



Folsom City Council Staff Report

MEETING DATE:	7/26/2022
AGENDA SECTION:	Consent Calendar
SUBJECT:	Resolution No. 10891 – A Resolution Authorizing the City Manager to Execute Amendment No. 1 to the Agreement (Contract No. 046-21 21-005) with Badger Meter, Inc. to Purchase Badger Cellular Endpoints for a Three Year Pilot Automated Metering Infrastructure Network for the City of Folsom Water Meter Division
FROM:	Environmental and Water Resources Department

RECOMMENDATION / CITY COUNCIL ACTION

The Environmental and Water Resources Department recommends that the City Council pass and adopt Resolution No. 10891 - A Resolution Authorizing the City Manager to Execute Amendment No. 1 to the Agreement (Contract No. 046-21 21-005) with Badger Meter, Inc. to Purchase Badger Cellular Endpoints for a Three Year Pilot Automated Metering Infrastructure Network for the City of Folsom Water Meter Division.

BACKGROUND / ISSUE

By State law California Water Code Section 526 the City began billing all City water customers based on consumptive rates in January 2013. In preparation for the 2013 metered billing, the City adopted a comprehensive Water Meter Implementation Plan (WMIP) in August 2007 and an updated WMIP in April 2011.

In the WMIP, staff analyzed the life cycle cost for various meter reading options, including touch read (walk-by), radio read (drive-by) and fixed network (remote meter reading). The life cycle cost analysis revealed that the fixed network system provided the best long-term cost advantages. Staff moved forward with implementing a city-wide fixed network meter reading system. Currently, the city is 100% deployed with a fixed network system.

Since the deployment of the City's current fixed network system, technology has expanded and improved in the area of automated meter reading. In 2019, the city elected to participate in a regional Water Meter Consortium study that reviewed regional opportunities for meter purchasing, meter testing and meter reading technology. The meter reading technology analysis reviewed and compared what other water agencies use for meter reading and the various options available for remote meter reading. The study identified the pros and cons of various meter reading systems, as well as a recommendation to the City for future meter reading needs. The Water Meter Consortium consultants recommended the City conduct a pilot project of the Badger Meter cellular automated metering infrastructure (AMI) system. This resolution authorizes the City Manager to execute Amendment No. 1 to the Agreement (Contract No. 046-21 21-005) with Badger Meter, Inc. to purchase Badger Cellular Endpoints for a Three Year Pilot Automated Metering Infrastructure Network for the City of Folsom Water Meter Division

POLICY / RULE

In accordance with Chapter 2.36 of the Folsom Municipal Code, supplies, equipment, services, and construction with a value of \$66,141 or greater shall be awarded by City Council.

ANALYSIS

The Water Meter Consortium consultants recommended the City pilot the Badger Meter Cellular AMI system. As a result of this recommendation, the city worked with Badger Meter, Inc. to identify the overall costs for a pilot project.

On October 27, 2020, the City Council approved Resolution No. 10537 authorizing execution of an agreement with Badger Meter Inc for the pilot project. Under the current Agreement (046-21 21-005) it was estimated that the City would install approximately 800 meter reading units per year during the three years of the agreement.

Due to increased demand for water meters in the Folsom Plan Area, the City will exhaust the total inventory of cellular endpoints prior to the three years anticipated in the original agreement. To keep up with demand for the remainder of the three year pilot, the City requests this amendment to purchase an additional 2,000 cellular endpoints from Badger Meter, Inc. Since this is a cellular AMI system and is built on existing commercial wireless networks, there is no additional infrastructure that will need to be installed. The cost to the City over the remaining 2 years is as follows:

Item	\$ per	Year 1 (\$)	Year 2 (\$)
Badger Cellular Endpoint	\$85.00	\$85,000	\$85,000
Cellular Service Annual Cost	\$8.16	\$8,160	\$16,320
Total Cost Per Year (inc. tax)		\$93,160	\$101,320
Total Cost of Amendment to Meet Demand For AMI			\$194,480

FINANCIAL IMPACT

Sufficient funds have been budgeted and are available in the Water Operating Fund (Fund 520) in FY 2022-23 to provide for this program for a total of \$93,160. Funds will also be made available in FY 2023-24. This amendment will authorize purchasing additional endpoints at the original contract price for the remainder of the AMI three year pilot during FY 2022-23 and FY 2023-24, for a total not-to-exceed fee of \$194,480.

ENVIRONMENTAL REVIEW

This work consists of basic data collection and component installation that does not result in a serious or major disturbance to an environmental resource, and is categorically exempt from environmental review under the California Environmental Quality Act as noted in Title 14 - California Code of Regulations, Chapter 3 - Guidelines for Implementation of the California Environmental Quality Act, Article 19 - Categorical Exemptions, Section 15306 – Information Collection.

ATTACHMENT

Resolution No. 10891 - A Resolution Authorizing the City Manager to Execute Amendment No. 1 to the Agreement (Contract No. 046-21 21-005) with Badger Meter, Inc. to Purchase Badger Cellular Endpoints for a Three Year Pilot Automated Metering Infrastructure Network for the City of Folsom Water Meter Division

Submitted,

Marcus Yasutake, Director
ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT

RESOLUTION NO. 10891

A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AMENDMENT NO. 1 TO THE AGREEMENT (CONTRACT NO. 046-21 21-005) WITH BADGER METER, INC. TO PURCHASE BADGER CELLULAR ENDPOINTS FOR A THREE YEAR PILOT AUTOMATED METERING INFRASTRUCTURE NETWORK FOR THE CITY OF FOLSOM WATER METER DIVISION

WHEREAS, remote meter reading is an essential operation for accurate, timely billing, water conservation and maintenance of the meter infrastructure; and

WHEREAS, the City participated in a region Water Meter Consortium to analyze regional water meter networks with a recommendation that the City pilot the Badger Meter Cellular AMI system; and

WHEREAS, additional cellular endpoints are needed to keep up with an increased demand in water meter installations; and

WHEREAS, sufficient funds have been budgeted and are available in the Water Operating Fund (Fund 520); and

WHEREAS, the agreement will be in a form acceptable to the City Attorney:

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Folsom authorizes the City Manager to execute Amendment No. 1 to the Agreement (Contract No. 046-21 21-005) with Badger Meter, Inc. to Purchase Badger Cellular Endpoints for a Three Year Pilot Automated Metering Infrastructure Network for the City of Folsom Water Meter Division for a not-to-exceed amount of \$194,480.

PASSED AND ADOPTED this 26th day of July, 2022, by the following roll-call vote:

AYES: Councilmember(s):
NOES: Councilmember(s):
ABSENT: Councilmember(s):
ABSTAIN: Councilmember(s):

Kerri M. Howell, MAYOR

ATTEST:

Christa Freemantle, CITY CLERK