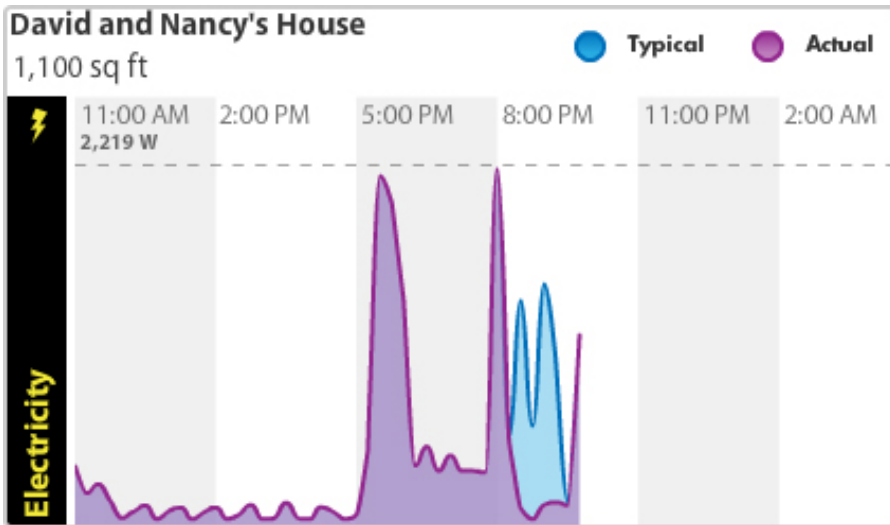




2010 RESULTS

Pulse Energy is back on board with WWF’s Earth Hour 2010 to encourage organizations to take part in Earth Hour and to make a commitment to action on climate change through ongoing energy conservation.

Pulse energy management software has been primarily designed for use in commercial, institutional and industrial settings, but for Earth Hour 2010 we decided to have a bit of fun and are collecting data for our corporate office, a number of homes around the Greater Vancouver area, as well as buildings at SFU.



The graph above shows the actions of Pulse Energy CEO David Helliwell during Earth Hour. You will notice that there is a sharp decrease in energy consumption during Earth Hour, 8:30pm – 9:30pm, as David turned off and unplugged all of the devices and appliances he could. By looking at the difference between actual and typical consumption, you will notice that David was able to save 97% against what he consumed the previous Saturday. Below, you will find the % savings for other buildings that were monitored by Pulse Energy for Earth Hour 2010

www.pulseenergy.com/earth-hour-2010

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David and Nancy's House:

David Helliwell, CEO Pulse Energy: Nancy was one of the first people in Canada to receive her LEED certification, and I have long been an energy efficiency nut. In 2004 we did a green reno of our 27th floor condo, using Canadian Maple hardwood, low-energy lighting, and more efficient blinds. Electric heating is not required unless the outside temperature gets close to freezing.

Savings

97%



Graham and Samantha's House:

Graham Cunliffe, Pulse Energy Systems Engineer: We just moved into this open plan loft and have started creating a baseline of energy usage. The plan to install CFLs, occupancy sensors, and programmable thermostats once there is enough business as usual data so that we can see exactly how much energy is saved due to these sustainable measures.

Savings

94%



Mike and Amy's House:

Mike and Amy have installed CFL lights, occupancy detectors and programmable thermostat controllers to help reduce energy usage. They have also set up different heating programs for the weekdays and weekends.

Savings

94%



Sadhu and Manada's house:

Sadhu Johnston, City of Vancouver Deputy City Manager: "Manda has a business teaching people how to green their homes. Yet, she says Sadhu is the energy efficiency stickler. We live in a rented place with old appliances. We keep looking around wondering: can we do without the fridge? The competitive spirit has hit. For Earth Hour Sadhu and Manda unplugged their entire home.

Savings

85%



Pulse Energy Office:

Pulse Energy occupies 2 floors of the Arts and Crafts Building at 576 Seymour Street. Originally constructed in 1910, the building has been well maintained and upgraded. Shortly after occupying the office, Pulse energy management software was installed to monitor the energy consumption on both floors, ecobee thermostats were wired to manage heating and a number of energy and waste reduction strategies were implemented. For Earth Hour, systems engineers at Pulse Energy turned off all non-essential loads.

Savings

48%



SFU - Academic Quadrangle:

For Earth Hour, SFU sent out a Campus-wide notification for staff to shut off lights and equipment during the one hour event. Facilities Management also scheduled equipment for shutdown wherever possible.

Savings

2%



SFU - Gymnasium:

For Earth Hour, SFU sent out a Campus-wide notification for staff to shut off lights and equipment during the one hour event. Facilities Management also scheduled equipment for shutdown wherever possible.

Savings

5%

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GM Place:

Al Hutchings, Director Engineering GM Place: General Motors Place has taken advantage of B.C. Hydro Power Smart initiatives and currently uses lighting fixtures and Variable Frequency Drive units that help to limit our electrical power consumption. We are currently upgrading to LED Lighting technology where possible in the building. For Earth Hour we will be turning off all non-essential Lighting and HVAC loads. We will also be encouraging Canuck Sports and Entertainment Staff to participate at home.

Savings

84% game days

58% non-game days

Total Savings

43%

Earth Hour Savings:

The 43% saved by monitored Earth Hour participants could propel the Canada Line:

410 km

If every Canadian reduced their electricity consumption by 43% for an hour each day for a year they could propel the Canada Line to the sun and back:

13 times

If everyone in the World reduced their electricity consumption by 97% for an hour each day for a year, they could propel the Canada Line to the sun and back:

421 times

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