



# CITY OF PETALUMA

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Kevin McDonnell  
Mayor

Brian Barnacle  
Janice Cader-Thompson, Dist. 1  
Mike Healy  
Karen Nau, Dist. 3  
Dennis Pocekay  
John Shribbs, Dist. 2  
Councilmembers

## ADDENDUM NO. 2

### Advanced Metering Infrastructure (AMI) Implementation Project E67502242

March 4, 2024

#### Public Works & Utilities

##### Administration and Engineering

1318 Redwood Way, Ste. 120  
Petaluma, CA 94954

##### City Engineer

11 English Street  
Petaluma, CA 94952  
Phone (707) 778-4303

#### Environmental Services

Ellis Creek Water  
Recycling Facility  
3890 Cypress Drive  
Petaluma, CA 94954  
Phone (707) 776-3777  
Fax (707) 656-4067

#### Petaluma Airport and Marina

601 Sky Ranch Dr.  
Petaluma, CA 94954  
Phone (707) 778-4404

#### Streets Maintenance

840 Hopper St.  
Petaluma, CA 94952  
Phone (707) 778-4303  
Fax (707) 206-6065

#### Transit Division

555 N. McDowell Blvd.  
Petaluma, CA 94954  
Phone (707) 778-4421

#### Utilities & Field Operations

202 N. McDowell Blvd.  
Petaluma, CA 94954  
Phone (707) 778-4546  
Fax (707) 206-6034

#### E-Mail:

publicworks@  
cityofpetaluma.org

This Addendum No. 2 modifies the Bidding Documents for the Advanced Metering Infrastructure (AMI) Implementation Project E67502242. This Addendum shall become part of the Contract and all provisions of the Contract shall apply thereto. Bidders shall acknowledge all Addendums in the Bid Schedule.

### CLARIFICATION TO CONTRACTORS – QUESTIONS AND ANSWERS

**Question #1:** Is there a difference in the register and endpoint being installed for the different meter sizes?

**Answer #1:** *The registers being provided to the Contractor are the Badger Meter High Resolution Encoder (HR-E), which look the same but come in different model sizes (M25, M35, M55) for the different meter sizes. The endpoint being installed is the same for all meter sizes, which is the Badger Meter ORION Cellular endpoints.*

**Question #2:** Are the different water service sizes tied to specific lid sizes?

**Answer #2:** *Generally, the following water meter sizes are tied to these lid sizes:*

- 5/8" meter:
  - 95% B9
  - 5% B30
- 3/4" meter:
  - 95% B9
  - 5% B30
- 1" meter:
  - Even mix between B16, B30 and B36

**Question #3:** Where are the water meter boxes generally located? Are there services in areas of limited access such as alleyways, backyards or behind locked gates?

**Answer #3:** *The majority of water meters scheduled for AMI upgrade are located in front yards, driveways or curbs. The downtown area of Petaluma has a few alleyways with water services, which can still be accessed by vehicle. There are approximately 300 water services located in rural areas, which are easily accessible from roadways. The City will provide assistance to the Contractor in locating water meter boxes that are difficult to locate and accessing water meter boxes that are not immediately accessible and may need further coordination.*

**Question #4:** How accurate is the City's existing data on water services?

**Answer #4:** *The water meter data shared in this project is believed to be generally accurate and representative of the field conditions. The City currently reads water meter usage monthly via Automated Meter Reading (AMR) technology and utilizes Beacon for utility management and Tyler Eden for billing management services.*

**Question #5:** Does the City require sub-foot or sub-meter accuracy for GPS location?

**Answer #5:** *GPS accuracy for locating water meter boxes shall be sub-foot.*

**Question #6:** Is there a requirement to integrate installation data with a billing software? What Billing software will the exchange file be exported to?

**Answer #6:** *The Contractor will be required to submit the installation data using an electronic file provided by the City, and the City will be responsible for uploading that data to the billing software. The City's billing software is Tyler Eden.*

**Question #7:** Are the services in contiguous complete routes?

**Answer #7:** *Yes, the services are generally in continuous routes.*

**Question #8:** What percentage of services are Residential, Irrigation, Commercial, and Industrial?

**Answer #8:** *The services scheduled for AMI are estimated to be approximately 95% residential and 5% commercial. No irrigation or industrial services are expected to be part of the project.*

**Question #9:** How many services are in hardscapes (concrete, asphalt, etc)? Is it anticipated that meter boxes will have to be removed and reset to access the meter connections?

**Answer #9:** *Approximately 20% of water meter boxes are located in hardscapes (sidewalks, driveways, paved areas). No, it is not anticipated that water meter boxes will*

*have to be removed and reset. The contractor will not be required to replace meter bodies as part of the work. In the event a meter box may need to be reset due to the new endpoint not fitting inside the box while screwed to the lid, Contractor shall proceed with the work to replace the register and endpoint and place the endpoint inside the box. City staff will remedy the issue.*

**Question #10:** Can all service and customer lines be accessed within the meter box? If the lines cannot be accessed within the meter box does the City anticipate the installation contractor to remove the meter box or dig outside of the box?

*Answer #10: Yes, some digging may be required in order to expose the piping, but the City and customer lines should be able to be accessed within the water meter box. No, the Contractor is not expected to remove the meter box or dig outside of the box. In the event the lines cannot be exposed inside the water meter box, Contractor shall notify City staff assigned to provide assistance during the project.*

**Question #11:** If boxes need to be pulled, a pricing line item should be added for pulling the box?

*Answer #11: Water meter boxes are not expected nor shall be pulled during the project without request and approval by the City.*

**Question #12:** What are the expectations for meter boxes in located hardscape?

*Answer #12: The scope of work does not change whether the boxes are located in hardscape.*

This Addendum No. 2 shall become part of the Contract and all provisions of the Contract shall apply thereto. Bidders shall acknowledge all Addendums in the Bid Schedule.

**Summary of Changes:** Clarification to Contractors – Questions and Answers

City of Petaluma,



Dan Herrera, P.E. #C77596

**A signed copy of this Addendum and the attached acknowledgement form shall be attached to the bid proposal. Failure to do so may cause rejection of your bid as being non-responsive.**

**ADDENDUM NO. 2**

**Advanced Metering Infrastructure (AMI) Implementation Project  
E67502242**

**March 4, 2024**

**ACKNOWLEDGEMENT**

Receipt of Addendum No. 2 is hereby acknowledged by \_\_\_\_\_  
(Contractor's Name)

on the \_\_\_\_\_ day of \_\_\_\_\_, 2024.

By: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Company