



PUBLIC WORKS & NATURAL RESOURCES

WATER RESOURCES

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Kevin Reidy
Colorado Water Conservation Board (CWCB)
Office of Water Conservation and Drought Planning
131 Sherman Street, Room 721
Denver, CO 80203

January 20, 2017

Subject: City of Longmont Water Conservation Plan – 50% Progress Report

Dear Kevin,

This letter serves as the 50 percent progress report for the City of Longmont (Longmont) 2016-2017 Water Conservation Plan (plan). The City has contracted with CH2M HILL Engineers, Inc. (CH2M) and WaterDM to assist with completing the plan. Work on the project began in early September 2016 and we are now approximately 50 percent complete. As indicated in the grant application, and subsequent PO award from CWCB, work that commenced prior to the grant award on December 27, 2016 will not be included in requests for reimbursement from the City.

Project Tasks Completed

All of the existing data needed to complete the analysis has been given to the CH2M team; since CH2M completed both the 2008 Water Conservation Master Plan and the 2013 Water Conservation Program Evaluation (2013 Evaluation) this data collection process was streamlined. Data received and evaluated to date includes monthly treated water entering the distribution system, monthly meter data for all customer categories, population data through 2015, and other authorized water use for construction water and system flushing. A project meeting was held on October 21, 2016 to discuss the data, current water conservation programs, and future goals for implementation. Based on the data received and discussion at the project meeting we have completed the profile of the existing water system, the profile of water demands, water projections, and are starting to define the conservation goals to select measures and programs.

I have provided Water Conservation Efficiency Plan updates to Longmont's Water Board at monthly meetings in November and December 2016.

Preliminary Findings

Overall the data shows Longmont's system per capita water use continues a decreasing trend and the residential per capita use is holding close to steady. The system per capita use for the last five years averaged 144 gal/capita/day (gpcd), down from the 2008 master plan range of 171 to 213 gpcd from 2001-2007. Residential per capita use for the last five years averaged 95 gpcd, within the range of 93-117 gpcd from the 2008 master plan.

Longmont manages several measures and programs for its customers. The residential rebates for toilets is still a popular program, but based on the 2013 Evaluation and the amount of organic replacement, the City will be evaluating a decrease in the rebate amount and phasing out over time. Funds from the decreased indoor rebates will be re-allocated to popular outdoor programs such as Garden-In-A-Box and Slow the Flow Outdoor Audits. Outdoor audits have been increasingly popular with HOA groups because of recent increases in water rates.

Longmont continues to promote water conservation to prolong the adequacy of its existing water resources, and as appropriate, delay capital construction of new treatment plants, reservoirs and related facilities. The City's primary water treatment plant (WTP), Nelson-Flanders WTP, is scheduled for a capacity increase to 45 MGD by approximately 2020 and then 60 MGD by approximately 2030, depending on demand. This is a large capital expenditure of approximately \$31M depending on the selected alternative.

Next Steps

Next we are proceeding with screening and selection of water conservation measures and programs, calculating the adjustments to the forecast, and developing a recommended implementation plan. I will provide another update to Water Board at the January 23rd meeting, updating the Board on the continued progress of the update and the Water Efficiency Grant. CH2M plans to present an overview of the plan to Water Board at the February 20th meeting. After this meeting the plan would then be provided to the public for the 60-day review.

No revisions to the scope of work or schedule are anticipated at this time. We appreciate the support of CWCB in this effort to update the Water Conservation Master Plan. Please contact me with questions regarding the progress report, contact information provided below.

Regards,

City of Longmont

A handwritten signature in black ink, appearing to read "Nelson Tipton", with a stylized flourish at the end.

Nelson Tipton

Water Resources Analyst