



**Clean Water State Revolving Fund  
FY 2024 Project Plan – Public Hearing**  
April 26, 2023

# FY 2024 Clean Water State Revolving Fund (CWSRF) Program

- ◆ Annually, GLWA seek to maximize use of CWSRF low-interest loans to fund qualifying capital improvement projects.
- ◆ The deadline to apply for FY 2024 funding is May 1, 2023.
- ◆ Applicants are required to hold a public hearing to solicit public comment prior to submission of final project plan applications to the State of Michigan Department of Environment, Great Lakes and Energy.
- ◆ GLWA seeks to submit one project for FY 2024 funding consideration.

# FY 2024 Clean Water State Revolving Fund (CWSRF) Project

- Project managers for the Pump Station 2 Variable Frequency Drive (VFD) and Medium Voltage (MV) Switchgear Replacement projects will provide brief highlights of this proposed project followed by a public comment period.

CIP#	Project	Estimated Project Cost (in millions)	GLWA Contact	Engineering Firm /Project Lead
211005.2	Pump Station 2 - VFD and MV Switchgear Replacement	\$12.0	Chris Wilson	HDR/Andy Sutherland

- The scope of this project for the Water Resource Recover Facility (WRRF) includes:
  - Replacement of Pump Station 2 Variable Frequency Drives (VFDs),
  - Replacement of the electrical switchgear within Pump Station 2 that is beyond its anticipated lifespan, and
  - Refurbishment of the electrical feed system to the Pump Station.

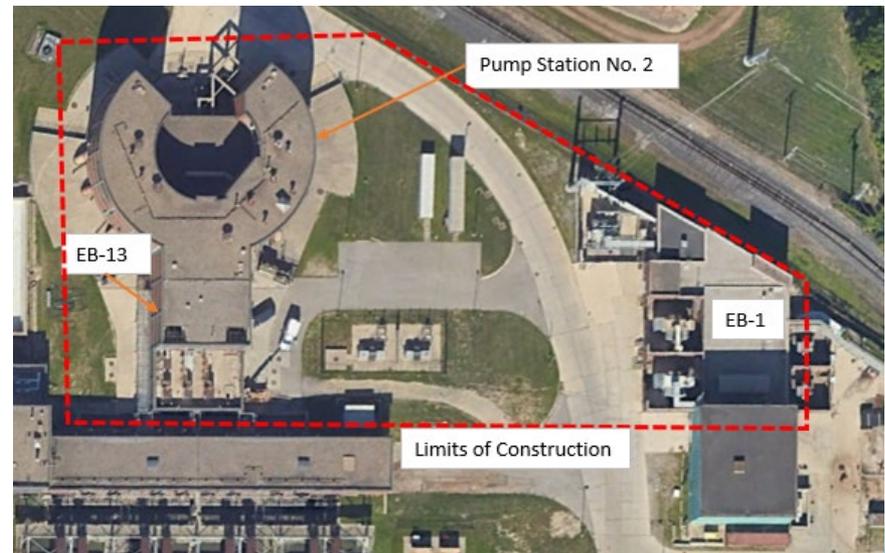
# Project Overview

## Recommended Alternative

- 💧 Replacement of five existing VFDs and reconfiguration/replacement of the MV electrical feeds to Pump Station 2
- 💧 Rewind pump motors for 4160V current, increases nominal capacity of each pump from 900 HP to 1000 HP
- 💧 Procure one new motor for use during rewind of the remaining motors

## Project Benefits

- 💧 Mitigate reliability issues
- 💧 Simplifies maintenance
- 💧 Increase system capacity



# Project Cost and Schedule

Estimated Project Costs	
1 – VFD / MV Switchgear	\$12,000,000

User Cost	
Total User Cost (per household/month)	\$0.11

Schedule of Construction	
Start Date	Q4 2024
End Date	Q1 2026

Design Engineer



# Project Impacts

## Environmental Impacts

- 💧 A Michigan Natural Features Inventory Review was completed in 2022 for the same area.
- 💧 There are no species of concern within any of the project's areas.
- 💧 If a threatened or endangered species is encountered, work will be halted, and the proper authorities will be contacted on how to proceed.

## Social Impacts

- 💧 Letters will be submitted to the Tribal Historic Preservation Offices in 2023 for the project location within the project area if approved.
- 💧 All projects will be reviewed by the State Historic Preservation Office. Findings will be included in the Final Project Plan.
- 💧 A draft Project Plan has been submitted to the State for review.

# Public Comment

# Next Steps

- ◆ Following the close of this public hearing and later in this meeting, GLWA staff will present to the GLWA Board of Directors a request to approve summary project plan for the project presented.
- ◆ Upon approval of the summary project plan, GLWA staff will compile the remaining documentation required to submit this project for consideration of funding in the FY 2024 State of Michigan Clean Water Revolving Fund Program.
- ◆ This documentation is due May 1, 2023.
- ◆ Final determination of award is typically posted by the Michigan Department of Environment, Great Lakes & Energy (EGLE) in mid-September 2023.