Recommendation for Water & Wastewater Commission

Commission Meeting Date:	May 11, 2016
Council Meeting Date:	June 9, 2016
Department:	Purchasing

SUBJECT

Authorize award and execution of a contract with **MACAULAY CONTROLS COMPANY** to provide McCrometer flow meters in an amount not to exceed $162,800.

AMOUNT AND SOURCE OF FUNDING

Funding is available in the Fiscal Year 2015-2016 Operating Budget of the Austin Water.

Purchasing Language:	Sole Source
Prior Council Action:	N/A
For More Information:	Georgia Billela, 512-974-2939; Bryan Barnett, 512-972-0162
Boards and Commission Action:	May 11, 2016- To be reviewed by the Water and Wastewater Commission.
MBE/WBE:	This contract is exempt from the City Code Chapter 2-9D Minority Owned and Women Owned Business Enterprise Procurement Program; therefore, no subcontracting goals were established.

The contract is for the purchase of eight McCrometer flow meters for the Davis Water Treatment Plant. The flow meters are customized to fit in 36”diameter water treatment sedimentation basin pipes and are required to monitor the sedimentation basin flow rates for water treatment process control. These flow meters are the only full profile, multi-point flow meter on the market and McCrometer has a patent for multi-point electromagnetic technology. The full profile feature on the flow meter allows for multiple flow readings across the pipe cross section from each basin to be taken, which gives a higher accuracy measurement used to control the treatment process for potable water.

The nine Davis Water Treatment Plant sedimentation basins were overhauled in 2006 and the piping was retrofitted with McCrometer flow meters for each basin that were full profile multi-point flow meters. The results of those flow meters resulted in better process control by balancing flow across all in service basins. In 2013 one of nine meters failed. The competitive bid process confirmed that the McCrometer flow meter were still the only full profile, multi-point flow meter available in the industry market. The flow meter has been updated with newer electronics that provide better accuracy of the water flow to the Davis Supervisory Control and Data Acquisition (Program Logic Control) system and enables better control of the treatment process. The remaining eight older flow meters have exceeded their useful life, and their technology has been superseded by newer designs.

If the City is unable to purchase the new flow meters, the City would not be able to properly balance water flow between basins which would negatively impact the potable water treatment process. The Davis Water Treatment Plant is located in Zip Code 78731 (District 10).