



CITY OF WHEATLAND

CITY COUNCIL MEETING STAFF REPORT

October 27, 2020

SUBJECT: Council discussion and consideration to adopt Resolution No. 42-20 to approve the bid documents and authorize bidding of the Wheatland AMI Water Meter Installation Project

PREPARED BY: Dane H. Schilling – City Engineer, and
Elaine Greif – Coastland Engineering

Recommendation

Adopt Resolution No. 42-20 approving the bid documents and authorize the City Engineer to proceed with the bidding process for the construction of the Wheatland AMI Water 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 project will install all new supply-side and demand-side meters, and implement systemwide water meter automation upgrades using Advanced Metering Infrastructure (AMI) 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 will also add two new supply side meters at the City Corporation Yard, which will allow the City to monitor water going into the ground level storage tank and back out to the distribution system. The addition of these two meters will give the City a tool to compare water produced with water sold and quantify non-revenue water.

On May 12, 2020, the City Council authorized the draft request for proposals (RFP) and specifications. After receiving direction from the City attorney, it was determined that due to California Public Contract Code, the contract for vendor and AMI system selection needed to be separated from the meter installation contract. The final RFP document was refined, and the scope was reduced to exclude meter installations.

On September 22, 2020, the City Council authorized the City Manager to award contracts to Mueller Systems, LLC (Mueller) for the implementation of the Advanced Metering Infrastructure (AMI) Project.

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 attached bid documents specify that water meters and AMI endpoints provided with the construction contract shall be supplied by Muller Systems.

Coastland Civil Engineering proceeded with preparing bid documents for the purchase and installation of all new meters. The Project technical specifications are included as Attachment 2.

With Council's authorization, the project is planned to be advertised for bids in October with bids opening in December. The installation timeline for the AMI water meters is contingent 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 January 2021. The Mueller team will begin their work with the software and CIS integration following the billing system upgrade in following the City's billing system migration to Tyler Technologies Incode, and is expected to have the software integration and infrastructure installation complete within four months of starting the effort.

The construction contract for the meter installation would be awarded in December 2020 and, due to the necessary billing system and software integration that needs to take place before the meter installations, construction could begin as early as March 2020.

Staff has determined that no significant environmental impacts could 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

On January 21, 2020, 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. On April 29, 2020 the City was notified that its project had been selected for full funding from the Proposition 1 Round 1 Integrated Regional Water Management (IRWM) Implementation Grant in the amount of \$682,347 to bring the grant total to \$1,382,347 for the Comprehensive Drinking Water Project. The AMI Water System Metering Upgrade Project and upgrade of the billing software (a separate action) comprise the first phase of the overall project.

The current estimate of Phase 1 project funding and budgeted costs is 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	% of Project
Project Management, Engineering and Environmental		
City Engineer	\$ 2,000	0.2%
Environmental	\$ 1,000	0.1%
Project Management	\$ 9,000	0.9%
Grant Administration	\$ 3,000	0.3%
Background Info & Data Collection	\$ 3,000	0.3%
RFP, RFB, Specifications and Bid Docs	\$ 50,000	5.2%
Construction	\$ 742,445	78.1%
Construction Administration		
Engineering Support During Construction	\$ 10,430	1.1%
Construction Management and Inspection	\$ 64,000	6.6%
City Admin (Transition of billing software)	\$ 23,000	2.4%
City Finance Software Upgrade	\$ 46,000	4.8%
TOTAL	\$ 964,695	

Note: Budgeted amounts include a contingency.

Attachments

1. Resolution No. 42-20
2. Bid Documents for Wheatland AMI Water Meter Installation Project

RESOLUTION NO. 42-20

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WHEATLAND APPROVING THE BID DOCUMENTS FOR THE WHEATLAND AMI WATER 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 System Metering Upgrade Project ("Project") is included in the Wheatland Comprehensive Drinking Water Project grant; and

WHEREAS, staff has determined that no significant environmental impacts could occur as a result of the Project and the Project is categorically exempt under CEQA; and

WHEREAS, on May 12, 2020, City Council authorized staff to issue a Request for Proposals soliciting vendors for the Project; and

WHEREAS, The City issued a Request for Proposals and staff selected Mueller Systems, LLC (Mueller) as the top ranked proposer; and the scope, fee and terms of the contract were negotiated with Mueller under advisement of the City Attorney resulting in a consultant agreement and a software licensing agreement; and

WHEREAS, on September 22, 2020, City Council authorized staff to award contracts to Mueller Systems, LLC for the implementation of the AMI Project; and

WHEREAS, on October 13, 2020, City Council adopted 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; and

WHEREAS, staff have prepared bid documents in order to obtain competitive bids for the acquisition and installation of the necessary meters and AMI endpoints, 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 bid documents for the Wheatland AMI Water Meter Installation Project are hereby approved by the City of Wheatland and the City Engineer is authorized to proceed with the bidding process.

PASSED AND ADOPTED by the City Council of City of Wheatland, State of California this 27th day of October 2020, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Rick West, Mayor

ATTEST:

Lisa Thomason, City Clerk