



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: February 17, 2020

Re: Supplemental Memo – Ordinance to approve the water conservation program and appropriate funds

Executive Summary

A supplemental memo is being provided by Staff to include an amendment sheet to correct an error in an account number for the appropriation of funds for the water conservation program and to include a water usage map that was omitted from the original council memo in the Outdoor Water Conservation section.

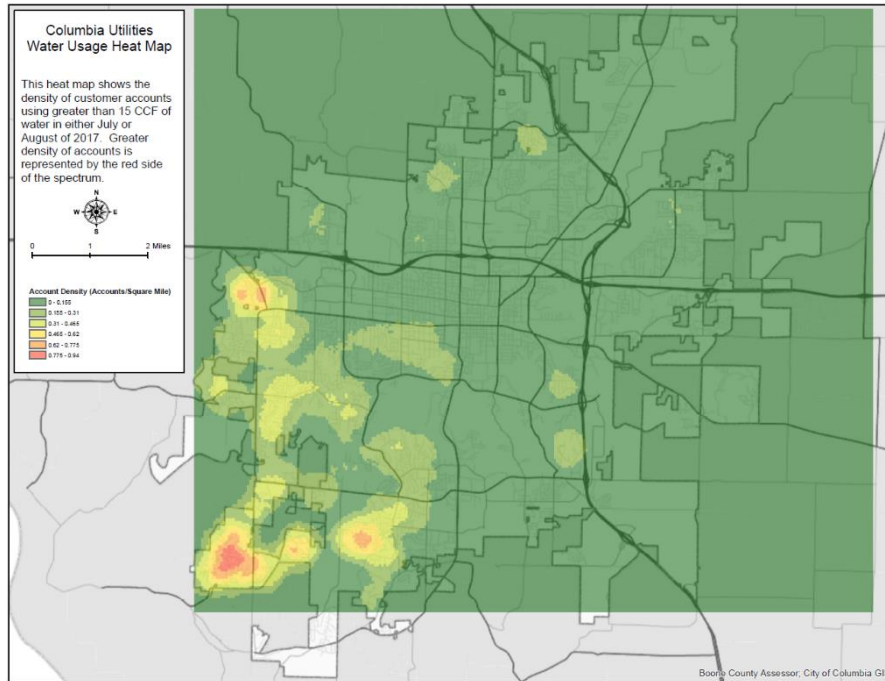
Discussion

An amendment sheet has been prepared by Staff to correct an error in the retained earnings account number from which the funds for the water conservation program will be appropriated. In addition, the original council memo omitted a water usage map that was referenced in the Outdoor Water Conservation section. This map has now been included in the water conservation information below.

Outdoor Water Conservation

By updating its rate structure, Columbia Water & Light has set pricing signals that encourage water conservation. Peak demand, typically occurring between June and October of each year, is driven by irrigation and other outdoor water uses. Irrigation systems based on timing devices can lead to over-watering and impose concurrent water demand during peak usage periods. Peak occurrences can strain the water infrastructure and create pressure drops that lead to boil advisories.

In order to identify target areas for peak water conservation efforts, staff worked with the IT/GIS Department to identify areas of high density water usage. All residential accounts using more than 15 CCF of water in either July or August of 2017 were identified and mapped. The map below shows high peak usage in the south and west of Columbia. The increased water usage in these areas is largely attributed to properties with irrigation systems



Fiscal Impact

Short-Term Impact: Enter the cost of proposed legislation to the city for the next **two** years.
 Long-Term Impact: Enter the cost of proposed legislation to the city for years **beyond two**.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Primary, Secondary Impact: Secondary, Tertiary Impact: Tertiary

Comprehensive Plan Impacts:

Primary Impact: Primary, Secondary Impact: Secondary, Tertiary Impact: Tertiary

Legislative History

Date	Action

Suggested Council Action

No action required. This is supplemental memo.