



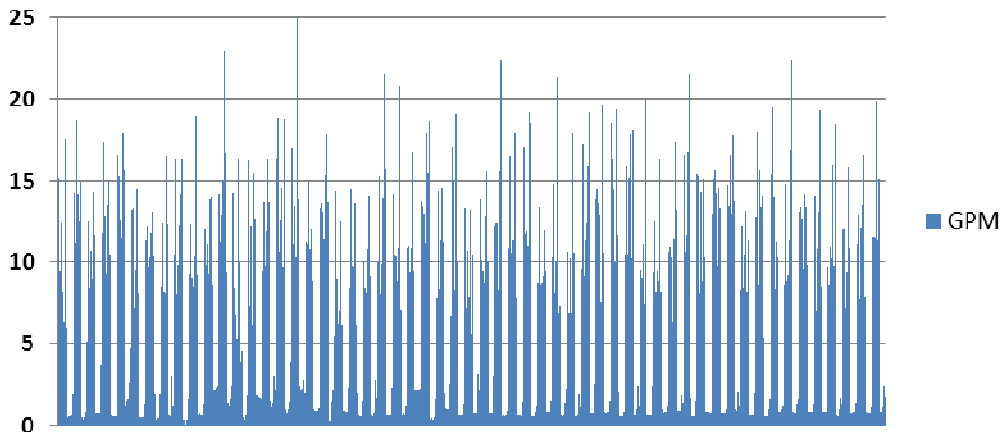
TRANSPARENT TECHNOLOGIES

Advanced Metering Information



Short Intervals = Accurate Peak Flows

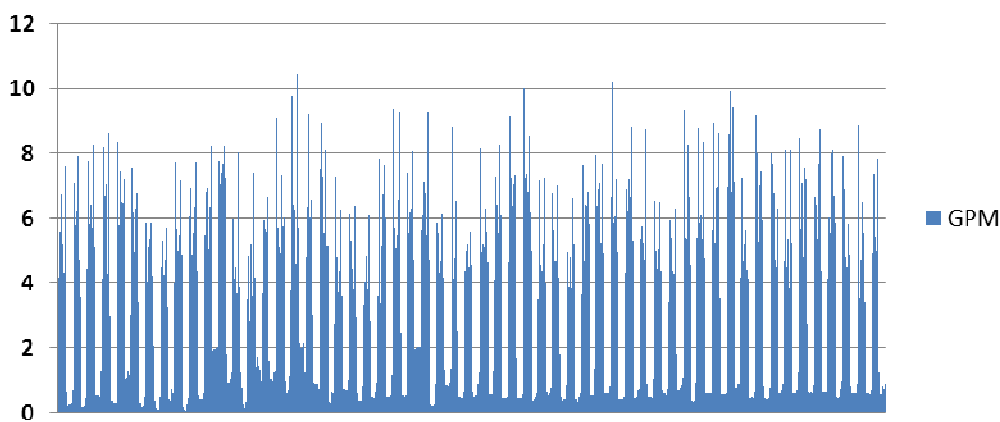
GPM - 5 Min Intervals - Max Flow 25.2 gpm



Flowrate conversion to GPM averages the consumption across 5-minute intervals. This resolution still captures most of the peak flows and presents a fairly accurate flowrate useful in detecting lowflow leaks as well.

5-minute intervals are 12x better than hourly intervals and 288x better than daily intervals.

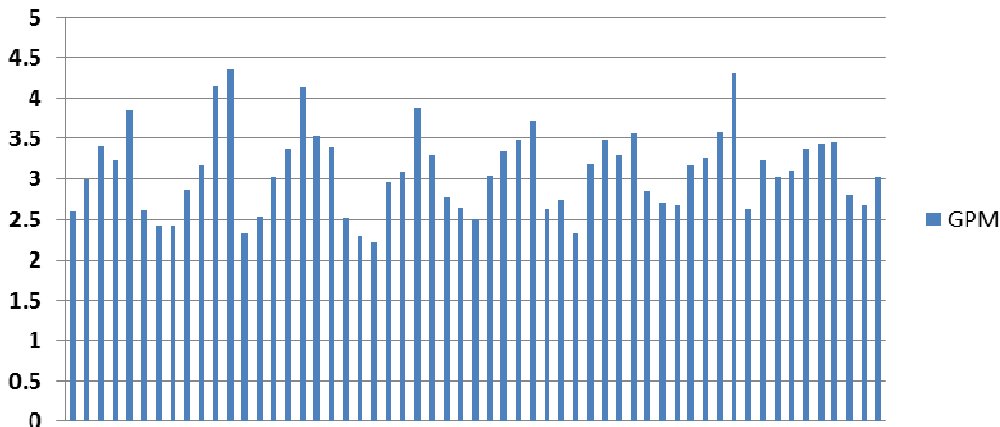
GPM - 1 Hour Intervals - Max Flow 10.45 gpm



Converting Flowrate to GPM with Hourly intervals averages consumption across 60 minutes.

This "Time Bucket" datalogging is not useful for verifying true peak flows or low flow leaks.

GPM - 24 Hour Interval - Max Flow 4.35 gpm



Flowrate conversion to GPM with Daily intervals averages the consumption across 1440 minutes.

This format makes it impossible to determine peak flows and is virtually useless in detecting lowflow leaks.



TRANSPARENT TECHNOLOGIES

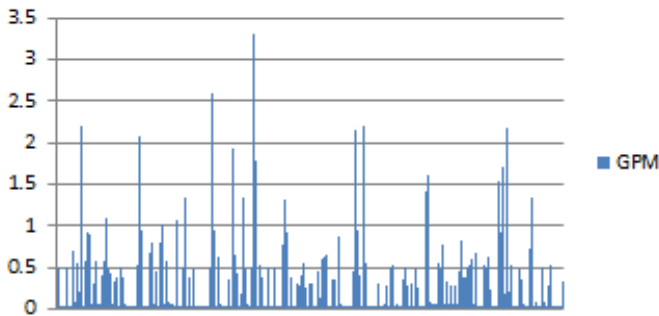
Advanced Metering Information



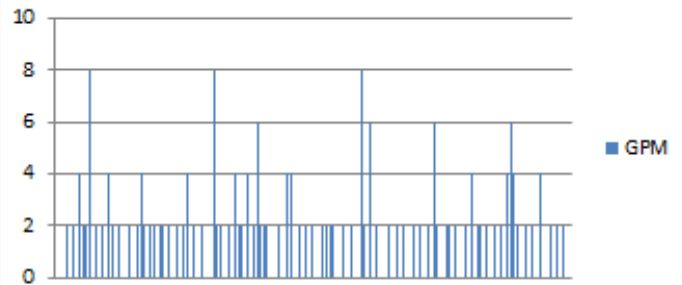
High Resolution = True Low Flow Leak Detection

**5 Minute Interval Datalogging
Comparisons with Changing Resolution
on a Neptune 5/8" T-10 Measurer.**

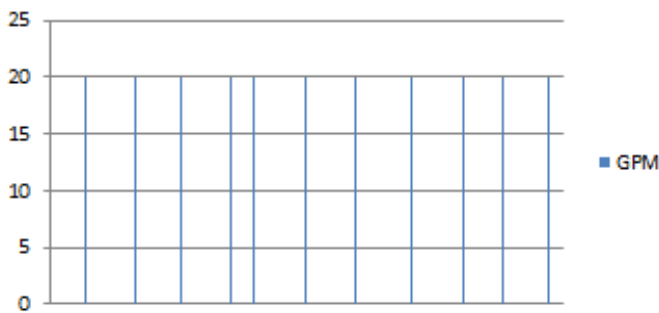
GPM - 5min Interval **Sub 1G Resolution**
Obvious 0.03 gpm Leak
Innov8 Register



GPM - 5min Interval **10G Resolution**
Leak or No Leak?
Mechanical Register



GPM-5min Interval **100G Resolution**
No Leak Information
Mechanical Register



GPM-5min Interval **1000G Resolution**
No Leak Information
Mechanical Register

