



**Water & Wastewater Commission
Review and Recommendation**

Commission Meeting Date:	September 11, 2019
Council Meeting Date:	October 3, 2019
Department:	Purchasing Office
Client:	Bryan Barnett, Charles Celauro, Bill Stauber
Agenda Item	
Authorize negotiation and execution of a contract with WWatertech Services, Inc. , to replace the mixer drive in a sludge mixing system, in an amount not to exceed \$152,000.	
Amount and Source of Funding	
Funding is available in the Fiscal Year 2018-2019 Operating Budget of Austin Water.	
Purchasing Language:	Sole Source.
Prior Council Action:	N/A
Boards and Commission Action:	September 11, 2019 – To be reviewed by the Water & Wastewater Commission.
MBE/WBE:	Sole source contracts are 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 and installation of new mixing drive components for sludge holding tank mixer No. 3 at Austin Water's Ullrich Water Treatment Plant. This contract will allow for the replacement of existing sludge mixer drive components that have failed due to normal wear and tear over 25 years of service. The mixer system was provided by a single manufacturer, ANCO Mixers through their local representative WWater Tech, Inc. so the motor and gear box components that have failed must be replaced with original equipment manufacturers parts, to be compatible with the mixer system support structure and mixing impeller assembly. Replacing only the failed drive system components is significantly less expensive than replacing the entire mixer system.

The water treatment process removes solids, such as dissolved minerals and organic compounds, from raw lake water by allowing them to settle in the bottom of up-flow clarifier water basins. The material that settles out of the raw water build up on the bottom of the basin and form a mud-like mixture called sludge that is pumped out of the basin. Since sludge tends to settle, these tanks must be continually mixed, or the sludge will thicken too much and will not flow out of the tanks. Ullrich Water Treatment Plant needs all four sludge holding tanks to be in service, to treat water at the plant's maximum rated capacity.