

Memorandum

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

From: Rick Cortes, Assistant City Manager

Subject: Water Model and Water Master Plan Update

Date: April 10, 2014

In a proactive measure to identify water-system infrastructure needs as development occurs, City staff has requested a proposal from Freese and Nichols to prepare a Water Model and Water Master Plan update.

The scope of the project will consist of the following:

- Population and water demand projections
- Water model development and calibration
- Hydraulic analyses and system evaluation
- Capital improvement plan and water master plan report
- Water model training and software purchase

This study will allow staff to better project infrastructure needs based on pending growth and help the City's long-range water development by determining the City's needs for elevated storage tanks, identifying water mains that need to be enlarged or improved, and identifying high or low pressure areas. The City's last water system study was performed in 2000 by PBS & J.

The total cost of the project is \$159,670. A budget amendment for this project was approved at the April 1st City Council meeting for the amount of \$160,000 from the Utility Capital Projects Fund.

Staff recommends approval of the attached agreement for Professional Services for the Water Model and Water Master Plan update from Freese and Nichols. Staff will be available to answer any questions at the Tuesday, April 15, 2014 Council Meeting.