

Church St Hilton

The SDI flow meter measuring primary loop flow has been providing incorrect measurements since 7/22/2017. The flow after the meter malfunctioned is approximately 0.25 gpm (Figure 1). To allow for heat recovery to be calculated, flow has been stipulated to 296.81 gpm, which is the average flow from 4/1/2017 to 7/22/2017.

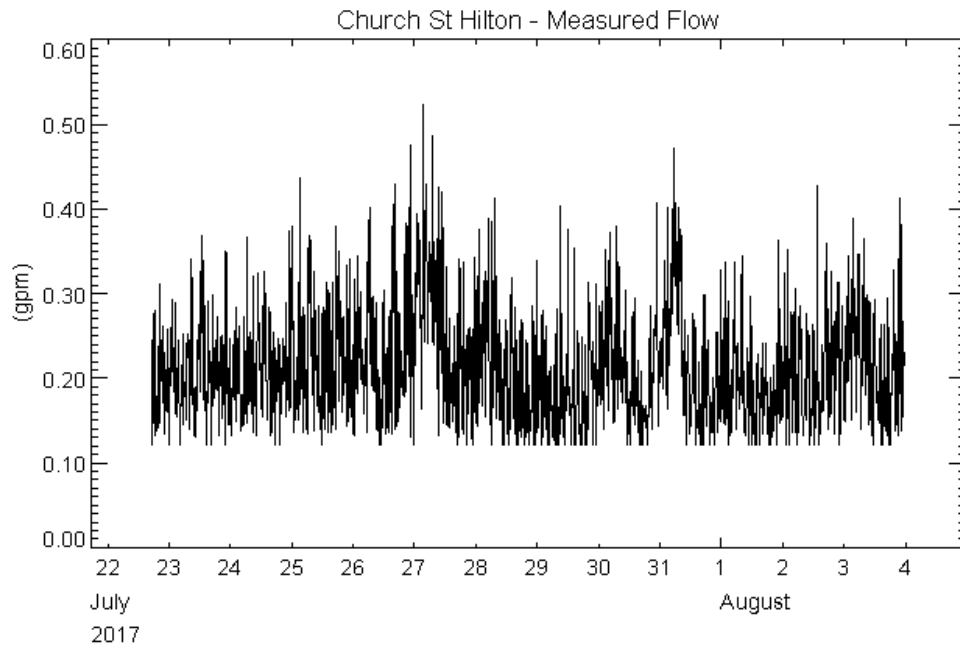


Figure 1. Incorrect Flow Measurements after 7/22

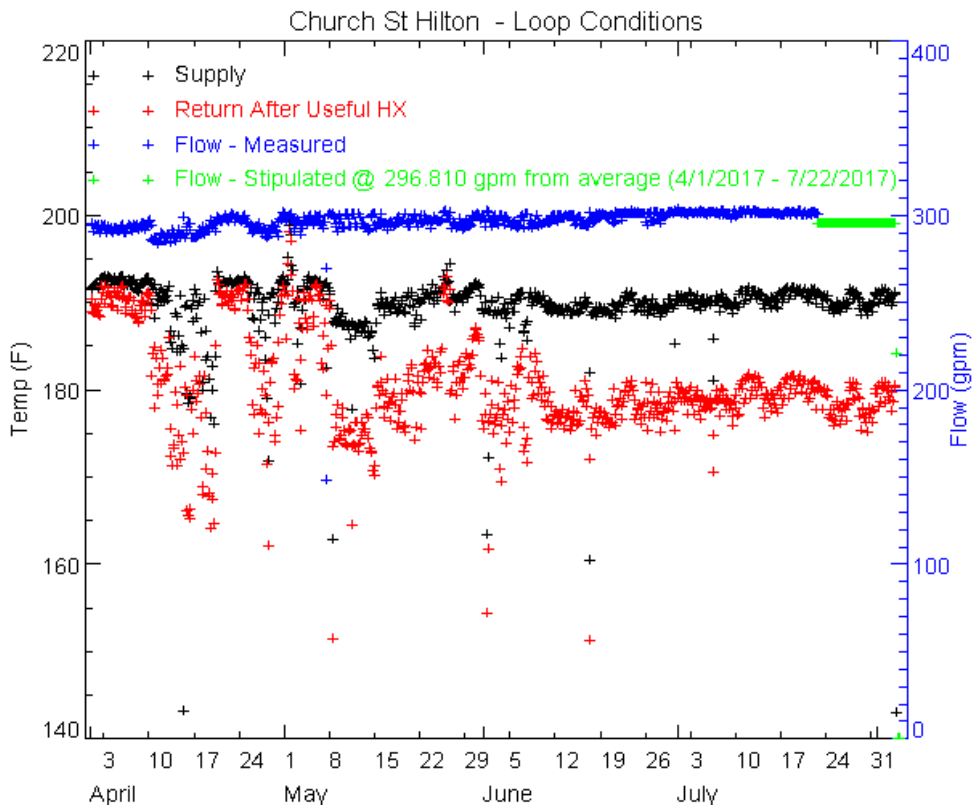


Figure 2. Loop Conditions with Measured and Stipulated Flow

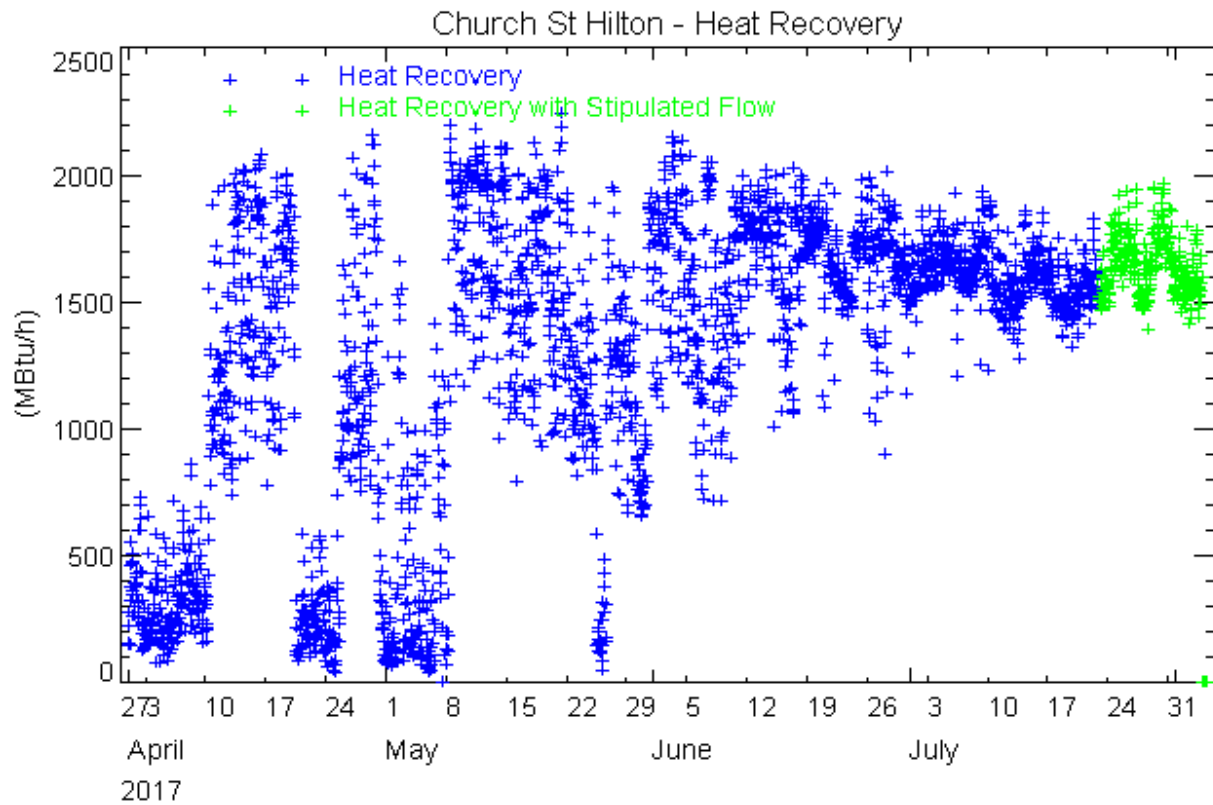


Figure 3. Heat Recovery with Measured and Stipulated Flow

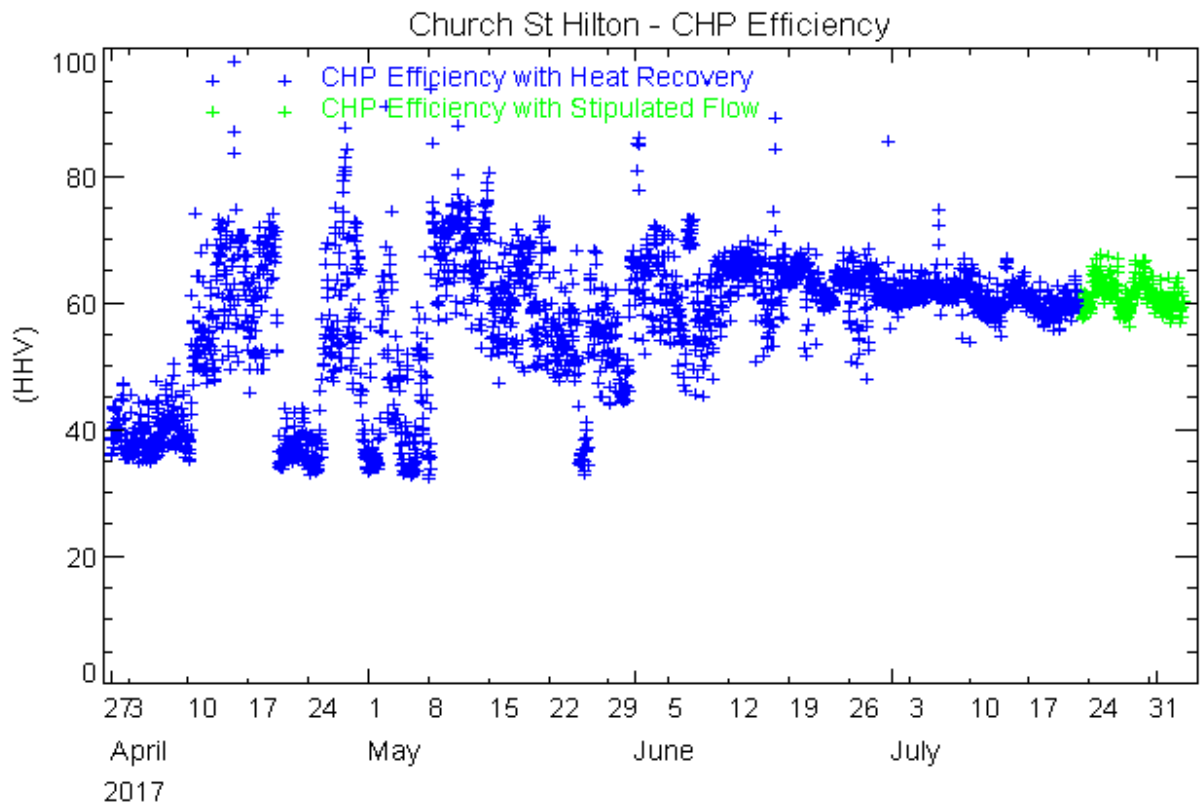


Figure 4. CHP Efficiency with Measured and Stipulated Flow