



Sustainability Office

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OUR EARTH HOUR

One Hour, No Power Challenge

In support of 2014 Earth Hour, and in follow up to the campus' successful October "Lights out Challenge", UBC's Okanagan campus is hosting a campus "One Hour, No Power" challenge to support our Power of You "power down" theme.

Conserve energy by turning off lights in unoccupied spaces. Even flipping a switch in a space with occupancy sensors can save 30 minutes of energy consumed by unnecessary lighting. *No Sign-up or Registration Required:* Participation is as easy as turning off the office light when leaving for lunch and by flipping a switch when leaving a classroom, laboratory or residence.

Which building will show the greatest energy reduction during the one-hour challenge? Or have the most occupant participation? Participate on March 27 and tune in to find out! Results will be posted on this Power of You [webpage](#) following the initiative.

Date: Thursday, March 27

When: 12:00 – 1:00pm

Where: All Academic Buildings. Turn off lights in unoccupied spaces: offices, classrooms, meeting rooms, washrooms, labs.

Results

Power of You volunteers completed a visual tally of all offices, meeting rooms, classrooms, and laboratories that directly and indirectly participated in the one-hour challenge. The Sustainability Office with the assistance of Facilities Management monitored the energy use of each academic/administration building the Tuesday before the event and the day of the event and tabulated the results. Based on the number of audited spaces, the campus participation rate was **58.4%**, an improvement over 2013's rate of 48.9%.

The *participation winner* was the **Administration Building** with **84.4%** of the building turning off their lights. 2nd place: Reichwald Health Sciences Centre with 82.1% of the building turning off their lights.

The *conservation winner* was **Creative and Critical Studies** reporting a **4.6%** decrease in energy consumption.

2nd place Administration and library both reporting a 0.9 decrease in energy consumption.

BCs Okanagan Campus consumed an extra **900.03 k** during the March 27's 1hr challenge when compared to the Tuesday prior to the event however, the campus did reduce its overall 24hr energy consumption by an outstanding **11,981.6 k**. The energy saved in one 24hr period is enough to power 13.3 Canadian homes for 1 month if the campus conserved this amount every Tuesday for an entire year this would **equal 623,045 kWh/year!**

	Challenge Participation	1hr Challenge conservation (kWh)	Challenge Reduction %	24hr conservation (kWh)	24hr Reduction %
ADM	84.4%	18.5 kWh	-0.9%	40.7 kWh	-0.1%
ARTS	5.9	consumed 23.7 k more	15.9	293.4 kWh	-1.0%
ASC	9.0	consumed 87. k more	5.0	1,095.8 kWh	-2.6%
CCS	1.9	124.2 kWh	-4.6%	6,281.1 kWh	-27.7%
EME	0.	9.2 kWh	-0.4%	5,798.0 kWh	-4.6%
FIP	5.8	consumed 509. k more	21.5	368.6 kWh	-0.8%
LIB	35.2	16.8 kWh	-0.9%	258.8 kWh	-0.8%
RHS	82.1%	consumed 39. k more	.0	consumed 2,583.5 k more	.5
SCI	.	consumed 70.8 k more	1.3	consumed 1,17.9 k more	3.2
UNC	52.0	consumed 97.5 k more	.	2,046.7 kWh	-3.8%



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