



# GREAT LAKES WATER AUTHORITY



## PUBLIC HEARING NOTICE WATER RESOURCE RECOVERY FACILITY FY 2019 STATE REVOLVING FUND (SRF) PROJECTS

The Great Lakes Water Authority (GLWA) announces a Public Hearing regarding its Project Plan for the proposed Pump Station No. 1 (PS-1) Ferric Chloride System Rehabilitation and Struvite Removal Project. GLWA will be seeking low interest State Revolving Fund (SRF) loan assistance for FY 2019. The primary purpose of the project is to provide efficient and reliable operations at the Water Resource Recovery Facility (WRRF) by implementing necessary improvements to the Pump Station No. 1 Ferric Chloride System and Waste Activated Sludge (WAS) Transfer Pipeline.

GLWA is required to remove phosphorus from wastewater flows to reach limits as specified by the NPDES permit. Phosphorus has been shown to be a contributor to algae buildup in the Great Lakes. The primary method for removing phosphorous at the GLWA WRRF is by adding iron salts (ferric or ferrous chloride) to the wastewater stream at each of the two (2) pump stations (PS-1 and PS-2) and then precipitating it out in the primary clarifiers. The ferric chloride feed system at PS-2 has been recently rehabilitated, but the system at PS-1 is in need of rehabilitation. Rehabilitating the ferric chloride feed system at PS-1 will be critical for the WRRF to continue to remove phosphorus to the limits required in the NPDES permit.

Currently, WAS is thickened at the WRRF Complex B Gravity Thickeners. There is a single line that transports WAS to Complex A where the thickened WAS is blended with thickened Primary Sludge. The blended sludge is then pumped on for dewatering and then ultimate disposal. Recent investigations have indicated significant buildup of struvite in the pipe that transports thickened WAS to Complex A. Addressing the issues associated with the struvite buildup in the WAS transport line will allow the WRRF to continue to thicken, dewater and ultimately dispose of biosolids that are removed during the treatment process.

The total cost of this project is currently estimated at \$10,297,181, which will be allocated to GLWA and suburban customers similar to other wastewater system capital improvements. The PS-1 Ferric Chloride System Rehabilitation and Struvite Removal Project is eligible for participation under the State of Michigan low interest SRF loan program. The Public Hearing will present a description of the recommended project, its evaluation, estimated costs and cost per household impact for customer communities. The purpose of the hearing is not only to inform, but to seek and gather input from people that will be affected. Comments and viewpoints from the public are requested.

### THE MEETING WILL BE HELD ON:

- DATE:** Wednesday, June 13, 2018
- PLACE:** Great Lakes Water Authority  
Water Board Building  
735 Randolph  
5<sup>th</sup> Floor, Board Room  
Detroit, Michigan 48226
- TIME:** 1:00 p.m.

Information on the Project Plan will be available for review after May 11, 2018 at the following locations:

**GLWA Website:** [www.glwater.org](http://www.glwater.org)  
or  
**Great Lakes Water Authority**  
**Water Board Building**  
**735 Randolph, Suite 1601**  
**Detroit, Michigan 48226**

If you have questions or would like to submit written statements for the Public Hearing Record call or write:

**Jonathan Wheatley, Public Finance Manager**  
**Great Lakes Water Authority**  
**735 Randolph, Suite 1601**  
**Detroit, Michigan 48226**  
**(313) 224-4771**

Written comments will be accepted at the above address if received prior to 5:00 p.m. EST, Wednesday, June 13, 2018.

**Great Lakes Water Authority**  
**Sue F. McCormick**  
**Chief Executive Officer**

# GREAT LAKES WATER AUTHORITY

12-B

APPROVED <i>RNF</i>
MOTION # <i>18-188</i>

## PUBLIC HEARING NOTICE WATER CONVEYANCE SYSTEM FY 2019 STATE REVOLVING FUND (SRF) PROJECTS

APPROVED FOR AGENDA OF
<i>05-22-18</i>

The Great Lakes Water Authority (GLWA) announces a Public Hearing regarding its Project Plan for the proposed North Interceptor - East Arm Interceptor Evaluation and Rehabilitation Project, from the Water Resource Recovery Facility (WRRF) to Gratiot. GLWA will be seeking low interest State Revolving Fund (SRF) loan assistance for FY19. The project is comprised of the evaluation and rehabilitation of the North Interceptor - East Arm (NI-EA) which conveys approximately 29% of GLWA wastewater flows to the WRRF. The NI-EA was constructed in the 1970s and has seen limited maintenance and rehabilitation since that time and currently has defects that need to be rehabilitated. The NI-EA is an extremely important interceptor in the collection system and the consequences of failure are high. Therefore, this project is necessary to ensure that GLWA can rely on this critical component of the system to convey maximum wastewater flows to the WRRF, while mitigating historical problems with combine sewer overflows (CSOs), interceptor collapses, sink holes and residential basement flooding. The proposed project will significantly provide upgrades and improve the reliability of the NI-EA conveyance system.

The total cost of this project is currently estimated at \$20,936,000 which will be allocated to GLWA and suburban customers similar to other wastewater collection system capital improvements. The North Interceptor - East Arm Evaluation and Rehabilitation Project is eligible for participation under the State of Michigan low interest State Revolving Fund (SRF) loan program. The Public Hearing will present a description of the recommended project, its evaluation, estimated costs and cost per household impact for customer communities. The purpose of the hearing is not only to inform, but to seek and gather input from people that will be affected. Comments and viewpoints from the public are requested.

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