



Sustainability Success Story

Controlling Video Machine Operation reduces electric cost by \$800 a year

The Challenge

An energy audit determined 13 video machines were on 24 hours a day at two campus locations. The machines had no easy means of turning them off when campuses were closed.

Our Solution

The solution was wiring alterations, and adding relays to allow our existing building automation system to automatically turn off the video machines when campuses are closed.

The proposed project was forwarded to BCHydro for approval from their Epoints funding. Once approval was granted, the project was implemented and entirely paid for by BCHydro.

Project Cost, Annual Savings and Other Benefits

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| <i>Project Cost</i> | \$3,500 |
| <i>Project Savings</i> | \$800 per year (Electrical / Natural Gas costs) |
| <i>Electricity Savings</i> | 16,000 kWh |
| <i>Simple Payback (years) / Return on Investment (ROI)</i> | 4.4 Years / A Return on Investment of 23% |
| <i>Environmental Improvement - Greenhouse Gas Reduction</i> | Reduced emissions of 6 Tonnes of GHG |
| <i>Environmental Improvement – Other</i> | Reduced transportation & landfill footprint |
| <i>Other Benefits</i> | Demonstrates Leadership, Commitment, the Sustainability Process, improved Risk Management benefits. |