

## **PROGRESS REPORT - 50% PLAN COMPLETION**

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**PREPARED FOR:** Colorado Water Conservation Board  
Cherokee Metropolitan District  
Water Conservation Plan

October 29, 2014

**Contract Agreement Number: PO PDAA 20150000000000000006**

**TO:** Ben Wade  
**FROM:** Conner Burba, EI

### **1.0 INTRODUCTION**

This progress report is submitted on behalf of the Cherokee Metropolitan District (CMD) for the 2015 Water Conservation Plan funded under the Water Efficiency Grant Program. CMD's previous Water Conservation Plan was adopted in 2007. The 2015 Water Conservation Plan will evaluate and report on the success of measures recommended and implemented in the 2007 Plan, recommend water efficiency measures moving forward with a goal of a 3 to 5 percent reduction in usage, develop a plan to implement and monitor those measures, and meet current state conservation plan requirements implemented by the Colorado Water Conservation Board (CWCB). The following outlines the progress made on the 2015 Water Conservation Plan.

### **2.0 OVERALL PROGRESS WITH PREVIOUSLY IDENTIFIED GOALS AND OBJECTIVES**

Forsgren Associates (FA) is under contract with CMD to help develop the 2015 Water Conservation Plan. FA has begun drafting the 2015 Water Conservation Plan to be submitted for public/stakeholder feedback. An introduction has been written which includes a description of the service area, general description of CMD's water supply and water system, as well as additional background information. The purpose of the 2015 Water Conservation Plan is detailed fully within this section and provides insight on some of the goals CMD wishes to accomplish with this 2015 Water Conservation Plan. The existing water supply system, water supply reliability, and future needs of the CMD have been thoroughly researched and analyzed. The associated sections in the draft report are complete. A more detailed description of the service area, including historical water demands, tap information, and water usage was assessed and summarized. In addition, future anticipated demands were assessed and detailed in the report.

With respect to assessing success of prior water conservation measures and recommended measures moving forward, FA has identified which water conservation measures have been previously implemented and have detailed the findings in the draft report. Utilizing multiple

resources, including previously implemented water conservation plans as well as the Guidebook of Best Practices for Municipal Water Conservation in Colorado provided by Colorado WaterWise, a comprehensive list of 13 feasible alternatives was developed. A detailed spreadsheet of what is involved in each of the alternatives, as well as the potential water savings, implementation strategies, and program costs was developed to assist in the development of the associated sections in the report. The information gathered and compiled in this spreadsheet has been transferred to the draft report and has been written in full.

### **3.0 OBSTACLES ENCOUNTERED**

Through our preliminary analysis of the current water system and the various water conservation measures to consider, there have been no obstacles that have been encountered that have prevented our analysis and development of the 2015 Water Conservation Plan.

### **4.0 PRELIMINARY FINDINGS AND ACCOMPLISHMENTS**

An in-depth look at the feasible alternatives has been conducted by FA. These have been described in detail and include the benefits associated with each, the goals of the various water conservation measures, anticipated costs and anticipated water savings. From this data, FA has developed a recommended set of water conservation measures that is anticipated to reduce overall water use within the CMD service area by 3 to 5 percent. FA plans to meet with CMD within the next few weeks in order to go through the recommended options and determine how CMD would like to proceed. Once the water efficiency activities have been discussed and multiple alternatives selected,

### **5.0 POTENTIAL NEED FOR REVISION TO SCOPE AND TIMELINES**

Recently, Will Koger at Forsgren Associates spoke with Ben Wade regarding the original schedule that was proposed and requested an extension on the schedule in order for Forsgren Associates to take a more in-depth look at conservation options and develop a more complete and substantial 2015 Water Conservation Plan. See below for the revised schedule.

<b>Milestone Activity</b>	<b>Original Milestone Date</b>	<b>Revised Milestone Date</b>
Notice to Proceed	7/22/2014	7/22/2014
Draft Water Conservation Plan	9/23/2014	11/21/2014
Submit Draft for Public/Stakeholder Feedback	9/23/2014	11/21/2014
Submit 50% Progress Report to CWCB	9/30/2014	10/24/2014
Public/Stakeholder Feedback Deadline	10/30/2014	1/9/2015
Presentation to District Board	11/11/2014	1/13/2015
Submit 75% Progress Report to CWCB	11/18/2014	1/22/2015
Feedback Review Meeting	11/19/2014	1/23/2015
Final Water Conservation Plan	12/10/2014	2/13/2015

Please feel free to contact Steve Simon at Forsgren Associates at 858-357-5813 for any questions regarding the progress of the 2015 Water Conservation Plan.

Sincerely,



Steve Simon, P.E.  
Senior Engineer