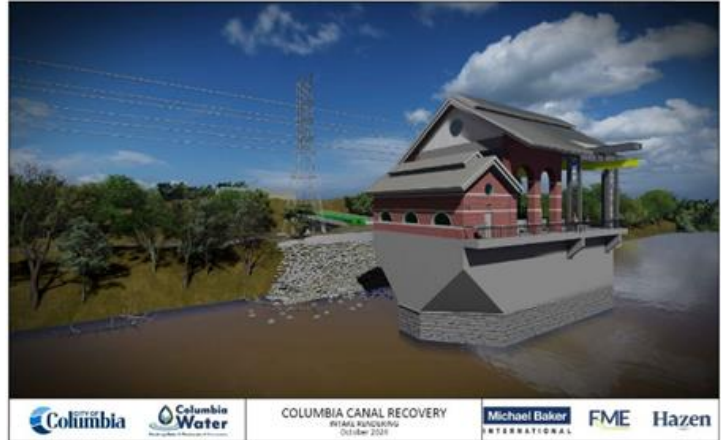


Resilient Water Supply Project

Project Description:

Installation of a new water supply intake directly from the Congaree River, directly adjacent and on the river side of the existing Columbia Canal embankment. Project components consist of submerged intake screens, concrete wet well, submersible pumps, electrical controls and equipment, stand-by generator, piping, valves and appurtenances. A bridge will be constructed to support access to the intake and source water piping to deliver water from the river to the Canal Water Treatment Plant. The intake will have a design capacity of 80 million gallons per day and will provide redundancy in the event of an issue with the existing intake or Canal system.



Objectives:

To increase water supply resiliency for the Columbia Canal Water Treatment Plant through construction of an independent, alternate water supply intake directly in the Congaree River, thus reducing reliance on the current water supply intake and existing late 1800’s vintage Canal embankment and system. The project will also allow for FERC approval to repair portions of the Canal embankment without bringing the entire 3.1 mile embankment up to modern design standards. This is the most economical and efficient approach to restoring the Canal to pre-disaster condition and to return the hydroelectric generating station to operation.

Project Type:

2015 Flood Recovery – Drinking Water Source

PR Council District:

System-wide generally

Project Funding:

This project is being funded through a combination of the City’s capital improvement program and a \$32.5M BRIC grant from the Federal Emergency Management Agency. The construction cost is approximately \$62M.

Current Project Status:

The notice to proceed for construction was issued in January 2025 with a projected duration of 30 months.

Project Contacts:

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