

Pulse™ Client Case Study: School District 50 – Haida Gwaii



Tahayghen Elementary School achieves 50% drop in energy consumption and saves thousands of dollars

Responsible for managing all schools in Haida Gwaii, British Columbia, School District 50 required a method of benchmarking, monitoring and analyzing real-time energy trends to improve energy efficiency and optimize electrical demand. In addition, the school district wanted to provide its facility managers with immediate alerts when heating systems did not operate as commissioned. To this end, Pulse™ energy management software was installed in several schools in the district in the fall of 2009.

Energy consumption patterns at Tahayghen Elementary were immediately noted as unusual when compared to nearby George M. Dawson Secondary. Although 20% smaller, Tahayghen was consuming twice as much energy as Dawson. School administrators were alerted and upon further investigation, the culprit – a malfunctioning boiler – was identified and corrected on Jan. 20th, 2010 at 8:55am (**Figure 1**).

Continued monitoring of Tahayghen Elementary’s energy consumption and demand by Pulse™ software will ensure persistence of savings for School District 50 and British Columbia’s taxpayers (**Figure 2**).

Persistence of Savings



Figure 1 - The circled point highlights the exact time when Tahayghen Elementary’s boiler problem was corrected. Tahayghen Elementary’s energy consumption (represented by the red line) now mirrors a similar pattern to Dawson’s (the blue line).

This correction resulted in a 50% drop in energy consumption, with savings of 22,000 kWh, or more than \$2,000 in the first month alone.

“ 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

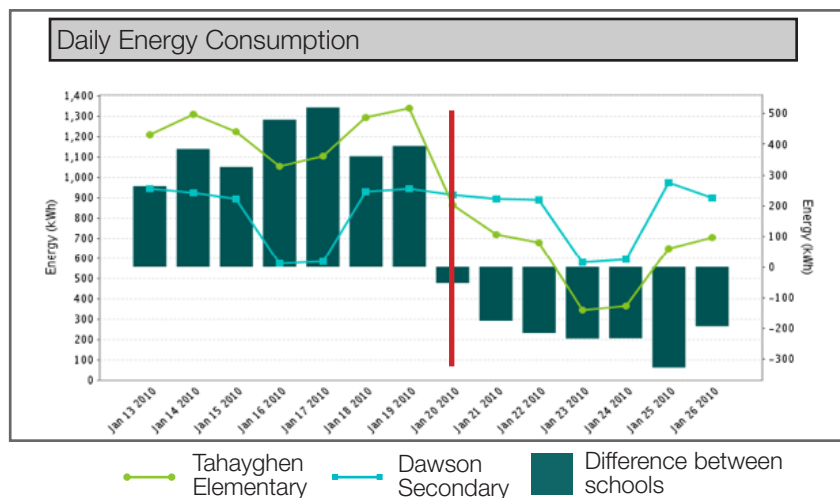


Figure 2 - Tahayghen Elementary’s boiler was fixed on Jan 20th, 2010. On that day, energy consumption dropped and remains below Dawson Secondary.

Pulse Energy Inc.

600 - 576 Seymour Street
Vancouver, BC
V6B 3K1

t: + 1 778 331 0500
f: + 1 778 331 0501
www.PulseEnergy.com

Want to learn more?

E-mail us at info@PulseEnergy.com to request more information or schedule a demo