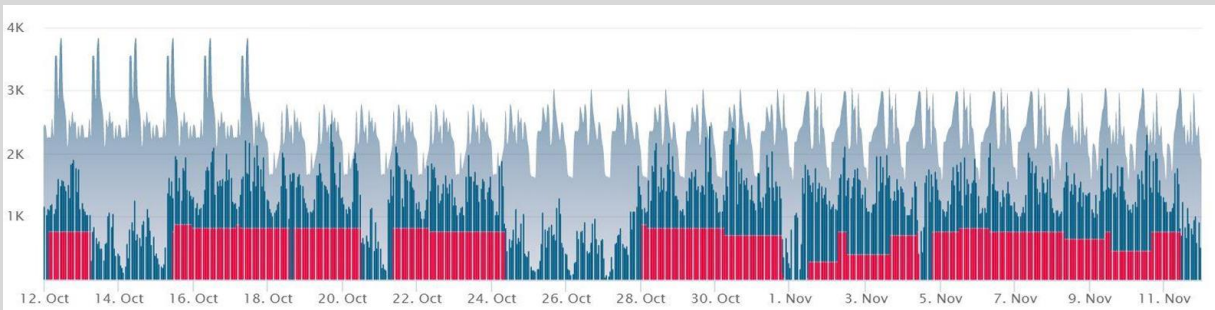


Case Study

Broken Fixtures Found

BACKGROUND:

A medium-sized residential apartment building in London, Ontario, faced unexplained water usage spikes that resulted in concerns over excess water consumption and potential leaks. The building's water usage was remotely monitored using a WATERSHIELD FLOWIE-O, installed on the main municipal water meter. This system uses algorithms to analyze water flow patterns and identify anomalies such as leaks or excessive consumption.



PROBLEM IDENTIFICATION:

Typically, the building's water usage followed a predictable daily pattern: peak consumption occurred in the early morning as residents prepared for the day, and again around mealtimes. At night, water usage dropped significantly as residents slept. However, from mid-October to mid-November, the FLOWIE-O recorded unusual water usage patterns, with several extended periods where consumption was nearly double the normal rate.

SOLUTION:

Upon receiving the alerts, WATERSHIELD analyzed the building's water usage data and scheduled an inspection to identify the cause of the abnormal consumption. During the inspection, several minor plumbing fixture leaks were identified in the building, including: leaking showerheads and leaking taps in various units. Once these worn out fixtures were replaced, water consumption return to normal.

CONCLUSION:

WATERSHIELD is happy to contribute to water conservation, creating consistent consumption patterns, water bill cost savings.



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