



**Wright Water Engineers, Inc.**

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January 11, 2019

**Ben.wade@state.co.us**

Ben Wade  
Water Conservation Coordinator  
Colorado Water Conservation Board  
1313 Sherman St. Room 718  
Denver, CO 80203

Re: Town of Olathe Water Efficiency Plan 75 Percent Progress Report

Dear Mr. Wade,

On behalf of the Town of Olathe (Town), Wright Water Engineers, Inc., (WWE) is pleased to present the 75 percent progress report for the Town of Olathe Water Efficiency Grant – (POGGI PDAA 201800000697).

**Task 1 – Profile Existing Water System**

WWE has completed the task of profiling the Town's existing water system.

**Task 2 – Profile of Water Demands and Historical Demand Management**

Since the 50 percent progress report WWE worked with the Town to perform Quality Assurance/Quality Control (QA/QC) on Project 7 water deliveries to the Town and on the Town's municipal water billing records. Good progress was made through this QA/QC exercise and WWE may now be able to more reasonably quantify delivery system losses.

From the Town's municipal water billing records WWE also identified the top 10 municipal water users. While the specific top 10 municipal water users will not be identified in the Water Efficiency Plan (WEP), the top use sectors will be identified.

WWE has refined the Town's 50-year projected annual water demand forecast by the year 2068. WWE has also projected when the Town will reach its annual 300-AF per-year allocation under various water efficiency assumptions.

**Task 3 – Integrated Water Supply, Water Efficiency and Land Use Planning and Water Efficiency Benefits and Goals**

WWE and Town Officials met on November 2<sup>nd</sup> to discuss potential water efficiency goals for the WEP. The Town selected the following water efficiency goals:

1. Reduce delivery losses of purchased Project 7 water.

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2. Ensure accurate measurements of billed municipal water and purchased Project 7 water.
3. Preserve the Town's Pre-Colorado Compact Legacy Water Rights (Legacy Water Rights).
4. Reduce unbilled water use and water theft.
5. Provide information on how increased water efficiency affects the development schedule, both in timing and amount, of increasing the Town's future water supply.

WWE is in the process of quantifying potential water savings from implementing various water efficiency measures which are in line with the selected water efficiency goals.

#### **Task 4 – Select Water Efficiency Activities**

During the November 2<sup>nd</sup> meeting the Town selected the following water efficiency activities for the WEP:

1. Update municipal water billing structure to promote water efficiency.
2. Perform a leak detection survey on the Town's delivery system.
3. Replace aging water meters with modern automated water meters.

#### **Task 5 – Develop Implementation Plan**

As part of the implementation plan WWE and the Town will plan public outreach to communicate the importance of successful water conservation and efficiency for the Town's future water supply. The public outreach will also aim to convey incentives for meeting the water efficiency goals.

WWE will meet with Town Officials within the next several weeks to discuss anticipated period for implementing the efficiency activities, methods to implement the efficiency activities, anticipated cost and potential funding sources, and a plan for monitoring effectiveness of the water efficiency activities once implemented.

#### **Task 6 – Public Review and Approval Process**

This task is not yet underway. Once Task 5 is near completion work on Task 6 will begin.


After a draft WEP is complete and has been reviewed by the Town, the draft WEP will be made available to the public for review. Several days later there will be a public meeting in Olathe with WWE and Town Officials to receive public comment and address questions on the draft WEP. Next, WWE will incorporate public comments as appropriate and then finalize the WEP. This task is tentatively scheduled to wrap up by mid-May, 2019.

In addition to compiling information and data from Town Officials, WWE has started writing the draft WEP and creating maps and tables of relevant information, and incorporating new information as it is received.

Please let me know if you have any questions or need any further information regarding the current status of the Town of Olathe WEP.

Sincerely,

WRIGHT WATER ENGINEERS, INC.

By   
Ben Von Thaden,  
Hydrologist

Cc:

Patty Gabriel  
Scott Eklund  
Wayne Trounce  
Peter Foster  
Hayes Lenhart