



## MEMORANDUM

CWS File #14-100

To: Ben Wade, CWCB

From: Michelle Hatcher *myH*

cc: Wes LaVanchy & Julie Pasillas – Town of Firestone

Date: October 29, 2014

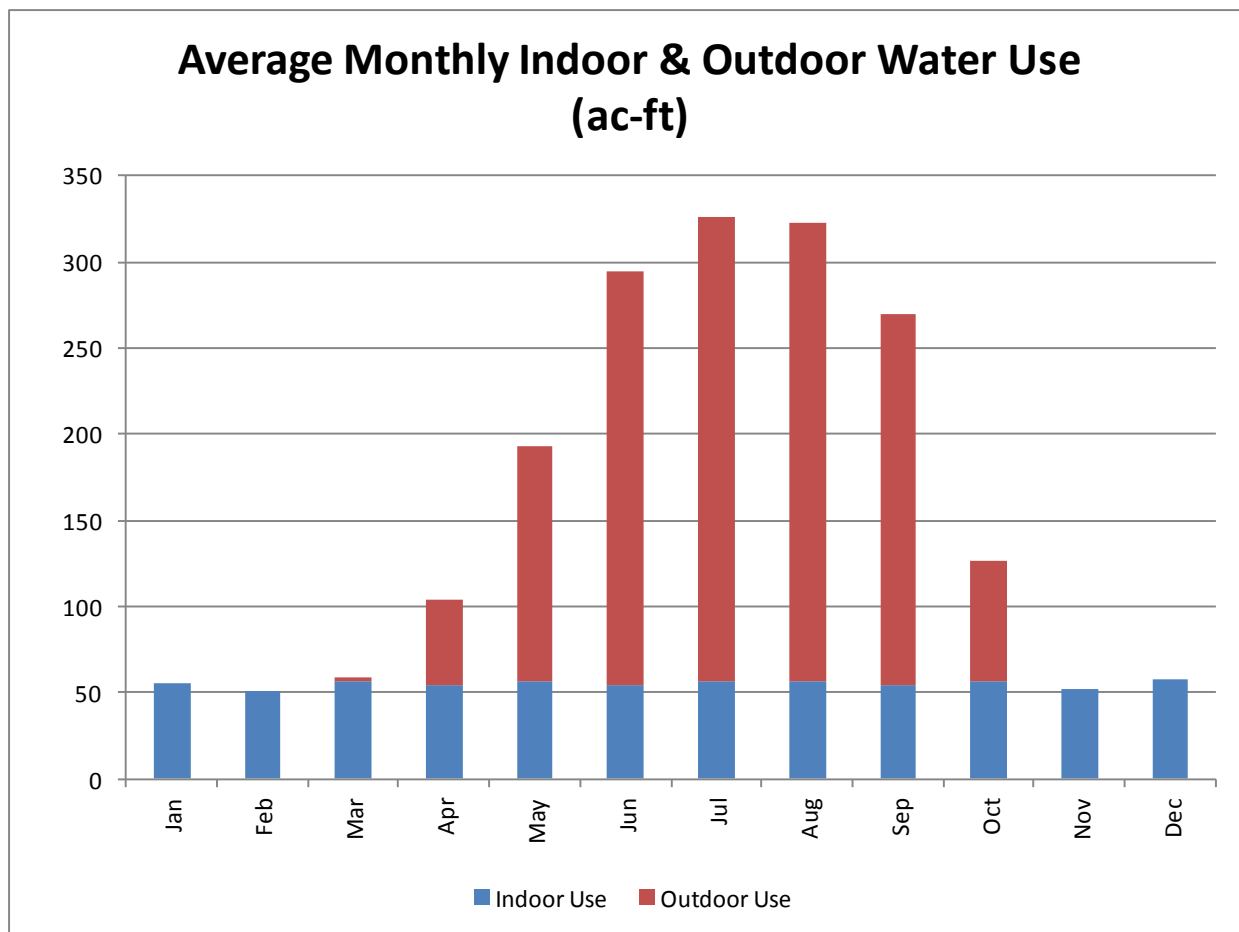
Subject: 75% Progress Report for Town of Firestone Municipal Water Efficiency Plan

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Clear Water Solutions (CWS) is assisting the Town of Firestone 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 Town has made progress towards completion of Steps 1-4 which includes initial discussions with Town Staff on water efficiency activities. CWS has met with the Town staff already 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 Firestone will be scheduled soon.

Firestone delivered 1,799 acre-feet of potable water in 2013 to a population of approximately 10,962 residents. The Town's water supply consists solely of Colorado-Big Thompson (CBT) units. This water is treated and supplied to the Town by Central Weld County Water District (Central Weld), a wholesale water provider. The Town of Firestone transfers the CBT water it owns to Central Weld on an annual basis for Central Weld to treat and deliver up to the master meters.

CWS has separated out and estimated the Town's indoor versus their outdoor water use. The chart below is a bar graph that contains the Town's average monthly indoor and outdoor water use.



The Table in the 50% Progress Report listing the historical and existing water efficiency activities has been updated and is shown on the next page.

*Town of Firestone Municipal Water Efficiency Plan Update*  
*75% Progress Report*  
*October 29, 2014*

<b>Historical and Existing Water Efficiency Activities</b>
<b>Foundational Activities</b>
<i>Automatic Meter Reading Installation and Operations</i>
<i>Meter Upgrades</i>
<i>Water Efficient Rate Structure with Regular Updates to Rate Study</i>
<b>Targeted Technical Assistance and Incentives</b>
<i>Irrigation Audits for Town Parks</i>
<i>Installation of Water Efficient Irrigation Controls on Park Irrigation Systems</i>
<i>Toilet Rebates</i>
<i>Water Efficient Washing Machine Rebates</i>
<i>Give-Aways</i>
<b>Ordinances and Regulations</b>
<i>Time of Day Watering Restriction (Voluntary)</i>
<i>Water Waste Ordinance</i>
<i>Rain Sensors Installed On New Properties</i>
<i>Wind Sensors Installed On New Properties Greater than 1 Acre</i>
<b>Education Activities</b>
<i>Water Efficiency Page on Town Website</i>
<i>Historic Water Usage Provided on Water Bills</i>
<i>Bill Stuffers</i>
<i>Newsletter</i>
<i>K-12 Teacher and Classroom Education Programs</i>
<i>Water Booth at Town Events</i>
<i>Social Networking (e.g. Facebook)</i>
<i>Customer Surveys</i>

CWS and Town staff are currently working to determine the water savings evident from implementation of these activities, some of which were implemented as early as 2004.

The Town 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 Town staff and reviewing the associated water savings and anticipated costs. These activities are presented on the next page.

*Town of Firestone Municipal Water Efficiency Plan Update*  
*75% Progress Report*  
*October 29, 2014*

Water Efficiency Activities for Evaluation	Existing/ Potential Activity	Targeted Customer Category
<b>Foundational Activities</b>		
<i>Automatic Meter Reading Installation and Operations</i>	E	Res, M-F, Com, Ind, Open Space
<i>Proactive Meter Testing and Replacement</i>	P	All Categories
<i>Water Efficiency Rate Structure with Regular Updates to Rate Study</i>	E	Res, M-F, Com, Ind, Open Space
<i>System Wide Water Audits</i>	P	System Losses
<i>Water Line Replacement Program</i>	P	System Losses
<b>Targeted Technical Assistance and Incentives</b>		
<i>Installation of Water Efficient Irrigation Controls on Park Irrigation Sys</i>	E	Parks
<i>Installation of Water Efficient Irrigation Controls on HOA Irrigation Sys</i>	P	Open Space
<i>Toilet Rebates</i>	E	Res
<i>Give-Aways</i>	E	Res, M-F, Com
<b>Ordinances and Regulations</b>		
<i>Rain Sensors Installed on New Properties</i>	E	Res, M-F, Com, Open Space
<i>Wind Sensors Installed On New Properties Irrigating more than 1-Acre</i>	E	Res, M-F, Com, Open Space
<b>Education Activities</b>		
<i>Bill Stuffers</i>	E	Res, M-F, Com, Ind
<i>Historic Water Usage Provided on Water Bills</i>	E	Res, M-F, Com, Ind
<i>Newsletter</i>	E	Res, M-F, Com, Ind
<i>Water Efficiency Page on Website</i>	E	Res, M-F, Com, Ind
<i>K-12 Teacher and Classroom Education Programs</i>	E	Res, M-F

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 and the monitoring plan.

To date our budget estimates for each step have been fairly accurate. We are however, a little behind schedule, which we have updated in the following table.

*Town of Firestone Municipal Water Efficiency Plan Update*  
*75% Progress Report*  
*October 29, 2014*

Task	Date
Grant application submitted to CWCB	2/27/2014
CWCB approves grant and PO issued	5/6/2014
Kick-off meeting with Town staff	7/15/2014
Submit 50% progress report to CWCB	8/18/2014
Meeting No. 2 with Town of Firestone staff	9/25/2014
Submit 75% progress report to CWCB	10/27/2014
Submit draft plan to staff for review and comment	11/18/2014
Staff provides comment from review	12/2/2014
Submit draft report to Town Board for review	12/9/2014
Present draft report at Town Board meeting and collect comments	12/10/2014
Notify public of draft plan in paper and website	12/12/2014
Public review period (60 days)	2/10/2015
Town provides public input comments to CWS	2/11/2015
CWS incorporates public comments	2/13/2015
Town Board formally adopts final report	2/25/2015
CWS submits final report to CWCB	2/26/2015
CWCB approves final report	up to 90 days