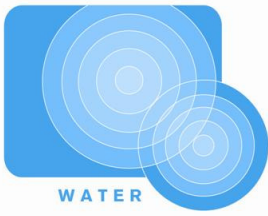




COMMUNITY



WATER



RESOURCES



TRANSPORTATION



ENERGY

Sustainability on Campus

Welcome to Capilano U's First "Sustainability on Campus" Newsletter

As natural resources become more scarce, Capilano University is taking steps to reduce its impact on the environment while meeting the Provincial Government Climate Action legislated requirements to become carbon neutral by 2010.

In August 2008, we completed a baseline energy audit of each campus and are actively engaged in identifying and implementing changes that will result in a reduction of our impact on the environment. Changes to date include increased energy usage awareness and conservation practices, adoption of a Sustainability Policy and Energy Policy, expanded recycling programs, and increased community awareness of the need to improve our waste management.

We bring to you now the first issue of a Sustainability on Campus newsletter designed to inform and engage you and the community.



In each issue readers can expect features on employee and student engagements, project updates relating to environmental issues, and some interesting facts and figures that will help put the university's environmental impact into context.

We encourage you to get involved and share your ideas, stories, and comments. Capilano University is accountable for its environmental impact and it's up to all of us to minimize our ecological impact.

Questions / Comments?
Email: sustainability@capilano.ca

December, 2010 /
January, 2011

Inside this issue:

Sustainability's 5 Themes

Ryan Kesler Jersey

Utilities at Capilano

Capilano's Carbon Footprint

Energy Conservation

Fact or Fiction?

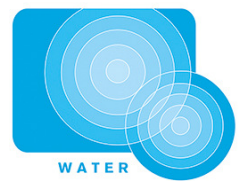
It's better to leave lights on because a light bulb uses more electricity when turned on and off because it takes extra energy to warm up the bulb.

See next page for answer..

Did you know?

In 2009 Capilano University used 1,564,641 cubic feet of water.

That's enough water to fill 18 Olympic size swimming pools or enough to cover all of Capilano U in 1 foot of water.



WATER

The 5 Themes of Sustainability

This past summer graduate Kirsten Call of Capilano's IDEA program was hired to develop a creative piece for Sustainability on Campus. The Energy Management team worked closely with Kirsten to develop custom icons specifically for Capilano U.

Shown at the top of this newsletter are 5 icons; Community, Water, Resources, Transportation, and Energy. The colors used are fresh, pure colors, representing clarity and optimism. Elements of movement, connectedness, engagement, commu-

nity and empowerment are found throughout each icon's design, reflecting the core feeling and message Sustainability on Campus upholds.

Special thanks to David Demuyndck, Manager of Marketing and Communications for his progressive outlook on sustainability at Capilano University and for his support throughout the project.

Paul Gruber wins signed Ryan Kesler Jersey



By visiting Capilano's Energy Dashboard and emailing his answer to 5 questions about sustainability on campus Paul Gruber won a signed Ryan Kesler hockey jersey. Ryan Kesler is a forward for the Vancouver Canucks and a proud Team Power Smart member.

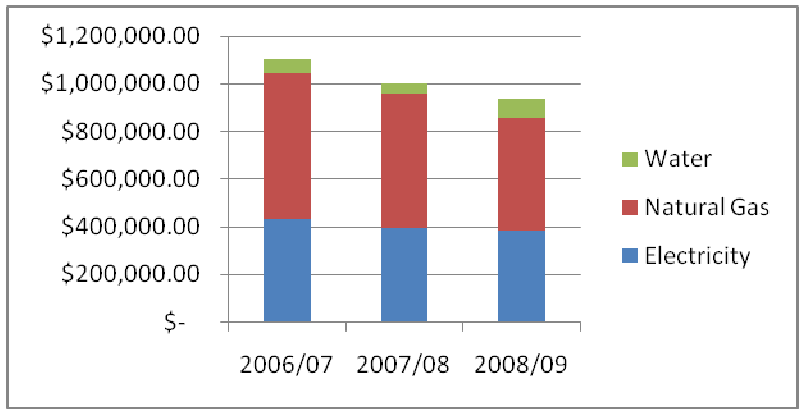


Enter our current 'IDEA of the Month' draw for \$25 gift certificate by emailing your suggestion for energy conservation to sustainability@capilano.ca, or by accessing the Feedback link on Capilano's Energy Dashboard. Next draw dates are December 21st & January 31st.

Utilities at Capilano

In 2008, our University established a goal to reduce energy consumption by 25% by the end of 2012 through implementing cost-effective energy management initiatives at all of our facilities. The awareness of consumption needs to be constantly re-enforced and participation encouraged to ensure the university stays on track by meeting the 2010 reduction target of 15% over the 2007 baseline.

In addition to the positive environmental impact of reducing gas, electricity, and water consumption the university has also enjoyed the savings in costs. Even as rates continue to increase Capilano University has seen a net reduction in utility costs year over year since 2008. In 2008/09 Capilano University paid \$165,866 less than in 2006/07 for utilities; a direct result of employee and student engagement



In this picture: Capilano Universities annual costs of utilities

in conserving energy combined with the installation of new technologies into our buildings systems.

Capilano's Carbon Footprint

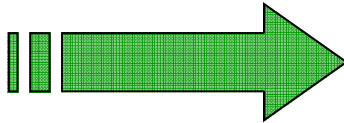
Did you know?



In 2009, Capilano University was responsible for creating **2,419**

tonnes of eCO2 emissions. One tonne of CO2 will roughly fill a 3 bedroom house.

Effective in 2010 Capilano University will pay \$25 per tonne of CO2 as part of the provincial mandate to become carbon neutral. This means there are now environmental and economical benefits to reducing our emissions.



Electricity

187 tonnes of CO2 emissions in 2009 were attributed to electricity consumption. We estimate 2010 emissions will be 162 tonnes; **that's a reduction of 25 tonnes**

Natural Gas

2,096 tones of CO2 emissions in 2009 were caused from natural gas use. We estimate 2010 emissions will be 1,823 tonnes; **that's a reduction of 273 tonnes**

Energy Conservation Awareness

In August 2010, BC Hydro awarded Capilano University a \$5,000 incentive and coaching by Rainbird Consultants to implement a one year Energy Conservation Awareness (ECA) program. The program includes the development of a baseline survey and a series of related electrical energy conservation initiatives.

A team has been assembled to guide the process internally. Our goal is to achieve a minimum of 5% energy savings on electrical consumption which can save the university \$20,600. That's enough electricity to power an electric car around the world 44 times!

Building on the general 'sense' on campus that things are changing, this campaign will be supported with enhanced tools to help encourage participation by campus community members in energy conservation.



The energy icon is inspired by the shapes found in the negative space between solar cells. The shape contains elements of movement and energy and is reminiscent of a spark or sun flare shape.

Sustainability On Campus

2011 meeting schedule

- January 11th
- January 22nd
- February 8th
- February 22nd
- March 8th
- March 22nd
- April 5th
- April 19th

Meeting: 10:00-10:30 am
Location: Cedar building room 344

SUSTAINABILITY PLEDGE

“I pledge to help Capilano University's greenhouse gas reduction and sustainability efforts. This year, I will commit to new steps to reduce my environmental impact. Together we are making a difference!”

Instructions to Pledgers:
1. Check off any actions you already take, then commit to 3 new ways to reduce your environmental impact.
2. Cut along the dotted line and send the bottom portion to 'Sustainability on Campus'.

<input type="checkbox"/> ENERGY Adjust thermostat at home (down in winter, up in summer) Turn off the lights when leaving a room Use compact fluorescent bulbs in task lights Turn off printers and other office equipment when not needed Get sleep mode on my computer and monitor Turn off my computer monitor when not in use Unplug chargers, power adapters when not in use Wash clothes in cold or warm water	<input type="checkbox"/> TRANSPORTATION Use alternative commuting Walk, bike or car-pool to work/school Turn on car maintenance Use the stairs Cancel for airplane < 2 hours a week Use the stairs
<input type="checkbox"/> WASTE Recycle bottles, cardboard, glass, mixed paper, news and comics Buy and use your consumer recycled content paper Ask if things before they that are made from recycled material Double-side all copy and print jobs Use reusable storage containers Buy items with minimal packaging Purchase environmentally friendly cleaning products Provide and encourage recycling or other waste management options Use 'Green Meeting' option for campus catering events Separate food waste, glass, paper and organic coffee Shop local, seasonal products Get to know the food chain (how meat)	<input type="checkbox"/> WATER Drink tap water not bottled water, when possible Reuse water for top watering Use shower showers
<input type="checkbox"/> COMMUNITY Show your pledge with a friend Join the Campus Sustainability Initiative Encourage another person to pledge	

“I pledge to lead by example.”

Student: _____ Student number: _____
 Staff: _____
 Faculty: _____
 Admin: _____
 Administrator: _____

North Vancouver Campus
 Richmond Campus
 Burnaby-Caledon Campus
 Please include my name on the Sustainability on Campus website

Print name: _____ Signature: _____ Date: _____

Have you pledged your commitment to sustainability?

Go to: capilanou.ca/sustainability to show your support

Answer to Fact or Fiction: Fiction. The amount of electricity used to start a light is minuscule compared to the amount saved by turning it off.

Enter our current 'IDEA of the Month' draw for \$25 gift certificate by emailing your suggestion for energy conservation to sustainability@capilanou.ca, or by accessing the Feedback link on Capilano's Energy Dashboard. Next draw dates are December 21st & January 31st.