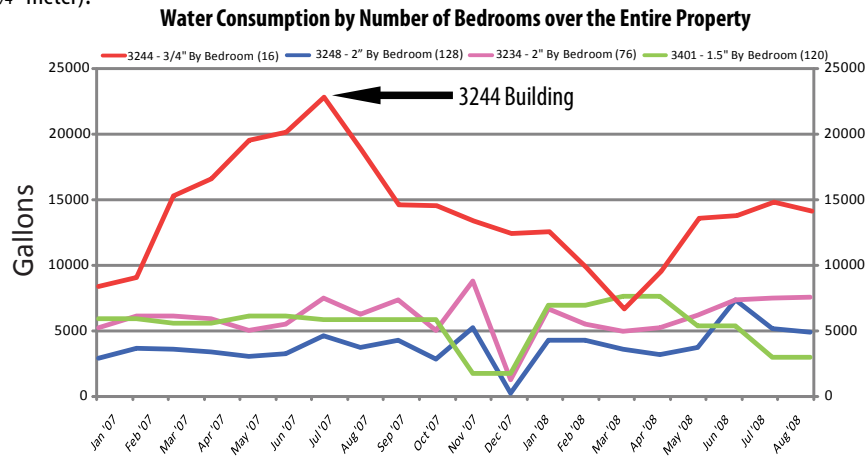


## Why Every Multifamily Property Should Have WaterSignal - A Case Study

An undetected leak at an Atlanta, Georgia property resulted in water and sewer charges of \$38,000 for just 16 units over a two year period. **There were no apparent signs of a leak.** The property manager was concerned about the cost, but she didn't know where to start investigating, so she turned to WaterSignal.

The first priority was to immediately establish a usage history, which we based on past water and sewer bills for the entire 250 unit property. Each line on the graph below represents one of the four water meters serving the property and is based on the number of bedrooms served by that meter (the red line represents the 16 units in the 3244 building served by a 3/4" meter).



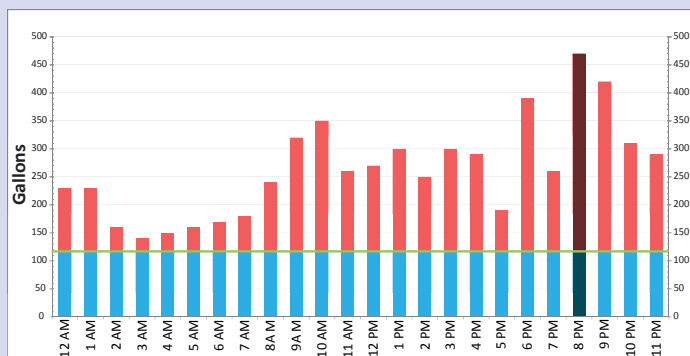
As can be seen from the graph, the 16 units in the 3244 building had a consistently higher consumption level than the other units on the property; in fact 200% higher than the county average. To obtain more accurate data, WaterSignal installed its monitoring systems and collected water usage data for one month.

Water usage was measured hourly. Hourly monitoring showed water usage over the course of each day for the 16 units. Water usage never went below 135 gal./hour, even during the hours from 12am to 5am - the equivalent of 420 toilet flushes during the wee hours!

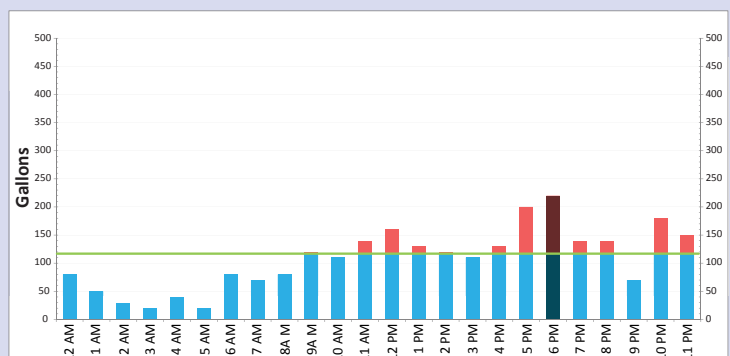
**Results** - With such a large amount of water usage throughout the day and night, the only explanation was there had to be a leak - but where? There were no clues, no soggy ground, no surface water. So, starting at the street, the property crew dug a trench 60' long and 5' deep to finally locate and repair the leak. Mystery solved: The 5 foot deep leak flowed underground to a nearby creek!



**Hourly Water Consumption of the 16 Units BEFORE Leak Repaired**



**Hourly Water Consumption of the 16 Units AFTER Leak Repaired**



**After the Leak was Repaired, Usage Dropped by more than 3350 Gallons per Day!**