



It's real.

MEMORANDUM

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

From: Emery E. Gallagher, Director of Water and Wastewater Utilities

Through: Rick Cortes, Assistant City Manager

Subject: Funding for engineering services for C-T Process Basin Covers

Date: March 16, 2017

Staff is requesting \$73,000 in funding for engineering services to design the covers for the two C-T process basin at the City's Water Treatment Plant. The covers will assist in lowering the disinfection byproducts at the Surface Water Plant. These disinfection byproducts increase during summer months, due to the sun causing the chlorine to dissipate quicker, requiring a higher Chlorine dosage to maintain a Chlorine residual through the C-T process basin; these covers have shown a reduction in Chlorine usage similar to the weather.

Once constructed, these cover will have a beneficial impact to our surface water clients. Additionally, city staff anticipate a \$5,000 annual savings in chlorine costs due to the installation of these covers. Please note that this project will be bid and constructed at part of the water plant filter rehabilitation project. Staff recommends approval.