceptable?

*District Response: Yes, Raven can be added to the approved manufactures list. The cost must be within the District allowance for Bid Item No. 10B, this approval does not permit the Contractor or obligate the District to use a specific product that is not within the District's Budget.*

Bidders Question: Are Oldcastle Precast Concrete and Polymer Composite Lids acceptable?

*District Response: Yes, Oldcastle Precast can be added to the approved manufactures list. The cost must be within the District allowance for Bid Item No. 10B, this approval does not permit the Contractor or obligate the District to use a specific product that is not within the District's Budget. All iron and steel materials including reinforcing steel must comply with USDA AIS requirements.*

Bidders Question: Will this be a straight low bid selection for the AMI-AMR project?

*District Response: Yes, the bid will be awarded based on low bid. Bids that include qualifications that do not meet the project requirement will not be accepted.*

Bidders Question: We would like to submit and/or introduce our PD Meter and Ultrasonic meter and our Stealth Reader AMR and AMI as a (equal to) can I call you or can you call me to discuss?

*District Response: Stealth Reader AMR and AMI does not meet project requirements. Network must be Star Network; Mesh Networks will not be allowed. Piston type PD meters are not allowed.*

Bidders Question: We sent updated sites we saw that we would like to use for the prop study via email to Kevin – are we able to use those locations?

*District Response: District Response: The District has identified 3 Assets that not included in Appendix C:*

*Copper Tower Tank (37-58-53.44N, 120-38-14.65W), No Existing Antenna  
Ross Tank (38-10-40.48N, 120-51-31.90W), Existing Antenna belong to Sheriffs Dept.  
Copperopolis Treatment Plant (37-54-31.02N, 120-36-57,14W), 35-FT Antenna*

Bidders Questions: Page 10 says “Bidder is to submit the following information with its Bid to demonstrate Bidder’s qualifications to perform the Work: To demonstrate Bidder’s qualifications to perform the Work, within five days of Owner’s request, Bidder shall submit written evidence such as financial data, previous experience, present commitments, and such other data as may be called for below.” – Would you like it with the bid or upon request?

*District Response: Written evidence such as financial data, previous experience, present commitments and other data does not have to be submitted with the bid. The lowest bidder must submit this information within 5-days of the bid opening. At request of the Engineer the second and third places bidders will be required to submit this information also.*

Bidders Questions: It says “All blanks on the Bid Form must be completed in ink and the Bid Form signed in ink” but Ink signatures will be challenging while social distancing. Are electronic signatures accepted on the Bid Form?

*District Response: The District will be accepting bids delivered in person to CCWD Main Office in San Andreas, CA. There will be a bid drop box available to allow social distancing while submitting the bids. Bid form must be signed in ink.*

Bidders Question: If due at time of bid submittal, is it possible to waive the notary requirement for the Non-Collusion form (page 35)? It may not be possible to do a proper notary while in quarantine. Other customers have waived this requirement.

*District Response: Notary services are available in and around Calaveras County. This requirement will not be waived at this time.*

Bidders Question: Page 196 lists Approved Materials – Neptune and Mueller meters and data collectors are approved materials. Req. 5.1.3 allows for “approved equal.” Request for approval as equal must be submitted to the Engineer at least 10 Days prior to bid for approval. Materials not approved by the Engineer prior to bid will not be acceptable. Cellular network-based systems are not acceptable. I have submitted this information – can we be claimed as approved? Calaveras already has our meters in the ground today and our handhelds – so just want confirmation we are approved for the meter portion as well as our base station M400.

*District Response: Materials submitted as equal to materials listed in the specifications must be approved by the Engineer prior to bid. Cellular network-based systems are not acceptable.*

Bidders Question: Same with approved meter pit lids. Page 209. We provided Lid specs for approval from a vendor but happy to use the vendor of your choice – if you have someone you prefer, we can get a quote from them a well. Please advise

*District Response: Materials substitutions for lids can be submitted to CCWD for review prior to bid. Bid Item 10B has been added for cost to furnish and purchase the new lids.*

Bidders Question: It is asked that the software interfaces with your current billing software. Could you please provide the name of the software you have today?

*District Response: The District currently uses Springbrook Utility Billing. The District anticipates that we will be transitioning to Tyler Technologies Utility Billing software soon. The Contractor shall provide system capable of interfacing with Tyler Technologies Utility Billing software.*

Bidders Question: Article 3, Item 3.1: It says this information needs to be submitted with the bid but then they also say the information needs to be submitted “within five days of owner’s request.” Please confirm.

*District Response: Written evidence such as financial data, previous experience, present commitments and other data does not have to be submitted with the bid. The lowest bidder must submit this information within 5-days of the bid opening. At request of the Engineer the second and third places bidders will be required to submit this information also.*

Bidders Question: “The Contractor is required to visit the project and survey the site prior to submitting a bid.” Is this still expected considering situation in CA today? We are able to determine a lot on our prop study and how we put that together.

*District Response: The Contractor is required to visit the project including various different service areas.*

Bidders Question: Article 2, Item 2.1: They reference several attachments (A-L) but they don’t provide C, D, F, G, H, I, and J. Please provide

*District Response: Attachment J: “Iran Contracting Act Certification” has been added to this Addendum. Attachment H (Evidence of authority to do business in California) and Attachment I (Evidence of Contractors License Number) should be Contractor supplied document. Other required forms have already been included with Bid Document and can be found in Sections 00450, 00460, 00480, 00420 and 00470.*

Bidders Question: We don’t see the technical information section in a way that is the standard question/answer format we see in RFPs. Is it ok for us to put in a format to answer? Otherwise we’re mostly “We comply” as an answer – would you like something more detailed

*District Response: This is a low bid project; the project is not based on Technical Proposal. Signal Propagation Study shall be submitted with the bid.*

Bidders Question: When will a decision be made on award?

*District Response: Typically, construction contracts take 30-90 Days after bid for Contract Award.*

Bidders Question: Will there be a short list presentation to come in to present our solution before a final decision is made?

*District Response: No, there will not be short list presentation.*

Bidders Question: Are we able to go any higher on some of your asset locations? I know it's very hilly there and lots of trees so we can go above trees to keep the infrastructure down. If heights are lower than a tree line are we able to install a wooden pole as an option?

*District Response: Wooden poles are not acceptable, pole height shall not exceed 50 FT.*

Bidders Question: Please provide coordinates for La Cross LS 17 (La Cross Ct).

*District Response: The GPS coordinates for this facility are not currently available.*

Bidders Question: Can the district provide the Prevailing Wage Special determination so we can use the correct rates for the proposal? .... We will look up the current prevailing wage rates online through the Department of Industrial Relations (DIR). It depends on the labor classification.

*District Response: The prevailing wage depends on the labor classification. DIR has listing of labor classifications on website:*

<https://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>

<https://www.dir.ca.gov/OPRL/2020-1/PWD/index.htm>

*The DIR is temporarily closed due to the stay-at-home executive order. The District has requested wage special determination, but we have not yet received a response. The rates used by Contractor in bid should be based on general prevailing wage determinations posted on DIR Website or on DIR special wage determination from similar ongoing projects within Northern California.*

Bidders Question: What are the normal working hours for Installation?

*District Response: This would be normal business hours (approximately 7-am to 5-pm) on the site.*

Will the District mark meter locations?

*District Response: No, unless there is a necessity to do so, e.g. difficult or uncertain locations.*

Bidders Question: Will you provide support to locate the boxes?

*District Response: Not typically for most locations where boxes are readily identifiable, if there are challenging area, the District may assist on a limited basis.*

Bidders Question: Typically, the contractor is only responsible for the pipe within the meter box with regards to a broken service line. What is the install contractor's responsibility with regards to a broken service line during installation?

*District Response: If the service line was already broken, then no, but the District would need to be notified of the leak to schedule the repair. If the contractor breaks either the District's or Customer's service line during installation of the meter due to lack of being careful or applying excessive force applied to existing valves and piping .... and this is highlighted by a series of multiple line failures and leaks after installation, then yes, we very likely will expect the contractor to fix those if we are seeing an unexpected high number of service line breaks either during or following installation and it is attributable to the contractor's methods.*

Bidders Question: Will the district provide space for new meter/lid storage?

*District Response: The District has some space in each service area, but it is the vendor's responsibility to secure all their materials. The District does not take any responsibility for theft, vandalism, weather damage, or other damage or losses. The District is not providing a secured or covered storage area.*

Bidders Question: Can we stage our vehicles out of the district yard?

*District Response: The District has multiple yards and we believe areas can be accommodated. The District does not take any responsibility for theft, vandalism, weather damage, or other damage or losses. The District is not providing a secured or covered storage area*

Bidders Question: Will the District provide a crew to for shutdown's in event of a leak on the District side?

*District Response: The District will not have a crew on site, on standby just in case a leak occurs. However, it depends on the size of the leak. If staff is available, then potentially they can respond within hours of a notification, otherwise it may be a few days to schedule a repair for minor leaks.*

Bidders Question: Does the District have a location to dispose of excess spoils from the meter pits?

*District Response: The District has sites the material could be temporarily stored prior to hauling it away for disposal at the Rock Creek Landfill. It might be better to rent a disposal bins from the local waste management company and have them delivered to appropriate work locations.*

Bidders Question: Can the District provide a percentage of the meter pits requiring dirt removal for meter replacement?

*District Response: The majority, a very high percentage have dirt in them.*

Bidders Question: Is there an audit of the existing meter box lid sizes and quantities?

*District Response: No, we have not done full audit. The District will modify the Bid Schedule to include Item: Furnish Meter Box lids. This item will be an allowance item that will reimburse the Contractor the actual cost of meter box lids.*

Bidders Question: What GPS accuracy are you looking for?

*District Response: The District would expect submeter GPS level accuracy.*

Can the district provide the Prevailing Wage Special determination so we can use the correct rates for the proposal?

*District Response: The District has requested Prevailing Wage Special Determination from DIR. The District will be provided this when it is received from DIR.*

Bidders Questions: The current bid is structured for each responder to submit their final packet without any pre-selection, shortlist selection or presentation selection. Is there any opportunity that responders be asked to present to the district their solution to the district?

*District Response: No, prospective bidders can submit request for approval as equal to [kevinw@ccwd.org](mailto:kevinw@ccwd.org).*

Bidders Questions: (1.0 – GENERAL) The project consists of work in five major geographical service districts: Copper Cove, Jenny Lind, West Point and Ebbetts Pass along with two smaller service districts: Wallace and Sheep Ranch.

*District Response: There are a total of (6) six service districts, which includes the two smaller service districts.*

Bidders Question: On the pricing sheets to be completed there is nowhere to list any cost for the Wallace and Sheep Ranch, so should those be added into any one the major four areas?

*District Response: Wallace, Sheep Ranch and Ebbetts Pass will be read by Drive-By meter reading. These locations will not have fixed network of data collectors.*

Bidders Question: At asset owned sites are there any limitation/restrictions to installing a tower for an antenna to be mounted at a higher height for coverage expansion?

*District Response: The maximum antenna height would be 50-FT.*

Bidders Question: The technology deployed for capturing data shall be solid state and not contain any moving mechanical components. This contradicts the approved ProCoder T10 meter. This would need to be the ECoder. The ProCoder is Solid State, but does have a mechanical odometer.

*District Response: The meter should have no moving parts. The ECoder Model should be specified as the approved model.*



Bidders Question: (Section 33010, Sub-section 4.12) Encoder registers requiring mechanical gear trains, plastic lens, metal cans, field sealing of wiring connection or that are oil-filled will not be permitted. This contradicts the approved ProCoder T10 meter. This would need to be the ECoder. The ProCoder is Solid State, but does have a mechanical odometer.

*District Response: The meter should have no moving parts. The ECoder Model should be specified as the approved model.*

Bidders Question: There are a couple thousand Neptune meters already in the system for CCWD. Is there any consideration for being able to retrofit those meters in migrating them to AMR/AMI?

*District Response: The District has no plans to retrofit meters.*

**END**

**SECTION 00410**  
**BID FORM FOR CONSTRUCTION CONTRACT**  
**ADVANCED WATER METERING INFRASTRUCTURE**  
**PROJECT**

**ARTICLE 1 – OWNER AND BIDDER**

1.1 This Bid is submitted to:

Calaveras County Water District  
120 Toma Court  
San Andreas CA

1.2 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2 – ATTACHMENTS TO THIS BID**

2.1 The following documents are submitted with and made a condition of this Bid:

- A. Bid Bond
- B. Compliance Statement/Certification of Non-Segregated Facilities (RD 400-6);
- C. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tiered Covered Transactions (AD-1048);
- D. RD Instruction 1940-Q, Exhibit A-1, Certification for Contracts, Grant, and Loans.
- E. List of Proposed Subcontractors;
- F. Non-Collusion Affidavit;
- G. Workers Compensation Certification;
- H. Evidence of authority to do business in California; or a written covenant to obtain such license within the time for acceptance of Bids;
- I. Evidence of Contractor's License Number or evidence of Bidder's ability to obtain a State Contractor's License and a covenant by Bidder to obtain said license within the time for acceptance of bids;
- J. Iran Contracting Act Certification- required for bids over \$1,000,000
- K. Preliminary AMI Signal Propagation Study**
- L. The bidder shall include with the bid a detailed cost breakdown for Lump Sum Bid Items 5A, 6A and 7A. The detailed cost breakdown shall include an equipment list and a unit cost per piece of equipment furnished. The cost breakdown totals for each Bid Item shall match the Lump Sum Bid Amounts.**

**ARTICLE 3 - BASIS OF BID- LUMP SUMS/UNIT PRICES**

3.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

| <b>Item No.</b>               | <b>Description</b>   | <b>Unit</b> | <b>Estimated Quantity</b> | <b>Bid Unit Price</b> | <b>Bid Price</b> |
|-------------------------------|--|-------------|---------------------------|-----------------------|------------------|
| 1                             | Mobilization/Demobilization                                    | LS          | 1                         |                       |                  |
| 2A                            | Furnish 5/8" Positive Displacement Type Radio Read Water Meter | EA          | 13,022                    |                       |                  |
| 2B                            | Install 5/8" Positive Displacement Type Radio Read Water Meter | EA          | 13,022                    |                       |                  |
| 3A                            | Furnish 3/4" Positive Displacement Type Radio Read Water Meter | EA          | 5                         |                       |                  |
| 3B                            | Install 3/4" Positive Displacement Type Radio Read Water Meter | EA          | 5                         |                       |                  |
| 4A                            | Furnish 1" Ultrasonic Type Radio Read Water Meter              | EA          | 75                        |                       |                  |
| 4B                            | Install 1" Ultrasonic Type Radio Read Water Meter              | EA          | 75                        |                       |                  |
| 5A                            | Furnish AMI Fixed Network Equipment–Copper Cove Service Area   | LS          | 1                         |                       |                  |
| 5B                            | Install AMI Fixed Network – Copper Cove Service Area           | LS          | 1                         |                       |                  |
| 6A                            | Furnish AMI Fixed Network Equipment–Jenny Lind Service Area    | LS          | 1                         |                       |                  |
| 6B                            | Install AMI Fixed Network – Jenny Lind Service Area            | LS          | 1                         |                       |                  |
| 7A                            | Furnish AMI Fixed Network Equipment–West Point Service Area    | LS          | 1                         |                       |                  |
| 7B                            | Install AMI Fixed Network – West Point Service Area            | LS          | 1                         |                       |                  |
| 8                             | Furnish Mobile Read Data Collector Unit                        | EA          | 7                         |                       |                  |
| 9                             | Software and Training  | LS          | 1                         |                       |                  |
| 10A                           | Install new Meter Box Lids                                     | EA          | 13,102                    |                       |                  |
| 10B                           | Furnish new meter box lids (Allowance)                         | EA          | 13,102                    | \$30.00               | \$393,060        |
| <b>Total of All Bid Items</b> |  |             |                           |                       | <b>\$</b>        |

**TOTAL BID AMOUNT (WRITTEN)**

Bidder acknowledges that:

1. Each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
  2. Estimated quantities are not guaranteed, and are solely for the purposes of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities as determined as provided in the Contract Documents.
- 3.02 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for **90 days** after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

**DESCRIPTIONS OF BID ITEMS**

**BID ITEM NO.1 – MOBILIZATION/DEMOBILIZATION**

This item consist of preparatory work and operations, including, but not limited to those necessary for the movement of personnel, equipment, supplies, and incidentals to the site; securing performance and payment bonds and required insurance, establishing a field office (if applicable) and staging areas; preparing schedules and sequencing plans, submitting shop drawings; furnishing and installing project signs (5 Total) and for all other work and operations to be performed, or costs incurred, prior to beginning the Work. Contractor shall provide and maintain portable toilet(s) on-site for use by Contractor and subcontractor employees. Demobilization shall include, but not limited to, removal of all waste materials, debris, final cleanup of construction and staging areas, and issuance of maintenance bond. Contractor shall submit no greater than two percent (2%) of the total Contract Sum for this Bid Item.

**BID ITEM NO.2A – FURNISH 5/8” POSITIVE DISPLACMENT TYPE RADIO READ METER**

This item includes furnishing new 5/8” Bronze or Copper Body Positive Displacement Type Radio Read Water Meter with Solid State Encoder and through meter box lid antenna. The 5/8” Positive Displacement Type Radio Read Meter shall be capable of transmitting meter reading information to both AMR and AMI collection devices without requiring a wake-up call.

**BID ITEM NO.2B – INSTALL 5/8” POSITIVE DISPLACMENT TYPE RADIO READ METER**

This item includes all labor and equipment for removing existing direct read water meters, removal of accumulated debris in existing meter box, installation of new 5/8” Positive Displacement Type Radio Read Meter, installation of radio antenna through new meter box lid, and flushing of service line after new meter installation. The existing direct read meters shall be returned to the District for Salvage.

**BID ITEM NO.3A – FURNISH 3/4” POSITIVE DISPLACMENT TYPE RADIO READ METER**

This item includes furnishing new 3/4" Bronze or Copper Body Positive Displacement Type Radio Read Water Meter with Solid State Encoder and through meter box lid antenna. The 5/8" Positive Displacement Type Radio Read Meter shall be capable of transmitting meter reading information to both AMR and AMI collection devices without requiring a wake-up call.

**BID ITEM NO.3B – INSTALL 3/4" POSITIVE DISPLACEMENT TYPE RADIO READ METER**

This item includes all labor and equipment for removing existing direct read water meters, removal of accumulated debris in existing meter box, installation of new 3/4" Positive Displacement Type Radio Read Meter, installation of radio antenna through new meter box lid, and flushing of service line after new meter installation. The existing direct read meters shall be returned to the District for Salvage.

**BID ITEM NO.4A – FURNISH 1" ULTRA SONIC TYPE RADIO READ METER**

This item includes furnishing new 1" Bronze or Copper Body Ultrasonic Type Radio Read Water Meter with true absolute encoder output that provides direct electrical transfer of meter reading information to both AMI and AMR collection device using through meter box lid antenna. The Ultrasonic Meter type meter shall have no internal moving parts and shall have increased low flow accuracy over a standard positive displacement type meter.

**BID ITEM NO.4B – INSTALL 1" ULTRA SONIC TYPE RADIO READ METER**

This item includes all labor and equipment for removing existing direct read water meters, removal of accumulated debris in existing meter box, installation of new 1" Ultrasonic Type Radio Read Meter, installation of radio antenna through meter box lid, and flushing of service line after new meter installation. The existing direct read meters shall be returned to the District for salvage.

**BID ITEM NO.5A – FURNISH AMI FIXED NETWORK EQUIPMENT – COPPER COVE SERVICE AREA**

This item includes all materials and equipment required for installation of a complete AMI Fixed Network including all data collectors, repeaters, signal boosters, antennas, hardware, and software to automatically collect and transmit real time water meter data from all water meters within the Copper Cove Service Area to the Host Software for analysis and water meter billing. **The bidder shall include with the bid a detailed cost breakdown of this lump sum item. The detailed cost breakdown shall include an equipment list and a unit cost per piece of equipment furnished. The cost breakdown total shall match the lump sum total for Bid Item 5A.**

**BID ITEM NO.5B – INSTALL AMI FIXED NETWORK – COPPER COVE SERVICE AREA**

This item includes installation of a complete AMI Fixed Network of data collection equipment to automatically collect and transmit real time water meter data to Host Software from all water meters within the Copper Cove Service Area. The completed system shall provide 100% RF coverage of installed meter modules in the service area and have a minimum of 50% redundancy between the meters and the collectors.

**BID ITEM NO.6A – FURNISH AMI FIXED NETWORK EQUIPMENT – JENNY LIND SERVICE AREA**

This item includes all materials and equipment required for installation of a complete AMI Fixed Network including all data collectors, repeaters, signal boosters, antennas, hardware, and software to automatically collect and transmit real time water meter data from all water meters within the Jenny Lind Service Area to the Host Software for analysis and water meter billing. **The bidder shall include with the bid a detailed cost breakdown of this lump sum item. The detailed cost breakdown shall include an equipment list and a unit cost per piece of equipment furnished. The cost breakdown total shall match the lump sum total for Bid Item 6A.**

**BID ITEM NO.6B – INSTALL AMI FIXED NETWORK – JENNY LIND SERVICE AREA**

This item includes installation of a complete AMI Fixed Network of data collection equipment to automatically collect and transmit real time water meter data to the Host Software from all water meters within the Jenny Lind Service Area. The completed system shall provide 100% RF coverage of installed meter modules in the service area and have a minimum of 50% redundancy between the meters and the collectors.

**BID ITEM NO.7A – FURNISH AMI FIXED NETWORK EQUIPMENT – WEST POINT SERVICE AREA**

This item includes all materials and equipment required for installation of a complete AMI Fixed Network including all data collectors, repeaters, signal boosters, antennas, hardware, and software to automatically collect and transmit real time water meter data from all water meters within the West Point Service Area to the Host Software for analysis and water meter billing. **The bidder shall include with the bid a detailed cost breakdown of this lump sum item. The detailed cost breakdown shall include an equipment list and a unit cost per piece of equipment furnished. The cost breakdown total shall match the lump sum total for Bid Item 7A.**

**BID ITEM NO.7B – INSTALL AMI FIXED NETWORK – WEST POINT SERVICE AREA**

This item includes installation of a complete AMI Fixed Network of data collection equipment to automatically collect and transmit real time water meter data to Host Software from all water meters within the Copper Cove Service Area. The completed system shall provide 100% RF coverage of installed meter modules in the service area and have a minimum of 50% redundancy between the meters and the collectors.

**BID ITEM NO.8 – MOBILE READ DATA COLLECTOR UNIT**

This item includes furnishing the District with equipment including all hardware and software to collect and store real time meter readings while driving by in a vehicle. The mobile data collector shall be configured to be installed in any vehicle and allow the user to easily download the meter information to the host software for analysis and water usage billing. Mobile read data collectors shall be available for the Districts use at the beginning of the project to allow the District to transition to radio meter reading as meters are installed.

**BID ITEM NO.9 – SOFTWARE AND TRAINING**

This item includes furnishing the District all software required for a complete automatic water metering system. The provided host software must be web based and accessible from any computer with an internet connection. The software shall provide easy management of meter reading data from both the fixed network and the drive by data collection units. The software must be able to upload metering information from both the fixed network system and mobile read data collection devices to the District existing billing software. The host software shall be able to provide Districts operations staff with all standard reports including reverse flow warnings, leak warnings, and water usage information by zones or routes. The software shall have customer portal where individual water users can view water usage information. This item includes providing a minimum of 40 Hours of training for District Operations, Engineering, Accounting and IT departments. This item shall include all subscription and system monitoring cost through final project completion.

**BID ITEM NO.10A – INSTALL NEW METER BOX LIDS (modified addendum #2)**

This item includes all labor, and equipment to remove and replace the existing meter box lids with new lids with a recessed hole for AMR/AMI network antenna. The existing meter boxes and lids are from CIP 11096 00410-5 Bid Form  
Advanced Metering June 18, 2020  
Infrastructure Project Revised Addendum #2

various manufactures and multiple standard sizes, the new lids will be universal type to allow for installation on boxes from various manufactures. The new meter box lids shall be one-piece construction and rated for incidental heavy traffic. The Contractor will be responsible for disposal of the existing meter box lids.

**BID ITEM NO.10B – FURNISH NEW METER BOX LID (ALLOWANCE), (modified addendum #2)**

This item includes furnishing District New Meter Box Lids Materials that contain recessed hole for AMR/AMI network antenna. The Contractor will be reimbursed the actual cost to purchase the new meter box lids, no markup will be allowed on this item. The existing boxes are various styles and sizes and cannot accurately determine quantity of each of the various sizes. The new meter box lids shall be one-piece construction and rated for incidental heavy traffic. After award the Contractor shall provide CCWD with new meter box lid pricing from various manufactures to assist in selection of lids for the project. This is a “cash allowance” made in accordance with Section 00700, Article 13.02, Paragraph B.1.

**ARTICLE 4 – TIME OF COMPLETION**

- 4.1 Bidder agrees that the Work will be substantially complete and will be completed and ready for payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar or working days indicated in the Agreement.
- 4.2 Bidder agrees that the Work will be substantially complete within **730 calendar** days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **780 calendar** days after the date when the Contract Times commence to run. The Bidder agrees that 50% of all work will be furnished and installed within the first 365 calendar days.

**ARTICLE 5 - BIDDER’S ACKNOWLEDGEMENTS; ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA**

- 5.1 Bid Acceptance Period
  - A. This Bid will remain subject to acceptance for **90 days** after the Bid Opening, or for such longer period of time that Bidder may agree to in writing upon request of the Owner.
- 5.2 Instructions to Bidders
  - A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.
- 5.3 Receipt of Addenda
  - A. Bidder hereby acknowledges receipt of the following Addenda:

**Addendum No.**

**Addendum Date**

\_\_\_\_\_

\_\_\_\_\_

## ARTICLE 6 – BIDDERS REPRESENTATIONS AND CERTIFICATIONS

### 6.1 Bidder's Representations

A. In submitting this Bid, Bidder represents the following:

1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
3. Bidder is familiar with all Laws and regulations that may affect cost, progress, ad performance of the Work.
4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified int eh Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding



Documents.

9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

#### 6.02 Bidder's Certifications

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of Paragraph 6.02.A:
  - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
  - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of the Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
  - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
  - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

\_\_\_\_\_  
(typed or printed name organization)

By:

\_\_\_\_\_  
(individual's signature)

Name:

\_\_\_\_\_  
(typed or printed)

Title:

\_\_\_\_\_  
(typed or printed)

Date:

\_\_\_\_\_  
—  
(typed or printed)

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest:

\_\_\_\_\_  
(individual's signature)

Name:

\_\_\_\_\_  
(typed or printed)

Title:

\_\_\_\_\_  
(typed or printed)

Date:

\_\_\_\_\_  
—  
(typed or printed)

Address for giving notices:

\_\_\_\_\_  
—  
\_\_\_\_\_

Bidder's Contact:

Name:

\_\_\_\_\_

(typed or printed)

Title:

\_\_\_\_\_

(typed or printed)

Phone:

—

Email:

—

Address:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Bidder's Contractor License No.:

\_\_\_\_\_

Employer's Tax ID Number:

\_\_\_\_\_

## IRAN CONTRACTING ACT CERTIFICATION

Pursuant to Public Contract Code (PCC) section 2204, the following Iran Contracting Act certification is required if your bid totals \$1,000,000 or more.

If your bid totals \$1,000,000 or more, you must complete only one of the following two paragraphs. To complete paragraph 1, check the corresponding box and complete the certification. To complete paragraph 2, simply check the corresponding box.

1. We are not on the current list of persons engaged in investment activities in Iran created by the California Department of General Services (DGS) pursuant to PCC 2203(b), and we are not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on

\_\_\_\_\_ (date),

at \_\_\_\_\_ (city), \_\_\_\_\_ (state).

\_\_\_\_\_ (signature)

\_\_\_\_\_ (printed name)

OR

2. We have received written permission from the Agency to submit a bid pursuant to PCC 2203(c) or (d). A copy of the written permission from the Agency is included with our bid.