



CITY OF
LONG LAKE

City Council Agenda Report

City of Long Lake

450 Virginia Avenue, PO Box 606

Long Lake, MN 55356

MEETING DATE / November 6, 2023

SUBJECT: Approve Proposal by Telemetry & Process Controls Inc. (TPC) for Water Distribution System Upgrades

Prepared By: Sean Diercks, Public Works Director

Report Date: 11/1/2023

Recommended City Council Action

Staff recommends the following:

Motion to approve the proposal from Telemetry & Process Controls Inc. (TPC) of Oakdale, Minnesota to retrofit the City of Long Lake's existing obsolete water tower level responsive automatic well pump's radio telemetry control, monitoring, alarm system with new remote login and control equipped with Allen-Bradley programmable logic controls (PLCs) and operator interface terminal (OITs) as quoted for \$54,409.

Overview / Background

The existing well houses and water tower PLC, OIT, and radio controls for the drinking water production and distribution system that were installed in 2002 during the Highway 12 bypass MnDOT project have become obsolete. The majority of this equipment was developed and produced in the mid to late 1990's so the equipment that was purchased at that time had already been out a few years. In other words, this equipment could be reaching close to 30 years old. The current equipment has served the City for many years without too much trouble - in fact, it can be said that it performed beyond expectations. The vendor that installed the equipment back 2002 and has pretty much performed any required service work to the system is Telemetry & Process Controls Inc. (TPC).

The department is recommending that we stay with TPC as the vendor for this retrofitting due to the fact that they were the initial installers of the existing system and are very familiar with it, and have maintained all the existing and the future schematics that will be required to do the project. Not to mention that the existing equipment that TPC initially supplied has lasted for nearly 30 years out to obsolescence.

If the existing controls were to experience any type of failure in the near or distant future, the replacement parts are no longer available which could leave us in a reactive situation for repairs. That is not a comfortable situation to be facing when operating a drinking water system. The department would rather like to see implementing a proactive approach to this issue.

The retrofitting upgrade proposal also includes the ability of access, monitoring, and remotely controlling with a computer log in. This new technical feature will allow operators to remote access to monitor and perform remote operational control functions from any computer.

During preliminary budget discussion that was held in September 2023, it was discussed that staff would work towards facilitating this project to completion in the early months of 2024. As it sits, as of today, TPC is prepared to order the equipment needed as soon as the City Council gives approval to move forward. The

equipment should sometime arrive in December/January with completion by the end of January 2024. All invoicing would be due upon completion.

Supporting Information

- Water Distribution Radio Telemetry Control System PLC, OIT, and 900 MHz Radio Retrofit, Proposal #231101KR