

**Academy Hill Pump Replacement
Town of Manlius, New York**

Starting April 16th 2018 OCWA is working on the Academy Hill PS on Seneca Turnpike in the Town of Manlius. The work consists of the complete mechanical rehabilitation of the pumping station. The existing equipment (shown right) is aged, undersized, and configured in an inefficient manner. The overall building footprint will remain unchanged. Inside the piping, valves, and pumps will be replaced with new, larger and better arranged components. Upon completion, the new pumps will be capable of moving over 400 gallons per minute into the academy hill system and recently constructed Eagleview water storage tank. They will do so at greater efficiency than the existing pumps and at slightly higher pressure. This will allow OCWA to utilize the full capacity of the Eagleview tank and improve the normal operating pressure slightly for residents at the upper elevations of the service area.



During the work, water will be pumped utilizing the engine driven bypass pumping system (shown below) currently located adjacent to the existing building. This self-contained pumping system operates just like the pumping station and is connected into OCWA's remote control system for monitoring and control. The pump is specially designed for residential areas and makes very little noise when running.



This project is also a test-case for OCWA. The evaluation, design, specification, procurement, and construction are all being performed inhouse by OCWA staff. This results in a substantial cost savings compared to traditional project delivery methods. Upon completion we will evaluate the effectiveness and cost savings

to determine if we should perform similar projects this way in the future.

We do not anticipate any interruption in water service during the work. We anticipate completing the project by mid-May 2018 and removing the temporary pump and restoring the site by the end of May. If you have any questions you may direct them to our Executive Engineer, Andrew Weiss, at ajweiss@ocwa.org.