



PO Box 4949, Syracuse, NY 13221-4949

EAST HILL PUMPING STATION IMPROVEMENTS
TOWN OF MARCELLUS
MARCH 2017



Over the winter OCWA replaced two of the large vertical turbine pumps at the East Hill pumping station in Town of Marcellus. This station provides Otisco Lake water up into the Onondaga Community College area. This is an important pump station and is also one of our highest operating pressure pump stations with over 230 psi of pressure on the discharge side. We observed several of the pumps were not performing up to their design. After completing an internal evaluation of options to restore performance and improve efficiency, we decided to refurbish the existing pumps in lieu of total replacement. Reuse of the pumps minimized the cost of the work and prevented the need to replace other station components.

Each of these pumps is over 15 feet tall (excluding the motor), has 9 stages of impellers, is 125 Horsepower and is capable of over one million gallons per day of pumping. These pumps do a lot of work lifting the water from elevation 730 up to elevation 1,220.

Replacing a pump of this size requires teamwork. OCWA greatly appreciates the help provided by the Onondaga County Department of Water Environment Protection (OCDWEP) who provided their crane truck and skilled operators to assist us in removing and reinstalling each pump.



Questions or concerns can be addressed to Andrew Weiss at 315-455-7061 x 3108, or ajweiss@ocwa.org, or at the address above.