

Memorandum

To: The Honorable Board of Directors

From: Cheryl Porter, Chief Operating Officer – Water and Field Services

cc: GLWA Executive Leadership

Date: August 1, 2025

RE: **REQ-0005499, CIP #111012 – Lake Huron WTP Flocculator Improvements**

Cost: \$2,102,806.96 – Award to Philadelphia Mixing Solutions, LLC

Emergency Purchase Order Necessary to Meet Administrative Compliance Agreement between EGLE and GLWA regarding the Rapid Mix System at the Lake Huron Water Treatment Plant

We are writing to advise you of Water Operations action of authorizing an Emergency Purchase Order in the amount of \$2,102,806.96 to Philadelphia Mixing Solutions, LLC. This emergency Purchase Order is necessary to meet the Administrative Compliance Agreement (ACA) between the Michigan Department of Environment, Great Lakes, and Energy (EGLE) and GLWA regarding the rapid mix system at the Lake Huron Water Treatment Plant. Specifically, larger horsepower rapid mix equipment is necessary to achieve agreed upon mixing values with EGLE as part of the ACA.

Justification of this Purchase Order being an Emergency

Per procurement policy, there are three main criteria for a procurement to be considered as an Emergency Purchase. In the case of this procurement standard operating procedure defining an emergency purchase, any one of the following criteria must be met:

1. There exists a threat to public health or safety (including the health or safety of any particular person).
2. Immediate expenditure is necessary for repairs to GLWA property in order to protect against further loss or damage.
3. To prevent or minimize serious disruption in critical GLWA services that affect health or safety.

In the case of purchasing rapid mix equipment from Philadelphia Mixing Solutions, LLC, these criteria are met as follows:

1. The concern for public health has been raised by EGLE through their naming the existing rapid mix system as an outstanding issue of our operational permit.
2. The ACA between GLWA and EGLE sets May 15, 2026, as the agreed upon date for installation of rapid mix equipment with adequate mixing intensity. Given that the work must be done during the low demand period and the equipment has an expected lead time of twenty-eight weeks, GLWA will not meet the ACA if this purchase is not promptly authorized.
3. It is critical that the north rapid mixers be installed during the next low demand period. If GLWA were to attempt to install the north mixers during the high demand period, the Lake Huron Water Treatment Plant would have limited maximum production, providing a potential for service disruptions.

Procurement History

Three reputable mixer brands exist in this size. Of these three, two are different arms of the same company. Bid packages were sent to all three. Two quotations were received. One was found non-responsive and/or non-responsible. It missed the deadline, was missing required physical elements, and substituted materials to non-approvable materials. Therefore, the responsive and responsible bid was accepted from Philadelphia Mixing Solutions.

Engineer's Estimate of Probable Cost	Philadelphia Mixing Solutions, LLC
\$1,667,106.00	\$2,102,806.96

Given that this project was competitively bid, we believe the costs to be reasonable. The lowest responsible bidder's cost is approximately 26% higher than the Engineer's Estimate of Probable Cost. We believe the bidder is responsible and capable of performing the work.