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## MEMORANDUM

CWS File #14-160

To: Ben Wade, CWCB

From: Michelle Hatcher *mdh*

cc: Chris Smith, Meghan Connolly, Betsy Wheeler – Left Hand Water District

Date: December 8, 2014

Subject: 50% Progress Report for Left Hand Water District Municipal Water Efficiency Plan

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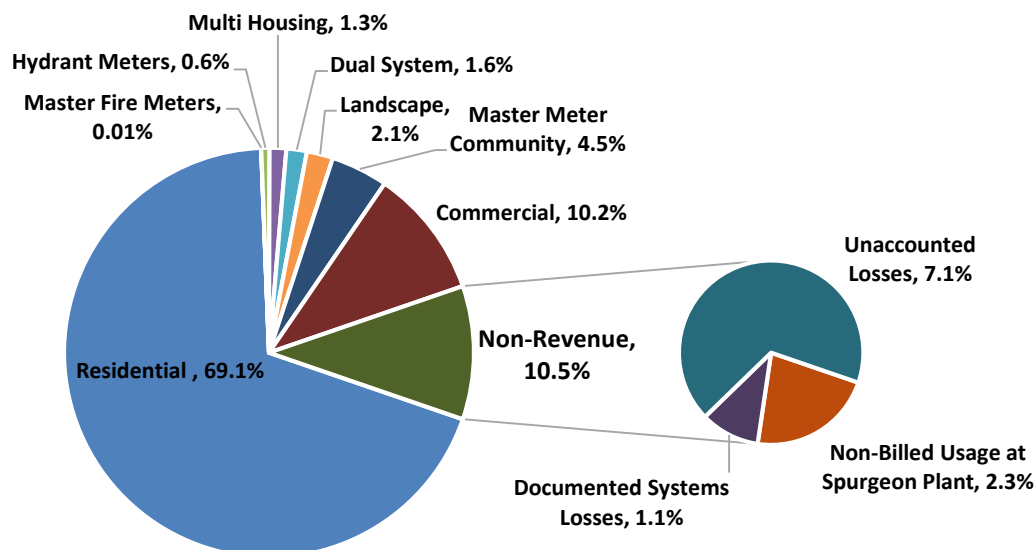
Clear Water Solutions (CWS) is assisting the Left Hand Water District (LHWD or District) with updating their Municipal Water Efficiency Plan in accordance with State regulations following the Guidance Document (dated July 2012) produced by the Colorado Water Conservation Board. The Guidance Document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

LHWD delivered 3,568 acre-feet of potable water in 2013 to a population of approximately 19,258 residents. The District relies on two sources of water, shares of capital stock in the Left Hand Ditch Company (LHDC) and the Colorado-Big Thompson (C-BT) Project. The District treats water from both sources in one of its two treatment plants and delivers potable water to the District's customers through a network of approximately 250 miles of distribution lines.

LHWD's water tracking system separates water usage into six customer categories: Residential, Commercial, Multi Housing, Dual System, Landscape, Master Meter Community, Master Fire Meters, and Hydrant Meters. The figure below breaks out the water usage per customer category as a percentage of the total use for a five-year average (2009 – 2013). It shows the Residential category is the largest at approximately 69.1% of total usage.

Left Hand Water District Municipal Water Efficiency Plan Update  
50% Progress Report  
December 8, 2014

### Water Usage Categories



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

Historical and Current Water Efficiency Activities	
Foundational Activities	
<a href="#">Meter Testing and Replacement</a>	
<a href="#">Meter Upgrades</a>	
<a href="#">Identifying Unmetered/Unbilled Treated Water Uses</a>	
<a href="#">Tracking Water Use by Customer Type</a>	
<a href="#">Upgrading Billing System to Track Use by Sufficient Customer Types</a>	
<a href="#">Tracking Water Use for Large Customers</a>	
<a href="#">Tap Fees with Water Use Efficiency Incentives (small lots)</a>	
<a href="#">Three-tier Rate Structure with Regular Updates to Rate Study</a>	
<a href="#">System Wide Water Audits</a>	
<a href="#">Control of Apparent Losses (with Metering)</a>	
<a href="#">Leak Detection and Repair</a>	
<a href="#">Water Line Replacement Program</a>	
<a href="#">Recycling WTP Filter Backwash</a>	
<a href="#">Leak Detection Program in Mobile Home Parks</a>	
<a href="#">Master Plans/Water Supply Plans</a>	
<a href="#">Capital Improvement Plans</a>	
Targeted Technical Assistance and Incentives	
<a href="#">Slow the Flow Indoor Residential Audit and Fixture Replacement</a>	
<a href="#">Slow the Flow Commercial and Residential Irrigation Audits</a>	
<a href="#">Commercial Indoor Water Audits and Fixture Replacement</a>	
<a href="#">Rebate for Low-Flow Toilets</a>	
<a href="#">Rebate for High Efficiency Clothes Washers</a>	
<a href="#">Rebate for ET Irrigation System Controllers</a>	
Ordinances and Regulations	
<a href="#">Time of Day Watering Restriction (Voluntary)</a>	

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Education Activities
<a href="#">Bill Stuffers</a>
<a href="#">Newsletter</a>
<a href="#">Newspaper/Magazine Articles</a>
<a href="#">Mass Mailings</a>
<a href="#">Website</a>
<a href="#">Social Networking (e.g. Facebook, Website)</a>
<a href="#">Landscape Design (Xeriscape) and Maintenance Classes</a>
<a href="#">Xeriscape Demonstration Garden</a>

CWS and District staff are currently working to determine the water savings evident from implementation of these activities. The District has an overall goal of a 10% water savings. The District and CWS have done an initial screening and are 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. We are, however, a little behind our original schedule which we have updated in the following table.

Task	Date
Grant application submitted to CWCB	8/13/2014
CWCB approves grant and PO issued	9/10/2014
Kick-off meeting with staff	9/30/2014
Submit 50% progress report to CWCB	12/8/2014
Submit 75% progress report to CWCB	<a href="#">1/8/2015</a>
Submit draft plan to staff for review and comment	<a href="#">1/26/2015</a>
Staff provides comment from review	<a href="#">2/2/2015</a>
Submit draft report to Board for review	<a href="#">2/16/2015</a>
Present draft report at Board meeting and collect comments	<a href="#">2/26/2015</a>
Notify public of draft plan in paper and website	<a href="#">2/27/2015</a>
Public review period (60 days)	<a href="#">4/28/2015</a>
District provides public input comments to CWS	<a href="#">4/30/2015</a>
CWS incorporates public comments	<a href="#">5/8/2015</a>
Board formally adopts final report	<a href="#">5/14/2015</a>
CWS submits final report to CWCB	<a href="#">5/18/2015</a>
CWCB approves final report	<a href="#">up to 90 days</a>