

# WaterSignal detects plumbing malfunction for metro Atlanta university

## 1. BACKGROUND

On August 30th, 2016, WaterSignal installed devices to monitor various campus water meters for an Atlanta university.

With seven campuses throughout metro Atlanta, the university boasts a rich experience with award-winning housing, hundreds of student clubs and organizations, and one of the most diverse student bodies in the country.

## 2. ANALYSIS

On March 30th, 2018, WaterSignal alerted facility managers to rapidly climbing usage on a main domestic water meter.

When the WaterSignal device detected consumption exceeding the hourly preset limit, facility managers were instantly notified via SMS text and email.

## 3. SOLUTION

Upon receiving the alert, facility managers began inspecting water fixtures throughout the affected building. The source of the excess water usage was soon discovered and recognized as a urinal valve malfunction.

After making the necessary repairs, facility managers found that water usage had returned to normal.

## 4. BENEFITS & RESULTS

WaterSignal provided facility managers with real time water data trends, allowing them to see the complete picture of gallons used.

Had the issue remained undetected, the university would have continued to use over 270,000 gallons per week; more than 269,000 gallons over the average weekly usage the previous year.

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### ***After the installation of WaterSignal's real time water monitoring, the following findings were evident:***

- » Real time water monitoring provided instant access to hourly data trends
- » WaterSignal's 24/7 leak alerts quickly discovered the leak and alerted property management via SMS and email
- » Plumbing malfunction was discovered and repaired
- » Savings of over \$7,800/week (Based on local water/sewer rate of \$29.20/1000 gals)

