



Ypsilanti Community Utilities Authority Upgrades to Flygt Dry Pit Submersible Pumps to Maximize Efficiency

Ypsilanti Community Utilities Authority (YCUA) is a very forward-thinking utility when it comes to equipment upgrades that will improve employee safety, reduce maintenance and enhance operations. That is why YCUA personnel decided it was time to upgrade the pumps and valves at their East Michigan Lift Station. The station has been in service for nearly 40 years and was due to be modernized with newer technology.



New and Improved – Two Flygt NT3127 Dry Pit Submersible pumps.

SUMMARY:

Customer:

City of Ypsilanti, MI

Project:

Pump Upgrade

Equipment:

(2) Flygt NT3127

Dry Pit Submersible Pumps

Results:

YCUA has seen a 20% reduction in power consumption at the site, which contributes to their overall goal of improving the efficiency of operation for all of their customers.

THE PROBLEM

The East Michigan Lift Station upgrade project was scheduled to be part of the 2020 improvement plan and YCUA had already selected and purchased Flygt NT3127 Dry Pit Submersible pumps to replace their existing shaft-driven centrifugal pumps. Staffing restrictions due to Covid-19 limited maintenance personnel to only the most critical of tasks, and the Director of Maintenance determined that they could not free up the necessary personnel for the East Michigan equipment upgrade.

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BEFORE



The existing shaft-driven centrifugal pumps, after nearly four decades in service.



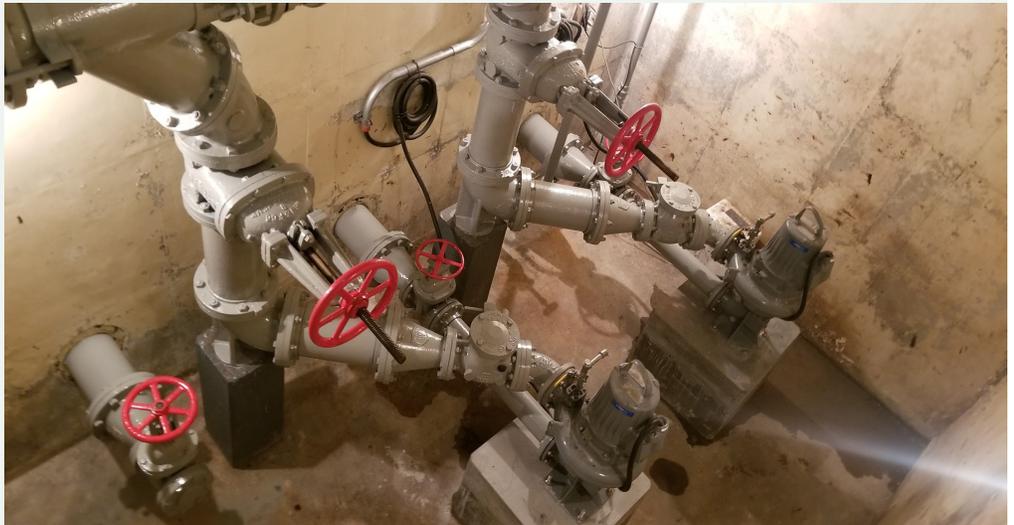
THE SOLUTION

YCUA and Kennedy Industries developed a plan for the pump replacements. Kennedy's on-staff engineers and experienced field technicians drew up a layout and determined the materials that would be needed to complete the upgrade. Working together, YCUA and Kennedy developed a step-by-step plan to complete the station upgrade without any service interruptions to YCUA customers and with minimal burden on YCUA staff.

AFTER



With the new Flygt NT3127 pumps, every component is designed and manufactured to deliver sustained high efficiency. Thanks to its innovative self-cleaning impeller, Flygt N-pumps help lower energy costs and reduce unplanned maintenance.



THE RESULT

YCUA has now completed one of their major improvement projects and has a safer, more efficient lift station at their East Michigan site. Since the pump replacement project was completed, YCUA has seen a 20% reduction in power consumption at the site, which contributes to their overall goal of improving the efficiency of operation for all of their customers. Following this project, YCUA and Kennedy are evaluating other stations for potential upgrades.