



## 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: January 12, 2015

Subject: 75% Progress Report for Left Hand Water District Municipal Water Efficiency Plan

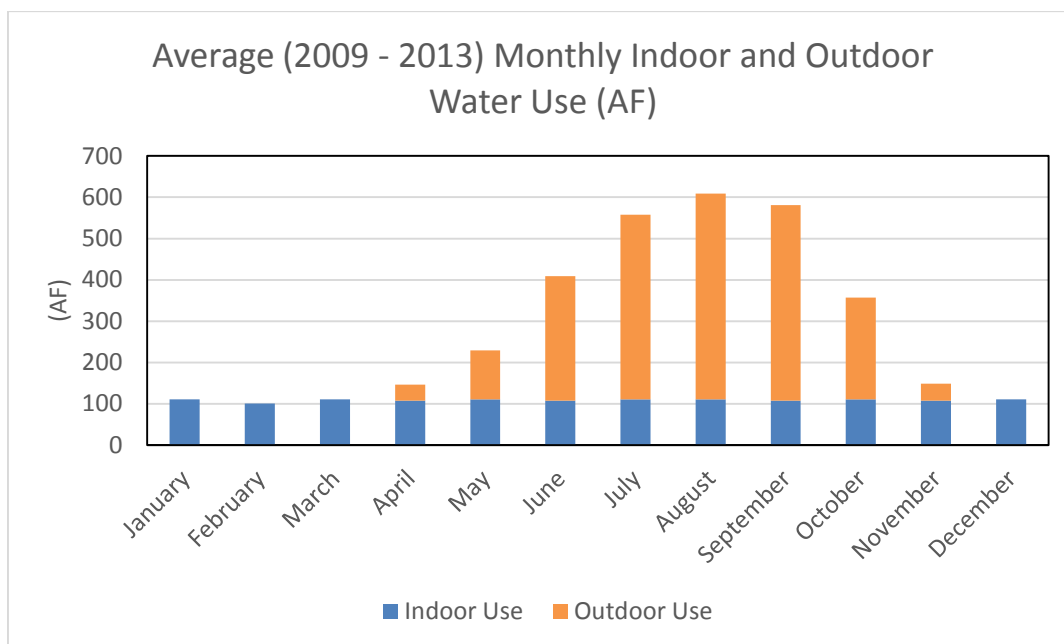
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Clear Water Solutions (CWS) is continuing to assist the Left Hand Water District (LHWD or District) with updating their Municipal Water Efficiency Plan (Plan) in accordance with State regulations following the Guidance Document (dated July 2012) produced by the Colorado Water Conservation Board (CWCB). The Guidance Document outlines six steps in the water conservation planning process. To date, the District has made significant progress towards the completion of Steps 1-4 which includes initial discussions with District Staff on water efficiency activities. CWS has already met with the District staff two times during the planning process. Currently we have made a preliminary selection of the Water Efficiency Activities and are in the process of finalizing them with the cost/benefit analysis. The next planning meeting with LHWD is scheduled for this week.

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.

Among the various analyses performed during the Plan update, CWS has separated out and estimated the District's indoor versus their outdoor water use. The following chart is a bar graph that contains the District's average monthly indoor and outdoor water use.

*Left Hand Water District Municipal Water Efficiency Plan Update  
75% Progress Report  
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The District and CWS staff have selected preliminary activities to continue and some new ones to add, but these are subject to change after meeting with the District staff and reviewing the associated water savings and anticipated costs. CWS and District staff are currently working to determine the water savings evident from the implementation of these activities, some of which were implemented as early as 1985. These activities are presented in the following table.

Water Efficiency Activities for Evaluation	Existing/ Potential Activity	Targeted Customer Category
<b>Foundational Activities</b>		
<i>Meter Testing and Replacement</i>	E	Non-Revenue Water
<i>Meter Upgrades</i>	E	All Categories
<i>Identify Unmetered/Unbilled Treated Water Uses</i>	E	Non-Revenue Water
<i>Water Efficiency Rate Structure with Regular Updates to Rate Study</i>	E	Res, Com, M-F, Dual, Land, Master
<i>Leak Detection and Repair</i>	E	Non-Revenue Water
<i>Leak Detection Program in Mobile Home Parks</i>	E	Master (Non-Revenue Water)
<i>Water Line Replacement Program</i>	E	Non-Revenue Water
<i>Recycling WTP Filter Backwash</i>	E	Non-Revenue Water
<i>Master Plans/Water Supply Plans</i>	E	All Categories
<b>Targeted Technical Assistance and Incentives</b>		
<i>Irrigation Equipment Retrofits</i>	P	Res, Com, Land
<i>Slow the Flow Commercial and Residential Irrigation Audits</i>	E	Res, Com, Land
<i>Rebate for Low-Flow Toilets</i>	E	Res, M-F
<i>Water Efficient Washing Machine Rebates</i>	E	Res, M-F
<i>Rebate for ET Irrigation System Controllers</i>	E	Res, Com, Land
<b>Ordinances and Regulations</b>		
<i>Time of Day Watering Restriction</i>	E	Res, Com, Land

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Education Activities		
<a href="#">Bill Stuffers</a>	E	Res, Com, M-F, Dual, Land, Master
<a href="#">Newsletter</a>	E	
<a href="#">Newspaper Articles</a>	E	
<a href="#">Mass Mailings</a>	E	
<a href="#">Website</a>	E	
<a href="#">Social Networking (e.g., Facebook)</a>	E	
<a href="#">Landscape Design (Xeriscape) and Maintenance Classes</a>	E	Res, Com, Land
<a href="#">Xeriscape Demonstration Garden</a>	E	Res, Com, Land

We anticipate finalizing the selected activities in the next couple of weeks (or as schedules allow). The next step will involve the implementation of the selected activities, the monitoring plan, and submitting a draft play to the District staff.

To date our budget estimates for each step have been fairly accurate. Our last schedule from the 50% Progress Report appears realistic. Some dates were adjusted slightly, but it may need further adjustments depending on individuals' schedules.

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	1/12/2015
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="#">2/9/2015</a>
Present draft report at Board meeting and collect comments	<a href="#">2/19/2015</a>
Notify public of draft plan in paper and website	<a href="#">2/20/2015</a>
Public review period (60 days)	<a href="#">4/21/2015</a>
District provides public input comments to CWS	<a href="#">4/23/2015</a>
CWS incorporates public comments	<a href="#">5/1/2015</a>
Board formally adopts final report	<a href="#">5/21/2015</a>
CWS submits final report to CWCB	<a href="#">5/25/2015</a>
CWCB approves final report	<a href="#">up to 90 days</a>