



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: March 20, 2017

Re: Professional Engineering Services with Carollo Engineers, Inc. for an Update of the McBaine Water Treatment Plant Expansion Preliminary Design Report

## Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute a Professional Engineering Services Agreement with Carollo Engineers, Inc. for the Update of the McBaine Water Treatment Plant Expansion Preliminary Design Report completed in 2012 and appropriating \$121,000 from retained earnings. This update is necessary to incorporate new demand projections established in the 2016 Integrated Water Resources Plan and to integrate the work of the Drinking Water Planning Work Group into an updated Criterion Decision Plus for analysis of proposed water treatment alternatives. The cost for this update is not to exceed \$120,778.

## Discussion

Carollo Engineers, Inc. completed the initial McBaine Water Treatment Plant Expansion Preliminary Design Report in 2012 for the preliminary design and modifications to the existing McBaine Water Treatment Plant to ensure compliance with existing and anticipated water quality regulations while meeting the projected future water demands. As part of the original study, Carollo Engineers conducted multiple public workshops to develop evaluation criteria to develop a decision analysis model used to identify and screen potential treatment process alternatives to develop a recommended short list treatment expansion alternatives.

As part of their scope of work, Carollo Engineers has agreed to conduct a total of six additional workshops with the newly formed Drinking Water Planning Work Group to re-evaluate criteria used in the in the original Criterion Decision Plus analysis of proposed water treatment alternatives. Utilizing the information from the previous studies, the decision analysis model will be updated to include both monetary and non-monetary factors, and final decision analysis modeling will be conducted to produce a recommended alternative. Draft and Final technical memoranda will be developed which will provide an executive summary, summarize initial alternative screening; and discuss development, evaluation, and selection of the recommended alternatives.

The cost for this update to the 2012 McBaine Water Treatment Plant Expansion Preliminary Design Report is not to exceed \$120,778 and is to be paid for by funds appropriated from retained earnings.



## Fiscal Impact

Short-Term Impact: The cost for this update is not to exceed \$120,778

Long-Term Impact: None

## Vision & Strategic Plan Impact

### Vision Impacts:

Primary Impact: Community Facilities & Services, Secondary Impact: Governance & Decision Making, Tertiary Impact: Not Applicable

### Strategic Plan:

Primary Impact: Infrastructure, Secondary Impact: Public Safety, Tertiary Impact: Not Applicable

### Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

## Legislative History

Date	Action
10/19/2009	B309-09 Authorizing an agreement with Carollo Engineers, P.C. for engineering services for a preliminary design report relating to the expansion of the McBaine Water Treatment Plant based on the 2008 Long Range Water System Study; appropriating funds.

## Suggested Council Action

Staff recommends Council approve an ordinance authorizing the City Manager to execute a Professional Engineering Services Agreement with Carollo Engineers, Inc. for the Update of the McBaine Water Treatment Plant Expansion Preliminary Design Report and appropriating \$121,000 from retained earnings.