

Colorado Water Conservation Board
Water Efficiency Grant Fund - 100% Project Completion Report

Water Efficiency Grant Project Summary	
Name of Applicant	City of Westminster
Name of Grant Project	Residential Water Meter Replacement – Installation Phase
WEGF Grant reimbursement to date	\$44,550
Grant funds remaining (10%)	\$4,950 (See Invoice #2)
Cash Match for meter installation phase	<p>Pay App 16 (October 2020) - \$157,094 Pay App 17 (November 2020) - \$87,955 Pay App 18 (December 2020) - \$22,638</p> <hr/> <p style="text-align: right;">\$267,687</p> <p>75% Completion cash match total= \$3,844,453.90 Additional total from this report= \$267,687</p> <hr/> <p style="text-align: right;">\$4,112,140.90</p> <p>Final 10% Grant payment (Invoice #2) – \$4,950 Total Installation Phase Cash Match - \$4,107,190.90</p>
Estimated project completion date	<p>Meter Installation was completed December 2020, with final Pay Applications submitted in January 2021.</p> <p>This report indicates the completion of the CWCB grant funded installation phase of the project.</p>

1. Applicant Information	
Name of Grantee	City of Westminster
Mailing Address	4800 West 92nd Avenue Westminster CO 80031
Grantee Contact	Brad Bettale
Position/Title	Meter Department Foreman / Project Manager
Email	bbettale@cityofwestminster.us
Phone	303-658-2594

Project Overview

The City of Westminster Public Works and Utilities Department has invested approximately \$14 million in this meter project and with the support of the Residential Meter Replacement Project contractor, Utility Metering Solutions, and a generous grant from the CWCB, has replaced over 31,000 residential and small commercial water meters throughout the city. This project began in June of 2019 and involved the update of communications infrastructure to support updated water meter technology. The meter installation phase of the project was awarded \$49,500 of CWCB Water Efficiency project grant funding and the installation phase took approximately one year to complete. Most installations were accomplished during a global pandemic which was a great accomplishment for the City and the installation team.

Water Savings Outcomes: With the installation of the new residential meters, nearly 600 leaks were identified within Westminster's water system and were repaired or corrected by the water meter shop or residential homeowners. Leak detection was difficult with the old meters but with the installation of the updated meters and AMI system, the city has been able to easily identify, collect and transmit the meter data wirelessly and with more accuracy. At this time there has been no quantifiable savings based on the leak detection and correction, but over time these savings will accumulate. The automatic leak notification feature of the new system is identifying any single-family residential customers who have continuous consumption for 24 hours or more at a rate of 15 gal/hr or greater and those residences are being notified via postcards. Information on total numbers of postcards sent so far is listed below and an example postcard has been included for your reference.

- October 2020 – 451 postcards
- November 2020 – 302 postcards
- December 2020 – 268 postcards
- January 2021 – 261 postcards

The improved meter accuracy has led to an increase in measured water consumption rates throughout the city after the installation project. With water usage data gathered over time, and through the implementation and utilization of consumer usage data, Westminster will continue to encourage and support innovative ways to conserve water and should be able to demonstrate additional water savings not immediately evident from the meter replacement project. The new meters replaced aging infrastructure and these updates will also reduce service and maintenance costs for years to come, allowing cost savings to be invested in other initiatives.

The City of Westminster plans to launch a Customer Portal in the summer of 2021 to give customers direct access to “real-time” water usage information which will allow adjustment of water usage leading to significant cost and water savings. The identification of usage patterns can help inform water conservation practices, and automated leak notifications will ensure any water leak issues are resolved quickly to mitigate water waste. The enhanced customer data is currently available to customers by contacting the Westminster Utility Billing team at ub@cityofwestminster.us or 303-658-2405. The meter shop has been able to access and share the data while meeting with customers, which has been extremely useful. Upon full implementation of the customer portal the full potential of water savings based on the updated meter project should be realized. This meter replacement project is one of many projects the city has and continues to invest in to provide safe, reliable water and wastewater service for current and future generations.

Project Status Report - 100%

The installation phase of the overall meter replacement project was completed in December 2020. 31,220 meters were installed over the course of this project. Approximately 251 meters were not replaced as part of the project due to inability to locate them or access the meter, and City staff will continue to work to replace those meters through routine service calls.

By replacing outdated meters, the city has reduced labor and equipment costs associated with manual meter reading and maintenance and will be able to track water usage more accurately. Other aspects of this Westminster meter project which were not part of this grant funded portion have also been completed.

Meter Types	Installed
Remove and replace 3/4" Short meters	8,704
Remove and replace 3/4" Regular meters	21,170
Remove and replace 1" meter	1,346
TOTAL METER REPLACEMENTS	31,220

All pay applications for the full meter installation phase (October 2020 – December 2020) with installation costs highlighted have been included as documentation for installation expenditures as part of this 100% project status report.

02/09/2021

Brad Bettale

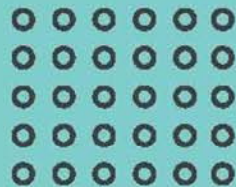
Name/Title

Date



WESTMINSTER

Municipal Service Center
6575 W. 88th Ave.
Westminster, CO 80031



WATER LEAK ALERT!

We've noticed continuous
water use for at least 24 hours
straight in the past month.

PRSR STD
U.S. POSTAGE
PAID
PERMIT NO. 32
WESTMINSTER,
CO 80031

1*1*****ALL FOR AADC 800

Westminster CO 80003-2930





WATER LEAK ALERT!

Dear [REDACTED]

The water meter at [REDACTED] registered continuous water use for at least 24 hours straight in the past month. This may be caused by a leak.

The water meter reported continuous use of 51 gallons an hour for 24 hours in a row on 1/1/2021.

Household leaks are commonly caused by worn toilet flappers and stuck valves in an irrigation system. Learn more about how to diagnose and fix leaks at www.cityofwestminster.us/leak.

After investigating at home, you may contact the city's partner, Resource Central, who can provide additional troubleshooting support through a scheduled phone appointment at no cost. To schedule a free, telephonic leak consultation, call 303-999-3824 or visit ResourceCentral.org/leak.



CONSERVATION MADE EASY