

## **Proposal for Equipment Replacement at the WWTP**

The non-potable water system at the wastewater treatment plant is utilized for many functions. It serves to flush tanks during tank maintenance and cleaning, is necessary to clean the grit collection system and bar screens, and also is necessary to run the fan press to dispose of solids at the plant. Therefore, many factors that can draw down the pressure in the water lines exist. To overcome this, the non-potable system has a computer which controls the pump speed to adjust to the needed flow to accommodate all these processes as they cycle on and off.

There have been many problems with the computer and software in the past that control this system. While some of the fixes have occurred under warranty, the system is no longer covered. The system is currently operating in "Hand", as opposed to "Automatic". This means we are currently running the pumps close to their maximum operating speed, given the system is unable to modulate itself without the computer being fully operational. The current software company is based on the east coast and will not allow one of our contractors (Toric Engineering) to have access to their program to be able to fix the logic in the system. Therefore, we are seeking to have Toric create a custom software program that will allow the non-potable system to function as it should, and will allow us into the programming at any point into the future if more problems should arise.