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MEMORANDUM

CWS File #12-300

To: Kevin Reidy, CWCB
From: Michelle Hatcher
cc: Yasser Abouaish, City of Englewood Utilities Engineer
Date: November 16, 2012
Subject: 50% Progress Report for City of Englewood Water Conservation Plan

Clear Water Solutions (CWS) is assisting the City of Englewood with developing a Water Conservation Plan in accordance with State regulations following the Guidance Document (dated May 2005) produced by the Colorado Water Conservation Board. The Guidance Document outlines nine steps in the water conservation planning process. To date, the City has made progress towards completion of Steps 1-5 which includes identifying water conservation measures of interest to the City.

Englewood delivered 5,718 acre-feet of potable water in 2011 to a population of approximately 30,255 residents. The City's potable water supply consists of several ditches and reservoirs as listed in the table on the next page. Several of these water rights are very senior and divert from the South Platte River at Union Avenue. Englewood also owns transmountain water rights which originate from the Blue River basin on the west side of the continental divide and are transferred through two separate delivery systems: the Boreas Ditch, and Denver's Moffat Tunnel system.

Englewood's water tracking system separates water usage into ten customer categories: single family, multi-family, commercial, industrial, schools – outside, municipal, special handling, Englewood schools, car wash, and mobile home park. Every quarter of the year, the City also reports on an additional category called "Mixed use residential and commercial." The residential and commercial categories are billable through the City's current flat rate water rate structure.

The City already has established some basic water conservation measures and programs including but not limited to the following: public information, metering, and water reuse.

Firm Source Water Owned by the City of Englewood

Water Source	acre- feet/year
From Union Ave.	
Nevada Ditch #4	6,071
Nevada Ditch #19	3,830
Platte Canyon Ditch #14	723
Petersburg Ditch #6	920
Sub Total	11,544
Other	
Nevada Ditch #4	409
Nevada Ditch #19	105
McBroom Ditch #1	227
Ranch Creek	2,320
Boreas Ditch	175
Brown Ditch #9	41
Dunbar Ditch #3	36
Guiraud Ditch #6	63
City Ditch #1	1,361
Aurora Delivery Obligation	509
J.D. Brown Ditch #207	109
Total	16,899
Water Stored	
North Res.	245
WWRes	43
McLellan	2,000
Total	2,288

The City selected their water conservation measures and programs based on financial feasibility as well as having limited staff availability to perform some of the programs. During the first screening phase, Englewood selected 27 of approximately 80 measures from the universal list developed by CWS. Additionally, on November 13th CWS met with Water and Sewer Board to review the measures selected by Englewood Staff. The Board has been given the opportunity to comment on the initial selection as well as add any measures and programs. The next step includes performing a cost-benefit analysis on the selected measures for further evaluation by the City.

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.

Englewood Water Conservation Plan
50% Progress Report
November 16, 2012

Deliverable	Date
Grant application submitted to CWCB	5/24/2012
CWCB approves grant and P.O. issued	7/21/2012
Meeting with Consultant to coordinate task delivery	9/19/2012
Submit 50 % progress report to CWCB	11/16/2012
Submit 75% progress report to CWCB	12/5/2012
Submit final draft to Water & Sewer Board and City Council for review	1/10/2013
Collect Water & Sewer Board and City Council Comments	1/24/2013
Notify public of draft plan in official newspaper	2/8/2013
Public review period (60 days)	5/1/2013
Council formally adopts final draft	5/20/2013
Submit final plan to CWCB	5/21/2013
CWCB approves plan (60 days)	7/22/2013