



# Take Time to Plan University of British Columbia



The University of British Columbia (UBC) has taken time to plan for sustainability.



Centre for Interactive Research on Sustainability (CIRS)

## They are building the "greenest building on earth".

It is a building that:

- obtains all water from the sky
- all liquid waste treatment by the ground and the sun
- all heating and cooling from the ground, neighbours and the sun
- all light from the sun (when available)
- most ventilation from the wind



## The new building is the Centre for Interactive Research on Sustainability (CIRS).

It will be built with local products and using local services where possible.

Rainwater falling on its roof will be collected and treated to provide safe drinking water.

All waste water and sewage will be treated on-site and used for irrigation.

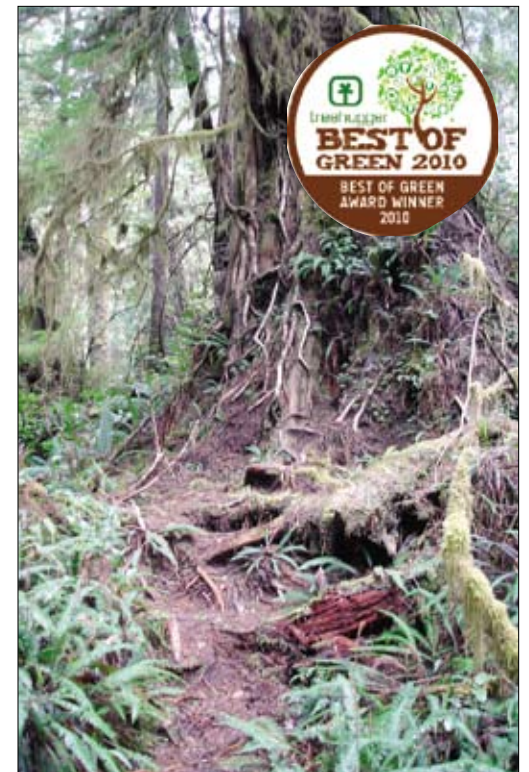
It will produce more energy than it consumes by applying solar energy and waste heat capture technology.

Waste heat currently venting from a neighbouring building will be captured and converted using heat pumps and heat both the CIRS building and its neighbour. This waste alone will reduce UBC's carbon emissions by 50 tons a year.

Once completed there will be more trees and plants on site, restoring habitat.

The building is only 6% more expensive to build than a traditional institutional building and it will be significantly cheaper to operate and maintain.

For more information check out their website at [www.cirs.ubc.ca](http://www.cirs.ubc.ca)

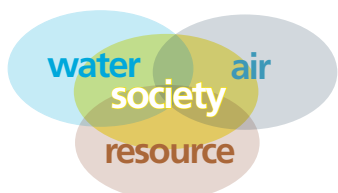


Total Roof Areas: Green Roof and Rain Catchment  
 CIRS Water Supply, Treatment and Reuse Charette  
 10 June 2008 BusbyPerkins+Wills



## QUESTIONS/DISCUSSIONS

1. How would considering sustainability in the design of your operations change the planning process?
2. What could we learn from what UBC has done?
3. How could these changes in design and construction affect your business?



You must be the change you wish to see in the world.  
 Mahatma Gandhi

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Take Time to Plan  
**Our Environmental Messenger™**

UNIVERSITY OF BRITISH COLUMBIA

**COMMIT ■ CREATE ■ PARTICIPATE**





# Our Environmental Messenger™

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## COMMIT ■ CREATE ■ PARTICIPATE

Company \_\_\_\_\_ Date \_\_\_\_\_ Delivered by \_\_\_\_\_

Other topics discussed \_\_\_\_\_

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### RECORD RESPONSES

- How would considering sustainability in the design of your operations change the planning process? .....
- What could we learn from what UBC has done? .....
- How could these changes in design and construction affect your business?.....

EARTH 1st CHAMPIONS

### Congratulations to this month's Environmental Champions at Severn Pines Quarry.

The crew at Severn has just completed construction of a containment structure for virgin oils being stored on site. The structure was constructed entirely of reclaimed steel and consists of a secondary containment system, vehicle impact protection, nozzle drip catchment and visual fluid level indicators which eliminate the need for weekly dip measurements traditionally employed.



### Who do you know who commits, creates and participates in EARTH 1st?



You can email us at: [environment@walkerind.com](mailto:environment@walkerind.com)  
You can write us at: Environmental Performance Department,  
P.O. Box 100, Thorold, ON L2V 3Y8  
You can call us at 905.680.3693

### Who have you spotted "Going Green"?