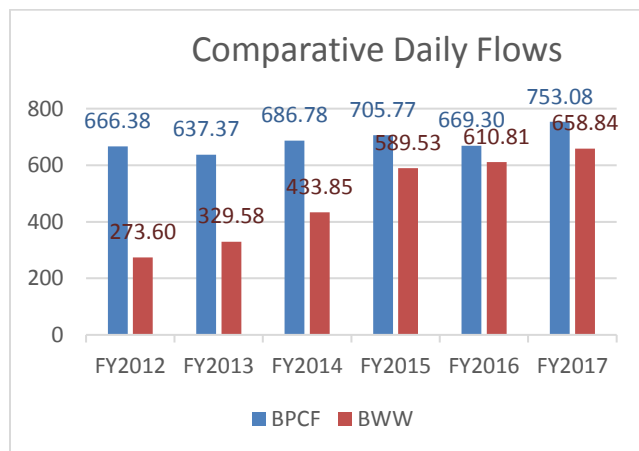


Wastewater Treatment Plant

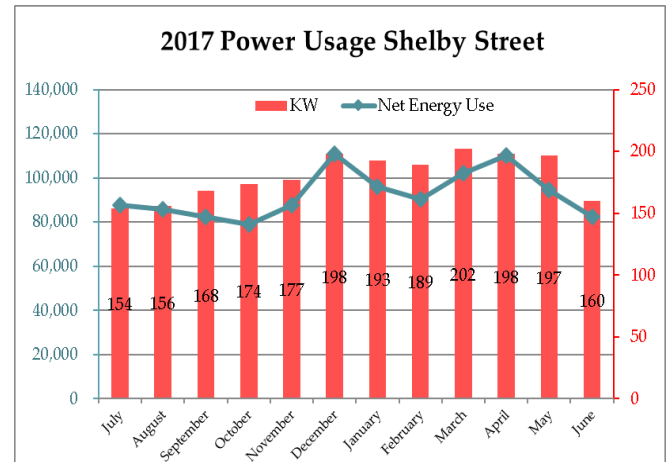
Last fiscal year, Berlin's Pollution Control Facility processed 753.1 million gallons of sewerage from the City. We also processed 23.3 million gallons of Leachate from the Mt Carberry Landfill. On top of which we accepted and treated almost 417,100 gallons of Septage waste from outlying communities not on their own sewer systems (ie, septic tanks). Whereas the Influent Flow increased by 11 % and the Septage deliveries by 17 %, the Leachate flow remained the same year on year.

A comparison we like to make is that the amount of water Berlin Water Works (BWW) supplies to the City each day should be approximately the amount of water Berlin Pollution Control Facility (BPCF) treats after traveling through the Sewer Collection System, over the course of a year. Last year (FY2017) BWW produced about 658.8 million gallons of water for use in the City; BPCF on the other hand had to treat 753.1 million gallons of City Sewerage, or 114% more than BWW produced. We attribute most of the discrepancy to Inflow and Infiltration into the Collection System; the City has corrected many leaks into the sewer pipes in the past few years.

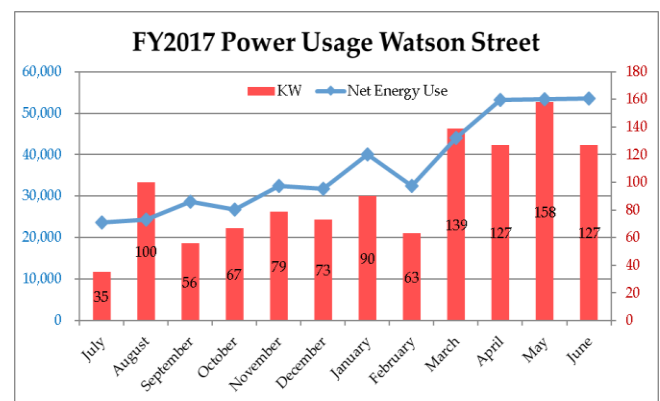


As part of our process we produced 1,539 tons of dried municipal sludge that we trucked up to the AVRDD landfill for disposal. The treatment process removed 91.2% of the BOD (Biochemical Oxygen Demand) and 96.9% of the TSS (Total Suspended Solids) which came in with the sanitary sewer flows.

Average monthly power usage at the Main Plant (Shelby Street) increased to 92,488 kWh (108%) and at our main pump station at Watson Street it increased to 37,017 kWh (119%). Average monthly energy usage at the Main Plant (Shelby Street) increased to 181 KW (103%) and at our main pump station at Watson Street it decreased to 93 KW (91%) year on year.



The energy usage (KW) follows the peak flows in the sewers; this is a measure of the success of the City's program to reduce Inflow and Infiltration into the Sewer System. Weather drives our Flows and Autumn through Spring proved wetter than last fiscal year.



Some Capital Projects this year included new Septage Pumps, new Hatch Covers for the Septage Tank, aluminum grating to cover our Chlorine Contact Tanks, and a major pump rebuild at Watson Street Pump Station.

Respectfully Submitted,
Henry Noel, WWT Superintendent