WATERSHIELD

CASE STUDY

Water loss in a medium sized residential apartment building in London Ontario. The water usage of the building is remotely monitored using an Alert Labs Flowie on the main municipal water meter. The Alert Labs algorithms compare water usage patterns and flow rates to identify potential leaks and excess water consumption.

Typical water usage profile of this type of residential building closely reflects the life pattern of the residents. Typically, consumption is greatest in the early morning as residents prepare for their workday and peaks are also seen around mealtimes with food preparation and cleanup. During the nighttime typical water usage is quite minimal as residents sleep.

From mid-October to mid-November, the Alert Labs Flowie recorded an unusual pattern of water use at Granite House. Although there were periods with a normal water consumption during the month, there were also extended periods when the water usage was approximately double the normal usage rate. WATERSHIELD was receiving intermittent alarms regarding the water use at this property.

We analyzed the usage profile and scheduled an inspection to determine the cause(s) of the excess water use or loss. The inspection revealed a number of minor plumbing fixture leaks, (shower heads and taps), that were resolved and the building now shows a normal and consistent pattern of water usage.

Water Usage Profile from October 12 – November 11: Average daily usage 30.5 m3/day.

Conserve   Protect

Water Usage Profile from November 12 - 18: Average daily usage 14.3 m3/day.

Water Usage

Save Data

RANGE
1D 1W 1M 1Y BILL CUSTOM

UNIT
L $

RESOLUTION
HR DAY

NOV 12 - 18

○ Expected High
● Actual Usage

During This Period

92.8K L TOTAL   **552** L / HOURS AVG

SUMMARY:

Since the inspections into water usage/loss have been conducted, the water consumption at this property has been reduced by approximately 50%. The resolution of this excess water loss will result in the saving of approximately $2,200.00 per month.

WATERSHIELD is happy to have contributed to this resolution.