

**MEMORANDUM**

**To:** Mayor and City Council Members  
Douglas Faseler, City Manager

**From:** David Rabago, P.E., CFM, Utility Engineer

**Through:** Rick Cortes, Assistant City Manager

**Subject:** Engineering Services for Analysis of Surface Water Transmission System

**Date:** July 10, 2018

In an effort to define potential location(s) of the proposed interconnection point with New Braunfels Utilities (NBU) per recently approved agreement, Staff is requesting approval of a professional services agreement with Merrick and Company in the amount of \$62,489.70. The scope of work includes the development of a computer simulation to analyze conditions associated with three water demand scenarios.

The additional benefits of the study include quantifying availability of surface water to meet potential future water demands and providing data that will be used to improve overall efficiency of the surface water distribution system.

As stated in the proposal, the project will consist of the following key components:

- Development of a new water distribution system model for the Surface Water distribution system;
- Evaluation of existing water demands and development of future water demands;
- Analysis of the impact of these demands on the existing water distribution system;
- Evaluation and development of an improvement program for the surface water distribution system.

Staff recommends approval and will be available to answer any questions at the July 17, 2018 City Council Meeting.