



CITY OF WASHINGTON, ILLINOIS

Public Works Committee Agenda Communication

Meeting Date: 6/8/20

Prepared By: Brian Rittenhouse-Utilities Superintendent
Kevin Schone-Public Works Director

Agenda Item: Water Treatment Plant #1 Filter and Softener Rehabilitation.

Explanation: Council may recall a time and materials contract with River City Construction in October of 2018 for the rehabilitation of one filter and one softener. At that same time the City also contracted with Evoqua for additional evaluation services. Evoqua is the parent company of Permutit, who manufactured and supplied the filters and softeners tanks when WTP #1 was built in 1960. Last year Water Treatment Plant #1 started the rehab process of its Iron Filters and Water Softeners, getting one of each done. There are 4 Iron Filters and 3 Water Softeners that still need to be done. The efficiency of the filter and softener operations at WTP#1 have steadily dropped from 95.2% in 2013 to 85.9% in 2018. This represents 18 million gallons of additional process water used in filtration during 2018 alone (or \$83k in retail loss) so it is important to complete this project.

Fiscal Impact: Evoqua has quoted the project at \$258,064.26 for the cleaning and disposal of old media, purchase and delivery of media and resin, checking metal integrity, and installation of media and resin for 4 filters and 3 softeners. The City has a Planned Expenditure of \$350,000 (Acct# 500-00-800-3000) for this work.

Recommendation/

Committee Discussion Summary: Staff would like to start the process of getting these filters and softeners completed this FY and make sure we can get Evoqua scheduled for this fall to finish the rehabilitation. River City Construction was contacted for pricing to continue the filter and softener rehab however Evoqua is able to do this work and River City Construction has declined entering the tanks for the distribution arm installation making Evoqua the sole source for this type of technical work. With the additional work for Evoqua they are able to complete this work more efficiently and offer a reduced cost when compared to RCC.

Action Requested: Recommend moving item to the June 8th Committee of the Whole meeting.