

## Chiller ON, Chiller OFF, Then Repeat

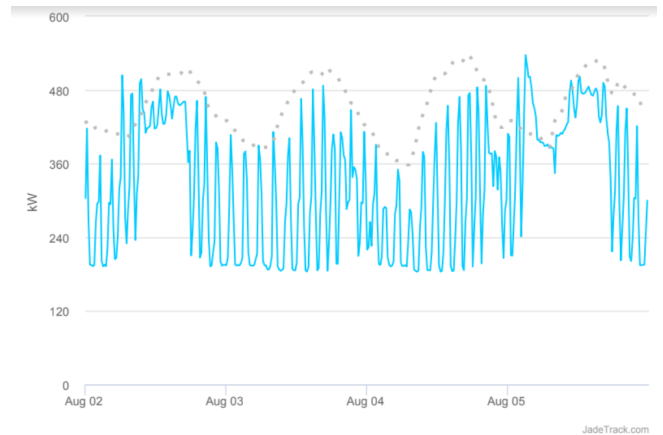
### Product: Real-Time Energy Monitoring

With the cost of natural resources redefining the way we do business, many organizations are looking for ways to lower operating expenses, integrate sustainability, and improve environmental stewardship. By converging technology and principles of sustainability it is possible to effectively manage the rising costs of resources like energy and water. This is a case study of those principles in action.

**Results:** reduction in energy usage and an increase in chiller equipment life cycle!

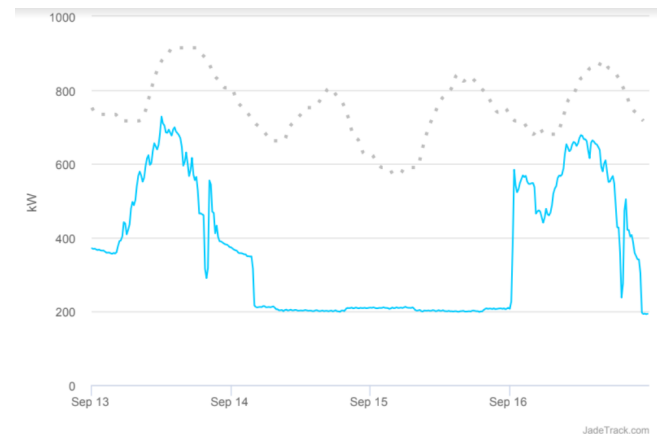
### The Challenge: rogue equipment causing energy waste

The LEAP team was concerned when we saw a large cycling trend in late summer. We made a site visit to physically confirm the usage pattern and identify the building's chiller was short cycling. After investigating the chiller's internal controls and safeties, we determined logic within the building's automated control system was causing the short-cycling to occur.



### The Results: smooth operator

When the Owner implemented Limbach's recommended control sequence, the chiller's operation immediately relaxed into a smooth operating curve. This new mode of operation will not only save energy costs but also reduce undue wear on the equipment potentially increasing it's useful life.



### The Future:

LEAP engineering is now working closely with the customer's control team to continue fine tuning other equipment sequences to ensure optimum energy performance while maintaining occupant comfort.

# Ready to get started?

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