



## **AGENDA ITEM ANALYSIS**

Project/Issue Name: 23-R-10 A Resolution of The City Council Authorizing the BUILDS Department to Purchase a Fifth Pump for Shuyler Creek Lift Station.

Submitted By: Garrett Brickner, Assistant BUILDS Administrator

Date: February 21, 2023

### **Issue Statement**

The BUILDS Department would like to purchase a fifth pump for Shuyler Creek Lift Station (SCLS) to rotate into service, as other pumps require repair or routine maintenance.

### **Discussion and/or Analysis**

SCLS had two pumps go out in January. Pump #2 went out on January 13<sup>th</sup> and Pump #3 went out on January 24<sup>th</sup>. Pump #1 had previously been taken out of service for repair and rebuild in October of 2022. This left SCLS with only one operable pump. City Crews acted quickly to hook up our portable back up pump to the station and rented another portable pump for the station. Importantly, no Sanitary Sewer Overflow (SSO) occurred due to pumps being out of service.

The BUILDS Department would like to purchase a fifth pump for SLCS. This pump will be put into rotation as pumps are pulled for routine maintenance and repair so that the lift station will never have only 3 pumps installed during normal operations.

The control system for each pump at SLCS is set up for Flygt pumps to be utilized. An alternative pump could not be utilized without also changing the control system and would also be specific to that pump. This would defeat the purpose of having a fifth pump in the rotation, as all the pumps would not be able to work in every spot in the rotation.

JCI quoted two different styles of Flygt pump. One with a closed loop cooling system at \$138,220, and the other that utilizes "product" cooling at \$115,616, a difference of \$22,604. With SCLS receiving flow from more than 50% of the City, the influence at this location has a high grit and material content. Therefore, BUILDS staff is recommending purchase of the closed loop cooling system.

JCI is the only authorized Service Center distributor for Flygt equipment for the municipal market including sales and service in their assigned territory of Western Missouri and Kansas. Their staff is properly trained to service Flygt pumps.

### **Recommended Action**

Staff recommends purchase of the Flygt Model 3231 Pump with Closed Loop Cooled system.