

# Energy Intelligence in Action

Education budgets don't have any room for inefficiency. To address this challenge, school administrators must continually seek opportunities to manage costs and reduce waste.

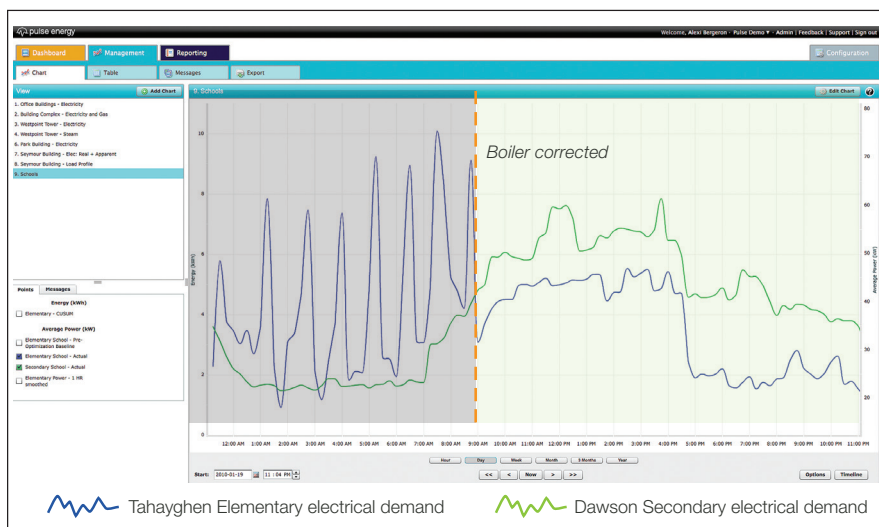
Learn how Pulse Energy helped British Columbia School District 50 to increase efficiency and save money.

## Uncovering Inefficiency

In the fall of 2009, BC School District 50 connected several of their buildings to the Pulse™ Energy Information System in an effort to improve the district's energy performance. Almost immediately, the software was able to uncover a significant opportunity for savings.

When SD 50 staff utilized Pulse to compare the district's schools, they discovered that one of the buildings was using a disproportionate amount of energy per sq. ft. With this inconsistency identified, an operations manager was then able to use Pulse to diagnose the issue.

As seen below, the software's comparative profiling showed a series of unusual spikes in electricity demand. This unique perspective helped to identify the problem as a malfunctioning electric boiler.



Pulse™ Management view shows energy demand profiles for both schools.



**SCHOOL DISTRICT 50**  
*Haida Gwaii*



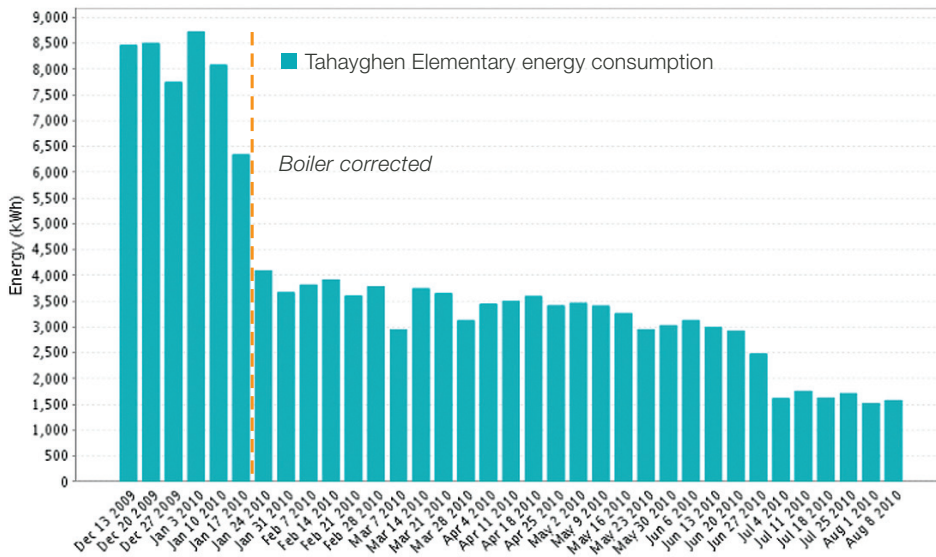
School District 50 is located in Haida Gwaii, British Columbia.

## Summary of Savings

This correction resulted in a 50% reduction in energy consumption, with monthly savings of 22,000 kWh, or more than \$2,000.

## Discovering Savings

After the malfunctioning boiler was repaired, administrators were able to validate the improved energy performance by using Pulse to visualize the change in consumption. The result was better than expected; staff had been able to reduce energy use by 50% and operational costs by \$2000 per month. To communicate their success, SD 50 administrators were able to use Pulse to create various comparative reports that clearly quantified the energy saved.



## Maintaining Performance

School District 50 staff members are now able to maintain energy performance, seek out additional opportunities for savings and quickly identify anomalies to avoid unnecessary cost.

By continuing to use Pulse, SD 50 continues to save time and money.

## About Pulse Energy

Pulse Energy helps utilities to improve energy efficiency and customer satisfaction. We do this by enabling commercial and institutional clients to better understand and manage their energy consumption.

Pulse™ is a scalable web-based software platform that promotes energy intelligence, improves energy efficiency, engages building occupants, and accurately measures and verifies energy performance.

“ A malfunctioning boiler is costly, wasting tax dollars that could be spent in a more useful way in the education system. We will be using Pulse™ to make sure we are aware of these kinds of problems and help us ensure this doesn't happen again. ”

Ken Campbell  
 Secretary Treasurer  
 School District 50  
 Haida Gwaii