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Memorandum

To: Honorable Chairman and Members of the Board of Trustees

From: Rob Werley, Public Works Director

Date: 9 September 2019

Re: Water Treatment Facility Cl₂ Halogen valve emergency shutoff system

BACKGROUND:

The Water Treatment Facility (Facility) currently utilizes chlorine (Cl₂) gas for disinfection purposes. The Cl₂ gas comes in 1-ton cylinders which are attached to shut off valves, regulators, and feed lines at the Facility. If a leak occurs on a regulator or feed line, there is no way to shut the system off other than by doing so manually. Plant operators must suit up in hazmat suits and SCBA equipment to go into the Cl₂ room to manually shutoff the valve. There are emergency valve shutoff systems that will automatically shut off a regulator when a leak is detected which is a safety improvement to the system currently in place.

The Halogen Duplex Model II emergency valve shutoff system is compatible with one (1) of the two (2) Hydro brand regulators we already in use at the Facility. As part of this upgrade, the Facility would need to install a second compatible regulator.

This purchase is included in the FY 2019-2020 budget in the Capital Projects Fund at 12-5404-33 and is not to exceed \$21,000

STAFF RECOMMENDATION

Staff recommends the purchase of the Halogen Duplex Model II emergency shutoff system and a 2nd Hydro series 900 mounted regulator through Hawkins, Inc. of Tulsa in an amount not to exceed \$21,000 which includes shipping, installation, and training.

ATTACHMENTS

Quote from Hawkins, Inc.
Halogen emergency valve shutoff system information
Hydro series 900 regulator information