



CITY OF CONCORD

New Hampshire's Main Street™

REPORT TO MAYOR AND CITY COUNCIL

Date: February 21, 2023

To: Mayor and City Council

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

Subject: Appropriate an additional \$713,500 for the removal and decommissioning of two 10,000 gallon underground diesel fuel tanks and one 10,000 gallon underground gasoline tank, and to provide and install one 15,000 gallon underground diesel fuel tank and one 15,000 gallon gasoline fuel tanks including a new canopy with fire suppression system and 2 diesel fuel dispensers with DEF provisions and 2 gasoline dispensers at the Combined Operations Maintenance Facility.

Recommendation

Accept this report and attached resolution and set for public hearing at the next regularly scheduled City Council meeting on April 10, 2023, for consideration and action by City Council.

Background

The city's sole centralized vehicular fuel storage and dispensing facility is located at the Combined Operations and Maintenance Facility and is managed and operated by the General Service Department. It provides 24-hour service, 7 days a week, to the City's fleet, as well as, the Concord School District through a provision in the lease between the parties.

The existing facility consists of three underground fuel double walled fiberglass storage tanks (two 10,000-gallon diesel tanks and one 10,000-gallon unleaded gasoline tank) and a covered fuel island with a fire suppression system with two diesel fuel dispensers and one unleaded gasoline dispenser. The existing facilities were placed in service in 1989 and hold a license from the New Hampshire Department of Environmental Services. The storage is monitored daily and the facilities receive an annual inspection, with a more rigorous inspection every three years.

The underground facilities are reaching the end of their service life, and it is appropriate to have them removed and replaced to mitigate potential environmental risk associated with leakage from either the underground tank or piping. The canopy and fire suppression system also merit replacement.

After the facilities were placed in service in the mid-nineties, the Federal government instituted a program to reduce heavy diesel vehicle emissions by requiring the vehicles to dispense exhaust fluid (DEF) into the vehicle's exhaust system. Since that time, diesel vehicles are equipped with a separate DEF tank that requires filling along with fuel. To meet this demand, the City installed a temporary DEF dispensing system at the facility. The proposed new facility includes a permanent DEF dispensing system.

Additionally, over the years the overall demand for fuel has changed from two thirds diesel fuel to one third unleaded gasoline fuel ratio to a fifty-fifty blend of the two fossil fuels. The proposed facility retains the same volume of storage with two equal size tanks. The new facility will have two unleaded gasoline dispensers and two diesel dispensers providing redundancy should one fail.

Discussion

Over Fiscal Year 2021 and 2022, City Council raised and appropriated funds to decommission the existing fuel facilities and provide a new centralized fuel facility at the COMF.

The General Services Department retained the engineering firm of Wilcox and Barton to provide professional services for the design and decommissioning of the existing facilities. Their design recommended replacing the existing underground double walled fiberglass tanks with a pair of twin underground double walled fiberglass tank to better meet the current fuel demand along with replacing the canopy including the fire suppression system and providing a pair of fuel dispensers for each type of fuel.

Upon completion of the design, the General Services ordered the new underground tanks so they would be on hand for installation by the contractor during this summer to begin June 20, 2023, immediately after the close of school.

The City's purchasing department solicited proposals and received responses in December for the project to commence this summer. SRS Petroleum Services was the successful respondent. The cost of the work currently exceeds budgeted amount by \$713,500.

To proceed with the necessary work, it is necessary to raise an additional \$713,500. Fifty percent of these funds would be from the General Fund; twenty five percent from the Water Fund, and twenty five percent from the Wastewater Fund.

Cc. Jay Burgess, Public Properties Superintendent
Brian Levesque, Fleet Manager
Jack Dunn, Concord School District Business Manager

