



GLWA

Great Lakes Water Authority

Clean Water State Revolving Fund FY 2026 Project Plans – Public Hearing

April 23, 2025

FY 2026 Clean Water State Revolving Fund (CWSRF) Program

- ◆ GLWA seeks to maximize use of CWSRF low-interest loans to fund qualifying capital improvement projects.
- ◆ Three projects have been identified FY 2026 CWSRF funding consideration.
- ◆ Applicants are required to hold a public hearing to solicit public comment prior to submission of final project plans to the State of Michigan Department of Environment, Great Lakes and Energy (EGLE).
- ◆ The deadline to submit the final project planning documents is May 1, 2025.

FY 2026 Clean Water State Revolving Fund (CWSRF) Program

💧 Project leads will provide brief highlights for the three proposed projects followed by a public comment period.

CIP#	PROJECT	ESTIMATED COST	GLWA PROJECT CONTACT	ENGINEER/ PROJECT LEAD
270006	CSO Facilities Improvements II	\$23,578,000	Brooke Ballard	Andrew Bennett, Hazen and Sawyer
273001	Hubbell-Southfield CSO Facility Improvements	\$67,483,000	Kashmira Patel	Kevin Vander Tuig, Wade Trim
213006	WRRF Improvements to the Sludge Feed System for Solids Processing	\$26,550,000	Scott Worth	Steve Wyman, CDM Smith

A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of freshness and movement.

Project 1: CSO Facilities Improvements II

CSO Facilities Improvements II

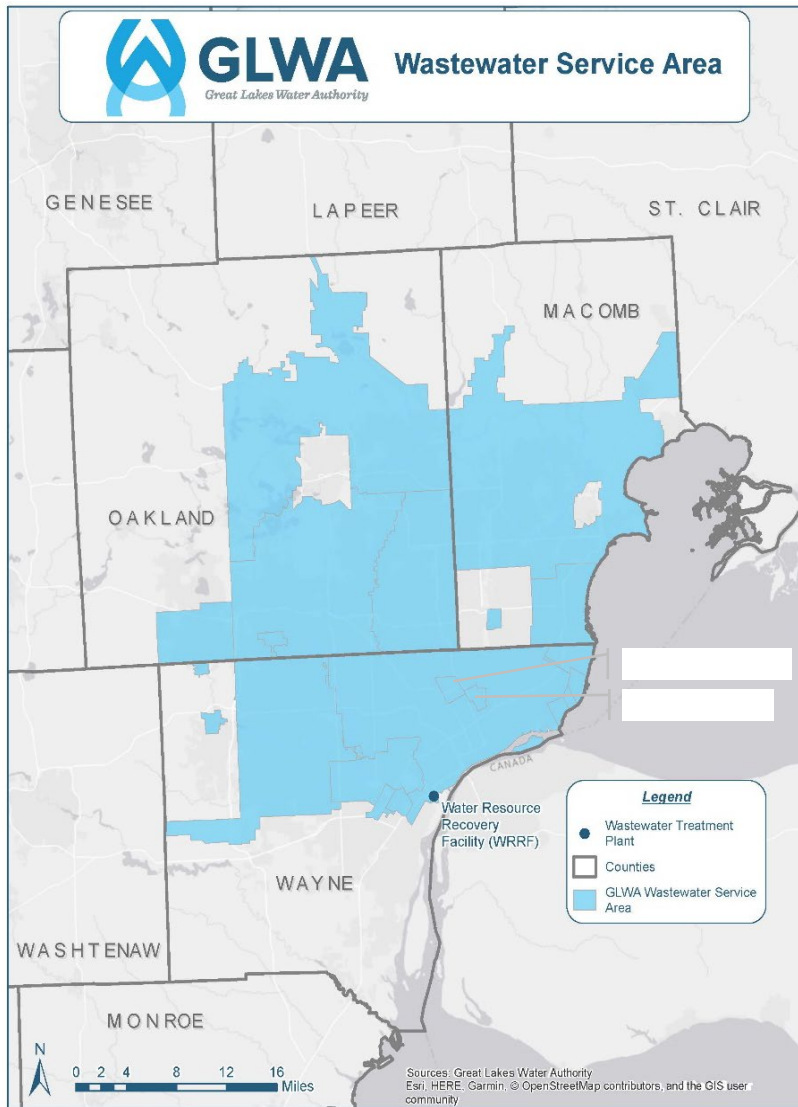
Need For Project

- ◆ Improve operational efficiency through standardized CSO systems and equipment and incorporate RCM/RCD (Reliability Centered Maintenance/Reliability Centered Design) into the design to reduce life-cycle costs.
- ◆ Provide safer facilities through fall protection, emergency eyewash improvements and removal of trip hazards.
- ◆ Rehabilitate buildings to address architectural, electrical, HVAC, and plumbing deficiencies.



*1.16 Million residents in GLWA service area

CSO Facilities Improvements II



Project Scope

- ◆ Safety improvements and building rehabilitation at all 9 CSO facilities
- ◆ St Aubin SDF disinfection, screening and misc. improvements to maintain long-term reliability
- ◆ Control system and lighting upgrades at Baby Creek and Belle Isle facilities

Project Benefits

- ◆ Increase functional life of facilities, reduce likelihood of combined sewer overflows, and allow GLWA to meet NPDES permit discharge requirements.

CSO Facilities Improvements II

Estimated Project Cost	
Construction	\$18,901,000
Engineering, Legal, and Admin.	\$4,677,000
Total	\$23,578,000

Project Schedule	
Notice to Proceed	Q4 2025
Construction Begins	Q4 2025
Final Completion	Q1 2028

Project Team

Hazen



Illustrated, Estimated End User Impact	
Total (per household basis per year)	\$1.37

Project 1 – Public Comment

(CSO Facilities Improvements II)

A dynamic splash of clear water against a light blue background, with a semi-transparent blue horizontal band across the middle.

Project 2: Hubbell-Southfield CSO Facility Improvements

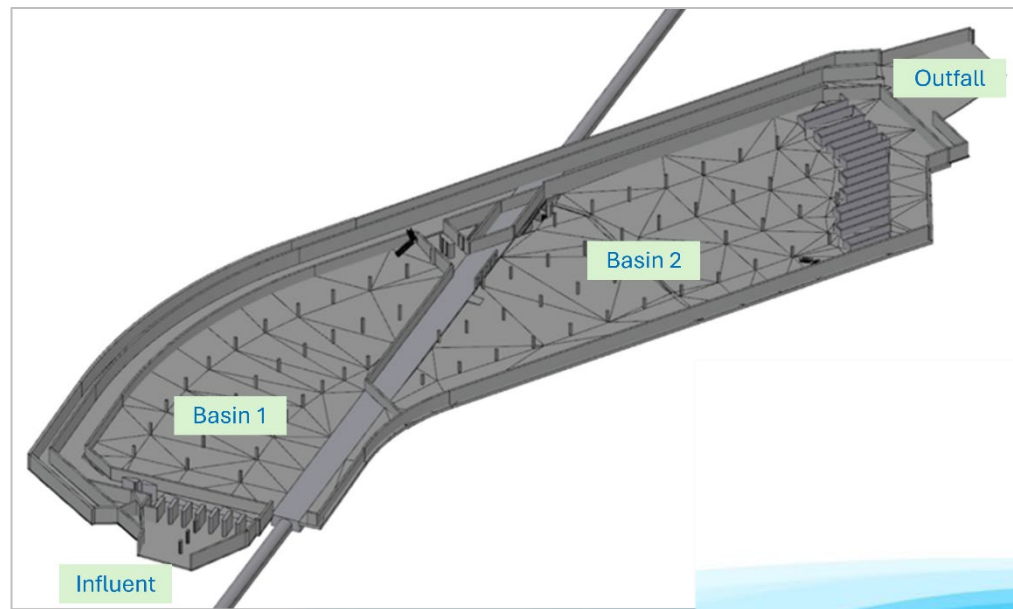
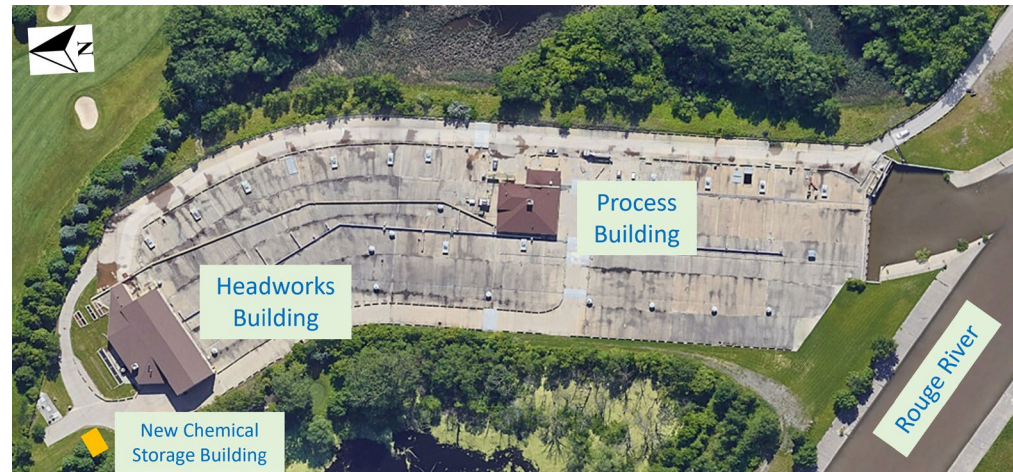
Hubbell-Southfield CSO Facility Improvements

Project Scope

- ◆ New sustainable basin flushing system using river water to clean tank
- ◆ New chemical storage building and tank
- ◆ New chemical delivery system
- ◆ New instrumentation and controls
- ◆ New electrical systems
- ◆ Repairs to buildings and site features

Project Benefits

- ◆ Enhance ability to treat CSO and meet NPDES permit requirements; Improve worker safety; Standardize equipment; Improve operational reliability; Restore existing site and buildings



Hubbell-Southfield CSO Facility Improvements

Estimated Project Cost	
Construction	\$56,065,000
Engineering, Legal, and Admin.	\$11,418,000
Total	\$67,483,000

Project Schedule	
Notice to Proceed	June 2026
Construction Begins	June 2026
Final Completion	June 2030

Project Team



Illustrated, Estimated End User Impact

Total (per household basis per year)	\$4.37
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Project 2 – Public Comment

(Hubbell-Southfield CSO Facility Improvements)

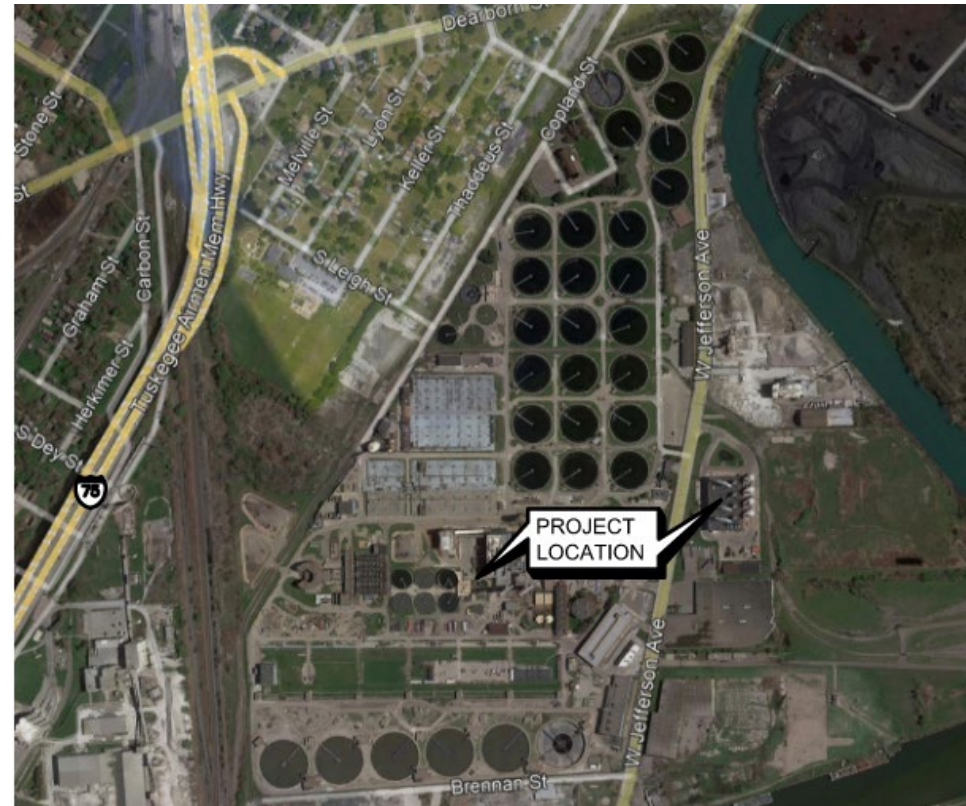
A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water appears to be moving from left to right, creating a sense of motion and freshness.

Project 3: WRRF Improvements to the Sludge Feed System for Solids Processing

WRRF Improvements to the Sludge Feed System for Solids Processing

Need For Project

- ◆ The sludge feed system is a critical step in the WRRF's ability to process solids and maintain the facility's solids throughput capacity.
- ◆ Existing equipment sizing, condition, configuration, and standard operating procedures result in maintenance and operational challenges.
- ◆ Limited operational flexibility minimizes system resiliency and increases risk of process disruptions.



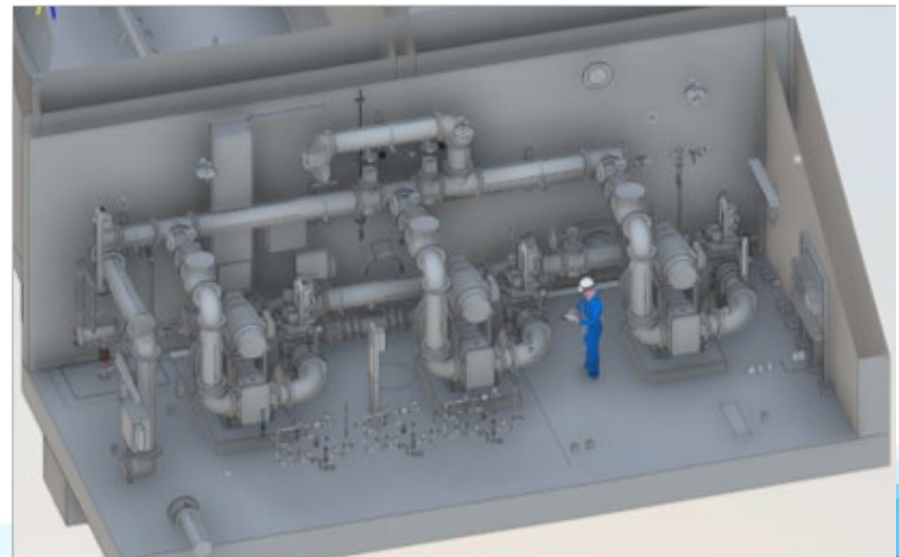
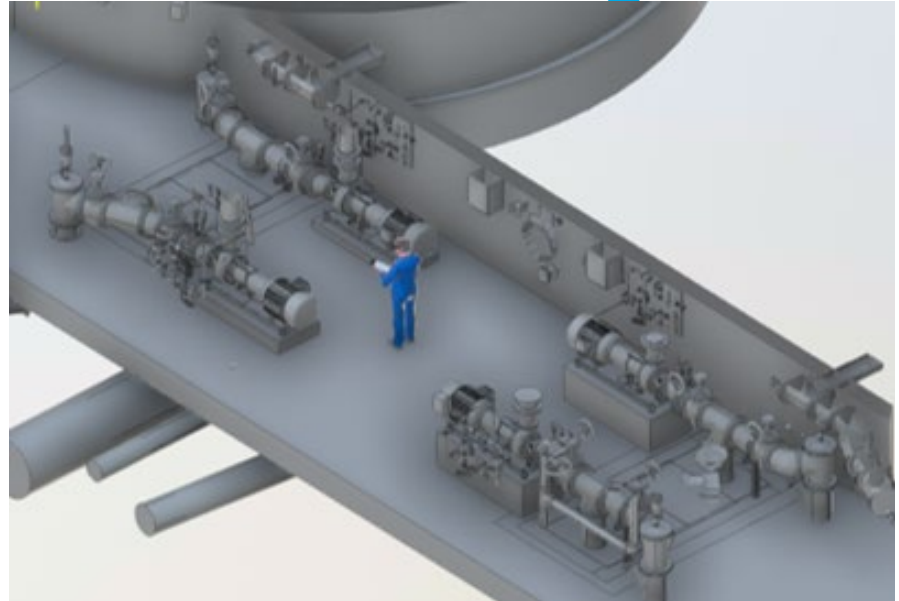
WRRF Improvements to the Sludge Feed System for Solids Processing

Project Scope

- ◆ Sludge feed pump and associated equipment upgrades.
- ◆ Incorporation of sludge conveyance loops.
- ◆ HVAC improvements.
- ◆ Control, electrical, and lighting improvements.

Project Benefits

- ◆ Additional system flexibility, redundancy, and resiliency.
- ◆ Improved ease of operation.
- ◆ Improved system monitoring capabilities and reduced maintenance requirements.



WRRF Improvements to the Sludge Feed System for Solids Processing

Estimated Project Cost	
Construction	\$21,200,000
Engineering, Legal, and Admin.	\$5,350,000
Total	\$26,550,000

Project Schedule	
Notice to Proceed	March 2026
Construction Begins	March 2026
Final Completion	May 2029

Project Team



Illustrated, Estimated End User Impact	
Total (per household basis per year)	\$1.09



Project 3 – Public Comment

(WRRF Improvements to the Sludge Feed System for Solids Processing)

Next Steps

- ◆ Request GLWA Board of Directors adopt the resolution to approve the project plans following the close of the public hearing.
- ◆ The approved project plan, board documents, and required forms will be submitted to EGLE by May 1, 2025.
- ◆ Notice of final award determination is typically posted by the EGLE in mid-September 2025.