



# KWA LAKE HURON PUMP STATION 4 PUMP OVERHAUL

**THE KAREGNONDI WATER AUTHORITY (KWA), MI,** consists of Genesee County, Lapeer County, Lapeer City, Sanilac County and the City of Flint. KWA is a Municipal Water Supply System incorporated under PA 233 of 1955 by the people of the State of Michigan. KWA was incorporated in 2010 and began its first fiscal year on October 1, 2010. The purpose of the Authority is to provide and distribute raw water to the region of the State of Michigan commonly referred to as the I-69 corridor. Operation began in the summer of 2017.



Re-installing pump with overhead crane.

## SUMMARY:

**Customer:**  
Karegnondi Water Authority, MI

**Partner:**  
John E. Green Company (JEG)

**Project:**  
Overhaul 4 Large Vertical Turbine Pumps

- Equipment:**
- Flowsolve Vertical Turbine Pumps
  - 2,000 HP
  - Nearly 60' Assemblies
  - Approximately 26,000 lbs each

**Result:**  
Lake Huron Pump Station will provide Lake Huron water for years to come.

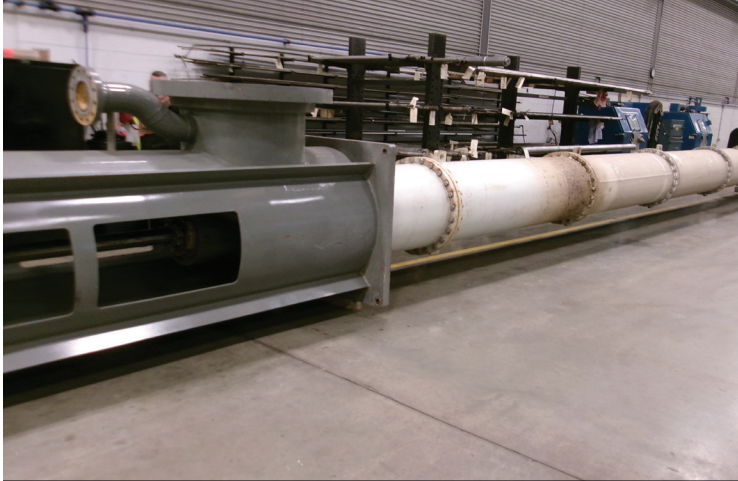
## THE PROBLEM

After 11 years of continuous pumping, the 4 pumps located at Lake Huron Pump Station in Jeddo, Michigan were due for an overhaul.

The pumps are large vertical turbine style pumps with 2,000 HP motors. The pumps and motors are tasked with moving raw water from the shore of Lake Huron to the Water Treatment Plant located in Columbiaville, Michigan, over 60 miles of transmission main.

**JEDDO, MI**

(Continued on next page...)



At approximately 60' and 26,000 lbs, this pump overhaul was no small task.



Putting a smile on our customers' faces since 1959.



The last pump was installed in May 2026.

## THE SOLUTION

Working with Kennedy Industries and John E. Green Company (JEG), KWA decided to start with the first of four pump overhauls in late 2024, with the last pump being removed in December of 2025. JEG was tasked with removing and re-installing the pumps, while Kennedy focused on rebuilding and starting up the pumps once repaired.

Kennedy's state of the art repair shop is well equipped to handle such large pumps with the pump length totaling at just under 60' with a weight of 26,000 lbs, this repair was no small task. Kennedy's dedicated technicians and machinery made the repair of all 4 pumps possible and seamless.

## THE RESULT

*With the last pump installed at the end of May 2026, the Lake Huron Pump Station is ready to provide drinking water for many years to come.*

### PROJECT OUTCOMES:

- Rehabilitated four critical pumping assets
- Extended service life of existing infrastructure
- Improved system reliability
- Reduced long-term operational risk
- Minimized disruption through phased execution
- Strengthened regional water supply resilience

