



CITY OF CONCORD

New Hampshire's Main Street™

REPORT TO MAYOR AND CITY COUNCIL

DATE: August 2, 2022

To: Mayor and City Council

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

Subject: Penacook Lake Dam Spillway Reconstruction Design Grant

Recommendation

Accept this report and authorize the City Manager to apply for and accept grant funds up to the amount of \$50,850 for the redesign of the spillway for the Penacook Lake Dam. This grant is available through the New Hampshire Department of Environmental Services.

Background

Penacook Lake has been the primary water source for the City of Concord since 1872. The lake was created from 2 ponds, Long Pond and Forge Pond, within the Rattlesnake Brook watershed when the Penacook Lake Dam was constructed, creating Penacook Lake.

This High Hazard Dam has served the city well and will continue to do so into the foreseeable future. Recent regulatory has increased the amount of water that must pass through the spillway which protects the dam from failing. These increased volumes of water can not pass through the existing spillway which now require a design and reconstruction of the spillway to increase its hydraulic capacity.

The NHDES Dam Bureau has made available grant money to complete the design portion of the required project.

Discussion

Upon approval from the Mayor and City Council, the Water Treatment Plant Superintendent will prepare and submit the grant application.

Cc Marco Philippon, Water Superintendent