



MEMORANDUM

CWS File #14-130

To: Ben Wade, CWCB

From: Nathan Alburn *NSA*, Michelle Hatcher *MH*

cc: Mike DiTullio, Terry Farrill, Kathy Hawkins – Fort Collins-Loveland Water District

Date: June 29, 2015

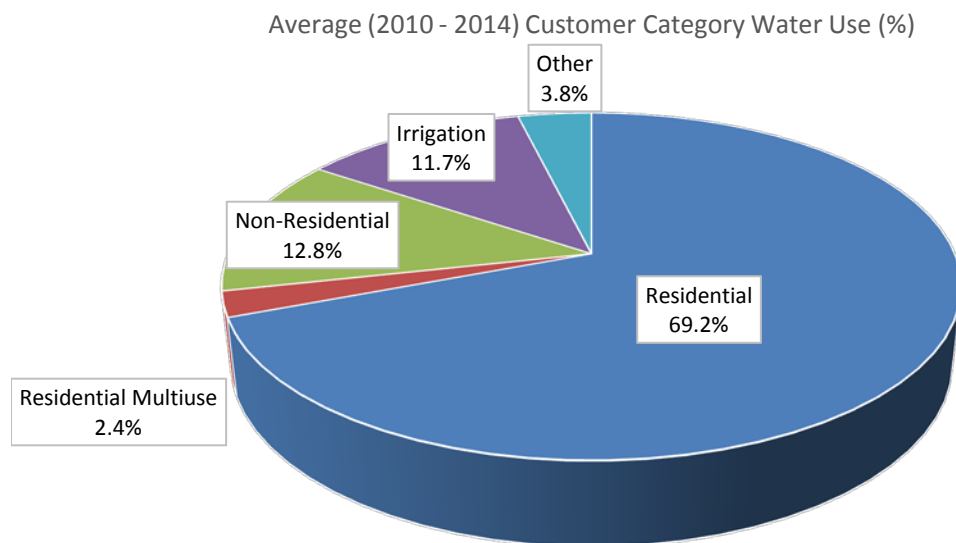
Subject: 50% Progress Report for Fort Collins-Loveland Water District Municipal Water Efficiency Plan

Clear Water Solutions (CWS) is assisting the Fort Collins-Loveland Water District (FCLWD or District) with updating their Municipal Water Efficiency Plan (Plan) in accordance with State regulations following the Guidance Document (dated July 2012) produced by the Colorado Water Conservation Board. The Guidance Document outlines six steps in the water conservation planning process. To date, CWS and FCLWD have made strong progress towards the completion of Steps 1-3 which include initial discussions with District Staff on water efficiency activities.

FCLWD delivered 8,095 acre-feet of potable water in 2014 to a population of approximately 42,490 residents. FCLWD relies on two main sources of water, units of Colorado-Big Thompson (C-BT) Project water and native shares from various ditches that divert from the Cache la Poudre River. The District receives its treated water from the Soldier Canyon Filter Plant, (SCFP) which is jointly owned by the Tri-Districts; FCLWD, North Weld County Water District, and East Larimer County Water District. Water is delivered to the plant from Horsetooth Reservoir which is part of the C-BT Project. The District can also bring water to SCFP through the jointly owned Pleasant Valley Pipeline. The District then distributes its portion of the treated water to its customers through approximately 390 miles of pipeline.

FCLWD water tracking system separates water usage into five different customer categories: Residential, Non-Residential, Residential Multi-Use, Irrigation, and Other. The following figure breaks out the water usage per customer category as a percentage of the total use of a five year average (2010 – 2014). Residential is by far the largest customer category utilizing approximately 69.2% of the treated water.

*Fort Collins-Loveland Water District Municipal Water Efficiency Plan Update
50% Progress Report
June 29, 2015*



Prior to and through their current Municipal Water Efficiency Plan, FCLWD has established the following water efficiency activities:

Historical and Current Water Efficiency Activities
Foundational Activities
<i>Automatic Meter Reading (AMR) Installation and Operations</i>
<i>Submetering for Large Users (Indoor and Outdoor)</i>
<i>Meter Testing and Replacement</i>
<i>Meter Upgrades</i>
<i>Frequency of Meter Reading/Billing (monthly – 4 billing cycles). Meters are capable of four readings per day.</i>
<i>Tracking Water Use by Customer Type</i>
<i>Upgraded Billing System to Track Use by Sufficient Customer Types</i>
<i>Tracking Water Use for Large Customers</i>
<i>Volumetric Billing</i>
<i>Water Rate Adjustments – currently in progress of analyzing water rates</i>
<i>Inclining/Tiered Rates</i>
<i>System Wide Water Audits</i>
<i>Leak Detection and Repair</i>
<i>Recycling WTP filter backwash</i>
<i>Integrated Water Resources Plans</i>
<i>Master Plans/Water Supply Plans</i>
<i>Feasibility Studies</i>

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CWS and FCLWD's staff are currently working to determine the water savings evident from implementation of these activities. FCLWD has an overall goal of a 10% water savings. The District and CWS have done an initial screening and are also in the process of determining water efficiency activities for the Plan update. The next step includes performing a feasibility and cost/benefit analysis of the selected activities for further evaluation by the District.

To date our budget estimates for each step have been fairly accurate. The dates of our original schedule have changed considerably. We have updated the schedule, and the new schedule is included in the following table.

Task	Date
Grant application submitted to CWCB	10/17/2014
CWCB approves grant and PO issued	10/30/2014
1 st Meeting: Overview and Activities meeting with staff	6/29/2015
Submit 50% progress report to CWCB	6/29/2015
Submit 75% progress report to CWCB	8/10/2015
Submit draft plan to staff for review and comment	8/31/2015
Staff provides comment from review	9/14/2015
Submit draft report to Board for review	9/28/2015
Present draft report at Board meeting and collect comments	10/20/2015
Notify public of draft plan in paper and website	10/21/2015
Public review period (60 days)	12/21/2015
FCLWD provides public input comments to CWS	12/22/2015
CWS incorporates public comments	1/6/2016
Board formally adopts final report	2/16/2016
CWS submits final report to CWCB	2/17/2016
CWCB approves final report	up to 90 days