



## Staff Report – Consent Agenda

May 6, 2024 Council Regular Meeting

\$179,969 OCD Automation Award for WWTP Programming and Hardware Updates  
(Submitted by Rob Charles, Utilities Manager)

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**BACKGROUND:** As equipment has aged at the WWTP, staff is unable to find replacement parts as vendors no longer support this equipment. Automation hardware at the plant has been modified over the years to the extent possible, but has reached the point where it needs to be upgraded to the latest hardware and software.

**SUMMARY:** The equipment building has Programming Logic Controller (PLC) equipment which is an industrial computer used in manufacturing processes. OCD Automation is proposing to update the firmware and software to the latest equipment to allow equipment to operate efficiently and minimize the amount of staff time being devoted to monitoring this equipment. These upgrades will allow the existing blowers to continue to operate until the new blowers are installed at the plant with a construction project next year. The City uses OCD Automation to perform all of its programming and hardware upgrades at the plant and all of its sewer lift stations.



Figure 1: Existing PLC with wiring modifications over time

**BENEFITS TO THE COMMUNITY:** Continue to meet the City's National Pollutant Discharge Elimination System (NPDES) permit with the Department of Ecology for effluent discharge to the Columbia River.

**BUDGET IMPACT:** The cost of the upgrade will be \$179,969 and there is sufficient budget in the sewer to cover these costs.

**RECOMMENDATION:** Staff recommends that this item be placed on the May 6, 2024 Council Regular Consent Meeting.