



CITY OF WHEATLAND

CITY COUNCIL MEETING STAFF REPORT

February 9, 2021

SUBJECT: Wheatland AMI Water Service Meter Installation Project-
Reject all bids received January 12, 2021, approve
repackaged bid documents, and authorize bidding of the
Wheatland AMI Water Service Meter Installation Project

PREPARED BY: Dane H. Schilling – City Engineer, and
Asa Utterback – Coastland Engineering

Recommendation

Adopt Resolution No. 05-21 rejecting all bids received on January 12, 2021, approving the repackaged bid documents, and authorizing the City Engineer to proceed with bidding the repackaged project known as the Wheatland Advanced Metering Infrastructure (AMI) Water Service Meter Installation Project.

Background/Discussion

With the support of the Yuba Water Agency (YWA), the City has been awarded a combined \$1.36 million grant through the Integrated Regional Water Management (IRWM) grant program, which includes fifty percent (50%) matching funds by YWA, for a Comprehensive Drinking Water Project. The Comprehensive Project will improve water system reliability; increase community awareness of water consumption; encourage sustainable water practices; and modernize the City's water supply system to accommodate growth. The grant includes several projects including a new municipal accounting and billing software system, new communication infrastructure and new water meters.

On May 12, 2020, the City Council authorized the draft request for proposals (RFP) for implementation of the AMI water system. On September 22, 2020, the City Council authorized the City Manager to award contracts to Mueller Systems, LLC (Mueller) for the AMI system work. Additionally, on October 13, 2020, the City Council adopt Resolution No. 41-20 making a public interest finding for the sole source procurement of water meters and AMI endpoints supplied by Muller Systems, LLC for the City-wide AMI Water Meter Installation Project.

The project for which bids were received was planned to install all new supply-side and demand-side (service) meters, and implement systemwide water meter automation upgrades using the Advanced Metering Infrastructure to fully automate meter reading, enable timely leak detection; provide consumers with data for consumption management, increase operational efficiencies and

improve the City's related operational and billing software. The project also would have added two new supply side meters at the City Corporation Yard, which would improve the City's management of the ground level storage tank flows in anticipation of changes to occur with the Water System Reliability Project funded through this same IRWM grant.

Two bids were received, but both were determined to be non-responsive which is the cause for the City to reject them. The unsuccessful, apparent low-bidder, Keystone Metering Systems, Inc. of Luzerne, Pennsylvania, currently only has a C36 Plumbing Contractor license in California, whereas the bid documents required a Class 'A' General Engineering Contractor license. Keystone Metering Systems was deemed responsive in all other aspects, including the experience requirement. The second bidder, Santos Excavating, Inc. of Chico, California holds a Class A General Engineering license, but did not provide evidence of the required experience in performing mass-meter change-outs in association with the implementation of an Advanced Metering Infrastructure (AMI) System. This is a critical requirement given the specialized nature of the project.

While most of the work is just on meters and customer-side plumbing, which is within the realm of a C36 Plumbing Contractor license, the work on the supply-system metering requires an 'A' license. The project has been repackaged to defer the work which warranted the 'A' license, and just include the service metering work which is deemed to be within the qualifications of the C36 license.

Due to the proposed immediate repackaging and rebid of the project, the bids are being held confidential until completion of the rebid. We can acknowledge that the unsuccessful, low bid total amount was under the engineer's estimated amount. The second bidder's total amount was not. While the bids were opened publicly, no members of the public were present for the reading of the bids, so neither the totals nor any specific bid values have been made available to anyone other than City staff and relevant Coastland staff members.

Unfortunately, it turned out that several other mass-meter change out projects had bid in California in the last couple of months creating a challenge for attracting bid interest for Wheatland's project. Some of the bidders who specialize in mass meter change-outs are, like Keystone Metering Systems, just C36 Plumbing Contractors, though others do hold an A license. Staff has checked with qualified contractors who were anticipated to bid and found that, by repackaging the project to just install the service metering equipment under a C36 Plumbing Contractors license, we can expect more bid interest, including submittal of a fresh bid by Keystone. Other minor adjustments have been made in the repackaged bid documents to compensate, where reasonably achievable, for the fact that there is currently a large load of this work still active throughout our region. The supply metering on the wells and at the corporation yard are planned to be repackaged separately with similar work related to the Water System Reliability project which is under the same grant as this project. Within the scope of that upcoming project, there is other similar, related pipeline work on the supply system which is envisioned for a separate contract anyway.

Coastland Civil Engineering has repackaged the bid documents for the purchase and installation of all new service meters (Attachment 2). With Council's authorization, the project is planned to be advertised for bids immediately after Council authorization with bids opening in March 2021. The installation timeline for the AMI water meters is dependent upon the City's billing system upgrade and Mueller's implementation of the software and infrastructure needed to read the AMI water meters. The City's billing system is expected to begin the migration to Tyler Technologies by March 2021. The Mueller team has begun their work on the AMI infrastructure and will coordinate the software and CIS integration following the billing system upgrade in following the

City's municipal accounting and billing software system migration to Tyler Technologies Incode. Mueller is expected to have the infrastructure installation complete in time for the start of the meter installations.

The construction contract for the service meter installation is planned to be awarded in April 2021 and installation could begin as early as May 2021.

Staff has determined that no significant environmental impacts would occur as a result of this project and therefore the project is categorically exempt under CEQA.

Alternatives

Alternatively, the City Council may choose to not approve the bid documents or authorize the bidding of the project or modify the scope of the project.

Fiscal Impact

The project is funded entirely through external grants. The Yuba Water Agency (YWA) awarded the City of Wheatland a \$700,000 grant for the City's Comprehensive Drinking Water Project as the local match to leverage an application to the State for additional grant funding. The Project was also selected for full funding through the Proposition 1 Round 1 Integrated Regional Water Management (IRWM) Implementation Grant in the amount of \$682,347. With the above-noted match grant from YWA, the total grant to the City for the *Comprehensive Drinking Water Project* is \$1,382,347. The *Water Conservation and Efficiency Component* of the *Comprehensive Drinking Water Project* which is being implemented under the various phases of the AMI Water System Metering Upgrade Project accounts for \$ 964,695 (\$838,865 plus 15% contingency) of the grant.

The project funding and budgeted costs are provided in Tables 1 and 2 below.

Table 1 - Water Conservation & Efficiency (AMI Metering) Funding

Funding	Amount
Integrated Regional Water Management (IRWM) Grant	\$ 482,347.50
Yuba Water Agency (YWA) Matching Grant	\$ 482,347.50
TOTAL	\$ 964,695.00

Table 2 - Water Conservation & Efficiency (AMI Metering) Budget

Expenditures		Amount
Project Management, Engineering and Environmental	\$	63,250
Installation / Implementation	\$	769,245
Construction Administration	\$	90,000
City Admin (Transition of billing software)	\$	23,000
City Municipal Accounting and Billing Software Upgrade (water enterprise portion)	\$	19,200
	TOTAL \$	964,695

Note: Budgeted amounts include a contingency.

Attachments

1. Resolution No. 05-21
2. Bid Documents for Wheatland AMI Water Service Meter Installation Project

RESOLUTION NO. 05-21

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WHEATLAND REJECTING ALL BIDS RECEIVED ON JANUARY 12, 2021, FOR THE WHEATLAND AMI WATER METER INSTALLATION PROJECT; APPROVING THE REPACKAGED BID DOCUMENTS; AND AUTHORIZING BID ADVERTISEMENT FOR THE ADVANCED METERING INFRASTRUCTURE (AMI) WATER SERVICE METER INSTALLATION PROJECT

WHEREAS, City staff applied for and the City was awarded \$1,382,347 in funding through the combination of a Proposition 1 Integrated Regional Water Management (IRWM) grant and match funding from the Yuba Water Agency (YWA) for the Wheatland Comprehensive Drinking Water Project; and

WHEREAS, the Advanced Metering Infrastructure (AMI) Water Service Meter Installation Project ("Project") is included in the Wheatland Comprehensive Drinking Water Project grant; and

WHEREAS, on October 27, 2020, City Council authorized staff to advertise the Advanced Metering Infrastructure (AMI) Water Meter Installation Project for bids; and

WHEREAS, on January 12, 2021, the City received two bids for the project which were non-responsive since the bidders didn't meet licensing and relevant project experience requirements; and

WHEREAS, staff has subsequently checked with qualified contractors who were anticipated to bid and found that, by repackaging the project as represented in the staff report, the City can expect reasonable bid interest on the repackaged project; and

WHEREAS, staff have repackaged the bid documents in order to obtain competitive bids for the acquisition and installation of the necessary service meters and AMI endpoints and named the repackaged project the Advanced Metering Infrastructure (AMI) Water Service Meter Installation Project, and recommends that the project be publicly advertised for bidding.

NOW, THEREFORE IT IS HEREBY RESOLVED, ORDERED AND FOUND by the City Council of City of Wheatland, State of California, that the City Council rejects all bids received on January 12, 2021, for the Wheatland AMI Water Meter Installation Project; approves the repackaged bid documents for the Advanced Metering Infrastructure (AMI) Water Service Meter Installation Project; and the authorizes the City Engineer to proceed with the bidding process for the project.

PASSED AND ADOPTED by the City Council of City of Wheatland, State of California this 9th day of February 2021, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Rick West, Mayor

ATTEST:

Lisa Thomason, City Clerk



**City of Wheatland
California**

Department of Public Works

NOTICE TO BIDDERS

BID PROPOSAL AND CONTRACT AND SPECIAL PROVISIONS

FOR

**ADVANCED METERING INFRASTRUCTURE (AMI) WATER SERVICE METER
INSTALLATION PROJECT**

**IN
WHEATLAND, CA**

**FOR USE IN CONNECTION WITH SPECIFIED
STANDARD SPECIFICATIONS AND STANDARD PLANS DATED 2018
OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION**

AND

**CURRENT GENERAL PREVAILING WAGE RATES AND
LABOR SURCHARGE AND EQUIPMENT RENTAL RATES
OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION**

**BID OPENING DATE:
Thursday, March 11, 2021, 2:00 PM**

PUBLIC WORKS BID AND CONTRACT DOCUMENTS

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1 BIDDING REQUIREMENTS

1.1 INVITATION TO BID

Sealed proposals will be received at the office of the City of Wheatland, located at City of Wheatland, 111 C Street, Wheatland, CA 95692, until 2:00 PM local time on Thursday, March 11, 2021, or such later date as may be set by addendum, and then will be publicly opened and read for the construction of the following public works project:

CITY OF WHEATLAND ADVANCED METERING INFRASTRUCTURE (AMI) WATER SERVICE METER INSTALLATION PROJECT

The City of Wheatland provides water to approximately 1,151 service connections composed of approximately 1,109 residential water meters and 42 commercial/industrial/landscape. The City's existing water services are metered, but most of the meters are more than 15 years old with manual or touch-read systems. In General, this project involves the replacement of all existing water meters serving City connections and the conversion to new Advanced Meter Infrastructure (AMI) endpoints on all connections served by the City.

Residential meters are generally located within front yards of residential customers, and behind sidewalks in front of commercial connections. The City estimates that about 100 meters are located in driveways, approximately 25 of which will require plumbing modifications, new meter boxes, and related driveway repairs.

Meter body replacements will be performed in accordance with Section 10-4. The Contractor will perform a meter box audit on all 1,151 existing water services to collect all relevant data needed for completion of the work as well as other data for the City's operations and maintenance records in accordance with Section 10-3. Contractor will be required to use a Work Order Management application (software program) (Section 10-3.05) to collect data on the existing and newly installed meters and document services requiring additional work using logic and information provided by the City. Contractor will provide all data collected in the audit to the City in digital database format to facilitate the conversion process in the City's tracking and billing software.

The contract documents for the Project, including the public works construction contract, instructions to bidders, bid forms, and plans and specifications, may be obtained from the CIPList.com internet-based plan house at the following internet website address:

<http://ciplist.com/plans/?Wheatland/city/13912>

Any cost of obtaining these documents is non-refundable. Bidders must comply with the Instructions to Bidders.

The City will hold a virtual, non-mandatory pre-bid conference, via Zoom on Wednesday, February 24th at 10:00 am. It is suggested that each prospective bidder review the bid documents prior to the pre-bid conference. To join the meeting, use the following link and login information: <https://us02web.zoom.us/j/82188297889?pwd=c2NmchBldXJZU1EvOW5sc1ZJWXRzZz09>

Meeting ID: 821 8829 7889

Passcode: 119819

Any questions addressing the interpretation or clarification of the Contract Bid Forms or the Bid Documents must be submitted in writing by email not later than seven (7) calendar days before the date bids will be opened. Questions regarding the bidding documents may be directed to:

Elaine Greif
530-537-3854
greif@coastlandcivil.com

Each Bid must be submitted on the prescribed forms and accompanied by cash, a cashier's check, certified check or bid bond executed on the prescribed form payable to the City in an amount not less than 10 percent of the amount bid.

The successful bidder will be required to furnish a payment bond and faithful performance bond each in the full amount of the Contract price, and insurance with certificates and endorsements of insurance, as provided in the Contract Documents. The required bonds must be provided only by a surety insurer who is admitted to do business by and in good standing with the California Department of Insurance.

Bidders are hereby notified that in accordance with Public Contract Code section 22300, securities may be substituted for any monies that the City may withhold pursuant to the terms of this Contract to ensure performance.

The successful bidder must possess the following classification or type of contractor's license issued by the Contractors State License Board: Class A or Class C36, California.

To be qualified to bid on this Project, bidders must be registered and qualified to perform public work with the Department of Industrial Relations pursuant section 1725.5 of the Labor Code. All subcontractors listed in a qualified bidder's bid as performing any portion of the work also must be registered and qualified with the Department of Industrial Relations.

The contractor shall provide written verification to the City with the bid submission that the Contractor has installed a minimum of two (2) AMI system mass meter change-out projects and not less than 10,000 meters all in conjunction with Mueller or equivalent AMI system improvements over the last three (3) years. Attention is directed to Section 10-1.06 Contractor Experience Requirements.

Bids that equal or exceed \$1,000,000 must be accompanied by an Iran Contracting Act certification in the form provided in section 1.9.

The attention of bidders is directed to the requirements and conditions of employment to be observed and prevailing wage rates to be paid to all workers employed under the Contract in accordance with Labor Code sections 1770 and following. Copies of the prevailing rate of per diem wages are on file at the City's office, and will be made available to any interested party on request. In accordance with Labor Code section 1771.4(a)(1), this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The City reserves the right to reject all bids. Any bid not conforming to the intent and purpose of the Contract Documents may be rejected. The City may extend the time to award the Contract.

Dated: _____

City of Wheatland

By: _____

Lisa Thomason

City Clerk

1.2 BID

TO: City of Wheatland, 111 C Street, Wheatland, CA 95692

The undersigned states and declares as follows:

That the Bidder has carefully examined the location of the proposed work; that the Bidder has examined the Contract Documents entitled: CITY OF WHEATLAND ADVANCED METERING INFRASTRUCTURE (AMI) WATER SERVICE METER INSTALLATION PROJECT; the Addenda Numbers ___ to ___, if any; that the Bidder has read the accompanying Instructions to Bidders; that the Bidder hereby proposes to begin work and complete the project in accordance with the schedule and deadlines in the Contract Documents; that the Bidder hereby proposes to furnish all labor, materials, tools, and equipment, and to perform all work required, complete in place, in compliance with all terms and condition and requirements of the Contract Documents; and that the Bidder will take in full payment for the work the prices set forth in the accompanying bid schedule.

The Bidder acknowledges that the following quantities are approximate only, being given as a basis for the comparison of proposals, that the City does not expressly or by implication agree that the actual amount of the work will correspond therewith, and that the City reserves the right to increase or decrease the amount of any class or portion of the work, as may be deemed necessary or advisable by the Engineer.

The following surety or sureties have agreed to furnish payment and faithful performance bonds to the Bidder if it is awarded the contract:

Name of Performance Bond Surety: _____

Name of Payment Bond Surety: _____

BIDDER INFORMATION

Bidder Name: _____

Type of Business Entity and State of Incorporation (e.g., corporation, limited liability company, partnership):

Contractor's License No.: _____

DIR Public Works Contractor Registration No.: _____

Expiration Date: _____

Type of license: _____

Name under which license is held: _____

Status of license: _____

The Bidder's authorized officer identified below hereby declares that the representations in this Bid are true and correct and of my own personal knowledge, and that these representations are made under penalty of perjury under the laws of the State of California.

Authorized Signature: _____

Printed Name: _____

Title: _____

Date: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

1.3 BID SCHEDULE

**CITY OF WHEATLAND
ADVANCED METERING INFRASTRUCTURE (AMI) WATER SERVICE METER
INSTALLATION PROJECT**

BID ITEMS					
Item	Description	Quantity	Units	Unit price	Total price
1	Mobilization and Demobilization	1	LS	\$	\$
2	Meter Box Audit, Pre and Post-Construction Photos, and Service Data Collection	1,158	EA	\$	\$
3a	Water Meter Replacement – 1" and smaller	1,103	EA	\$	\$
3b	Water Meter Replacement – 1.5" and 2"	37	EA	\$	\$
3c	Water Meter Replacement – 3", 4", and 6"	5	EA	\$	\$
4	Meter Plumbing Modification (5/8" thru 2" size)	56	EA	\$	\$
5	Minor Plumbing Modification (existing 5/8" meters)	100	EA	\$	\$
6	Meter Pit Cleanout	200	EA	\$	\$
7	Water Meter Box Lid Replacement	100	EA	\$	\$
8	Water Meter Box Replacement	100	EA	\$	\$
9	Driveway Repair	25	EA	\$	\$
10a	Furnish 3/4" Water Meters*	614	EA	\$	\$
10b	Furnish 1" Water Meters*	495	EA	\$	\$
10c	Furnish 1-1/2" Water Meters*	22	EA	\$	\$
10d	Furnish 2" Water Meters*	15	EA	\$	\$
10e	Furnish 3" Water Meters*	1	EA	\$	\$
10f	Furnish 4" Water Meters*	1	EA	\$	\$
10g	Furnish 6" Water Meters* (demand meters)	3	EA	\$	\$
11	Furnish AMI Endpoint*	1,151	EA	\$	\$
12	Install AMI Endpoint (demand meters)	1,151	EA	\$	\$
13	Construction Funding Signage	1	LS	\$	\$
Total Bid Amount					\$

*Pre-negotiated pricing with Mueller Systems for this project is included in Appendix C.

Dollars

Base Bid Written Amount

Contractor Company Name: _____

Complete the following Addenda acknowledgements if there are any addenda to the bid documents.