



CITY OF CONCORD

New Hampshire's Main Street™
General Services Department

REPORT TO MAYOR AND CITY COUNCIL

DATE: February 22, 2022

To: Mayor and City Council

From: Earle M. Chesley, P.E. General Services Director

Subject: Resolution authorizing the repurposing of funds from CIP# 88, subproject 17TANKCTRL to CIP# 347, subproject 18SOLARPWR.

Recommendation

Accept this report and approve the attached resolution to transfer \$31,988.90 from CIP# 88, subproject 17TANKCTRL to CIP# 347, subproject 18SOLARPWR.

Background

The City water treatment plant completed a Carbon Dioxide (CO₂) tank replacement project in 2017 to replace one aged CO₂ storage tank with 2 new storage tanks. The CO₂ is used in the water treatment process to deal directly with corrosion control (Lead and Copper). The project was completed in time and under budget.

The water treatment plant is looking to replace existing electrical services at 2 tank locations with Solar panels and batteries. This green project will reduce the need for electrical services, reducing expenses to the water plant budget, and remove long electrical service lines that the city is responsible for clearing and maintaining.

Pricing has come in higher than expected for the solar panels from original design. Transferring the funds from the CO₂ project will allow the water treatment plant to complete the energy saving work, benefitting the ratepayer and environment.

Discussion

Not installing the solar panels and needed supporting equipment will not negatively affect water service to the customers. The expense for electrical service and maintenance of the electrical line will continue, adding a financial burden to the fund and the customers.

Cc: Water Superintendent Marco Philippon