



MEMORANDUM

CWS File #18-160

To: Colorado Water Conservation Board

From: Michelle Hatcher *mdh*, Sira Sartori *ss*

cc: Rick Pickard, City of Evans

Date: March 24, 2020

Subject: 75% Progress Report for City of Evans Municipal Water Efficiency Plan Update

Clear Water Solutions (CWS) is assisting the City of Evans (City of Evans) with its Municipal Water Efficiency Plan Update (Plan) in accordance with State regulations following the *Guidance Document* (dated July 2012) produced by the Colorado Water Conservation Council (CWCB). As discussed in the Scope of Work, this 75% Progress Report includes the following elements:

- The success of meeting previously identified goals and objectives
- Obstacles encountered
- Preliminary findings or accomplishments
- Potential need for revisions to the scope of work and timelines

The City, in coordination with CWS, have made strong progress towards the completion of the goals and objectives outlined in Task 4 of the Scope of Work, which is the selection of water efficiency activities. As described in Task 4 in the Scope of Work, the City completed its third meeting with CWS for the second screening of water efficiency activities on February 10, 2020. The Task budgets have been accurate and no major obstacles have been identified in the development of this Plan. Some of the preliminary findings¹ from Task 4 are outlined in the following paragraphs.

The City's goal was initially to achieve a 10% water savings over the next ten years from water efficiency activities. A cost-benefit analysis of water efficiency activities was performed to determine if the City could achieve its water savings goal and to help the City decide the activities for implementation. The City completed two meetings to screen potential water efficiency activities using qualitative and quantitative criteria. The City evaluated the following activities in a cost-benefit analysis:

¹ Preliminary findings may be revised in the final Plan.

- System Wide Water Audits
- Advanced Metering Infrastructure Installation and Operations
- Water Rate Study - Water Efficient Rate Structure with Regular Updates
- Water Reuse System
- Tap Fees with Water Use Efficiency Incentives (Lot-based water dedication)
- Leak Detection and Repair Program
- Submetering for Mobile Home Parks
- Master Plans/Water Supply Plans/Integrated Water Resource Plans
- Drought Management Plan
- General Monitoring and Verification Activities and General Water Rates and Billing
- Residential Indoor Audits (Slow the Flow Program)
- Residential Irrigation Audits (Slow the Flow Program)
- Commercial Irrigation Audits (Slow the Flow Program)
- Rebates and Retrofit Program - Indoor (Toilet, Washing Machines, Showerhead and Faucet)
- Rebates and Retrofit Program - Outdoor (Wind/Rain Sensors, Efficient Irrigation Equipment)
- Giveaways - Residential Water Audit Kits
- Xeriscape Incentives/Turf Replacement Programs (Garden in a Box Program)
- Distribute Pre-Rinse Spray Heads to Restaurants and Institutions
- Restrict High Water Use Turf on Medians and in Parking Lot Plantings
- Irrigation System Standards for New Developments
- Weekly and Time of Day Outdoor Watering Restrictions
- Water Waste Ordinance
- 10% Lot Restriction
- Requiring Wind and/or Rain Sensors for Business and Open Space Irrigation
- Restrictive Covenants Ordinance
- New Car Wash Standards (New Construction)
- Landscape Design Ordinances and Restrictions
- Public Education (Newsletter, Webpage, Interactive Website, Social Media, etc.)
- Post or Distribute ET Irrigation Scheduling
- K-12 Teacher and Classroom Education Programs
- Property Management/HOA Irrigation Education Training
- Children's Water Fair or Festival
- Citizen Advisory Boards
- Xeriscape Demonstration Garden

These activities represent a combination of Foundational Activities, Targeted Technical Assistance and Incentives, Ordinances and Regulations and Education Activities, as defined in the CWCB's *Statewide Water Supply Initiative 2010*. Evans has the potential to save up to 17% of the total treated water demand over the planning period of ten

years if these activities are implemented. Treated water in the City is used for both indoor and outdoor uses. Evans has the potential to save up to 15% of the total non-potable water demand over ten years. Non-potable water is used for irrigation during the summer months when their irrigation water rights are in-priority and diverting water.

Water savings from these activities would meet and exceed the City's 10% goal. The majority of water savings (approximately 70%) occurs in the residential customer category as residential water use is the largest in the City at over 70% of the treated water use. The residential customer category includes single-family and multi-family homes.

The City's qualitative screening goals to evaluate the cost-benefit include:

- Financial implications
- Staff availability
- Staff and City Council approval
- Partnership possibility (especially with the City of Greeley)

After the cost-benefit analysis, Evans decided to keep all the water efficiency activities in the Plan except for the 'Submetering for Mobile Home Parks' as the staff indicated the City doesn't have an interest in this activity. All the other activities evaluated will be included in the Plan.

Next, the City will progress Tasks 5 and 6 in the Scope of Work, including development of the implementation and monitoring plan, public review process, and adoption of the final Plan. The schedule has been delayed since the Scope of Work as the City has spent time to closely evaluate the water efficiency activities its staff and council would like to evaluate and select. **Table 1** is an update to the plan timeline from the previous 50% Progress Report.

Table 1: Plan Timeline

Task	Date
Submit 75% progress report to CWCB	3/24/2020
Submit draft Plan to staff for review and comment	4/20/2020
Staff provides comment from review	5/11/2020
Submit draft Plan to Council for review	5/22/2020
Present draft Plan at City Council meeting and collect comments	6/2/2020
Notify public of draft Plan in paper and website	6/3/2020
Public review period (60 days)	8/2/2020
CWS incorporates public comments	8/10/2020
City Council formally adopts final Plan	8/18/2020
CWS submits final Plan to CWCB	8/19/2020
CWCB approves final Plan	up to 90 days

*Blue is estimated date.