



emily carr  
university of art + design

## 2014 CARBON NEUTRAL ACTION REPORT

Emily Carr University of Art + Design



## Declaration Statement

This Carbon Neutral Action Report for the period January 1<sup>st</sup> to December 31<sup>st</sup>, 2014 summarizes our emissions profile, the amount of offsets purchased to reach net zero emissions, the actions we have taken in 2014 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2015 and beyond.

By June 30<sup>th</sup>, Emily Carr University of Art + Design's final Carbon Neutral Action Report will be posted to our website at [www.ecuad.ca](http://www.ecuad.ca).

## Overview

The most significant commitment to reducing our carbon footprint is the building of a new facility at our Great Northern Way site. The successful proponent of the project is Applied Arts and they will be required to meet LEED gold and WoodFirstBC standards and specifications. The anticipated date for completion is 2017, with ground breaking to commence in June 2015.

Ongoing annual initiatives with a focus to reduce greenhouse emissions continue to be promoted and included in daily operations. These include:

- An upgrade to three air handling units to increase operational efficiency
- Recycling, including the following:
  - Campus wide composting
  - Drink container recycling
  - Paper and cardboard recycling
  - Battery recycling
  - Plastics recycling
  - Wood and metal recycling
  - Hazardous materials recycling
  - Toner cartridge recycling program
  - Recycling of electronic goods
- Continued participation in the annual Earth Hour project.
- Over 50 videoconferencing meetings were conducted in 2014 using skype or blue jean technology. The Audio-Visual Department continues to promote and provide support for the use of this technology for meetings to reduce travel costs.
- The use of services such as 'Car to Go' for employees to utilize when travelling to meetings in the local area.
- Student union "re-use a mug" program. The student union has over 50 mugs available for use by the community in an effort to reduce disposable coffee cups, and have designated stations across campus where used mugs can be left. They are then picked up, washed and returned to the Re-use a mug wall for use.
- Student union annual clothing swap.
- Annual bottle free water day.
- Bike loan program for staff available through Finance and provision of air pump and repair kits available on-site in an effort to promote biking to work.
- Continued efforts to reduce paper consumption, for example, the use of Moodle, an online training and lecture portal, where Faculty can post notes and handouts online rather than paper copies in class.

- Sourcing of local solid lumber for student projects which are harvested and milled in the lower mainland.
- Sustainability blog and wall dedicated to conversations and initiatives around sustainability.
- Two-sided printing default settings available on office printers.
- Computer laboratory monitors are set to sleep mode for periods of time when not in use and computers in laboratories are shut down for at least 6 hours daily.
- Computer lease program in place.
- The continued use of 100% recycled paper where possible.
- Ongoing preventative maintenance of infrastructure.
- Upgrades to infrastructure as opportunities arise, such as the recent addition of flush sensors to washrooms.

The University continues to engage the community in conversation and action around sustainability, and continues to review current practices and infrastructure upgrades in an effort to reduce its carbon footprint.

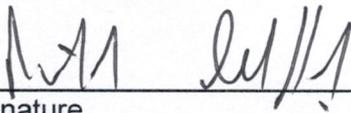
### Emissions and Offsets Summary Table

Emily Carr University GHG Emissions and Offsets for 2014 (TCO2E)	
<b>GHG Emissions created in Calendar Year 2014</b> (from SMARTTool Homepage):	
Total Emissions (TCO2E)	672
Total Offsets (TCO2E)	672
<b>Adjustments to GHG Emissions Reported in Prior Years</b> (from SMARTTool Homepage):	
Total Emissions (TCO2E)	0
Total Offsets (TCO2E)	0
<b>Total Emissions for Offset for the 2014 Reporting Year</b> (from SMARTTool Homepage):	
Total Offsets (TCO2E)	672

2013 emissions = 814 tonnes of CO<sub>2</sub>

The University recorded an annual reduction of 142 tonnes of CO<sub>2</sub> between 2013 and 2014.

### Executive Sign-off:

	12 MAY 2015
Signature	Date
MICHAEL CLIFFORD	VP FINANCE + ADMINISTRATION
Name	Date

# 2014 Carbon Neutral Action Report (CNAR) - Part 2 ACTIONS

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## Organization Name

Emily Carr University of Art + Design

## Actions Taken to Reduce Emissions

### 1) Stationary Fuel Combustion, Electricity (Buildings): Indicate which actions were taken in 2014:

Performed energy retrofits on existing buildings

Yes

Built or are building new LEED Gold or other "Green" buildings.

Yes

Undertook an evaluation of overall building energy use.

Yes

Please list any other actions taken to reduce emissions from Buildings:

(No response)

### 2) Mobile Fleet Combustion (Fleet and other vehicles): Indicate which actions were taken in 2014:

Do you have a fleet?

Yes

Replaced existing vehicles with more fuel efficient vehicles (gas/diesel)

No

Replaced existing vehicles with hybrid or electric vehicles

No

Reduced the overall number of fleet vehicles

No

Took steps to drive less than last year

No

Please list any other actions taken to reduce emission from fleet:

(No response)

**3) Supplies (Paper):Indicate which actions were taken in 2014:**

Used less paper than previous year

Yes

Used only 100% recycled paper

No

Used some recycled paper

Yes

Used alternate source paper (Bamboo, hemp, etc.)

Yes

Please list any other actions taken to reduce emissions from paper use:

Continued development and use of online resources to post assignments and other materials.

### Page 3

### Actions Taken to Reduce Emissions - continued

Explain how you plan to continue minimizing emissions in 2015 and future years:

Recycling, including the following:

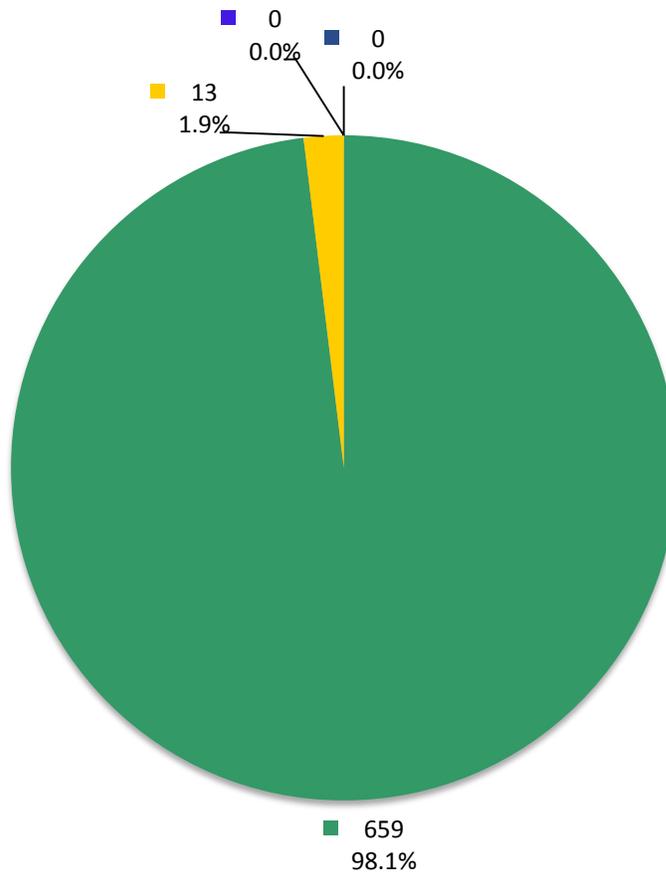
- upgraded 3 air handling units to increase efficiency
- retrofitted washrooms with flush sensors
- composting now expanded and available site wide
- plastics recycling now expanded and available site wide
- drink container recycling
- paper and cardboard recycling
- wood and metal recycling
- electronics recycling
- battery recycling
- toner cartridge recycling
- hazardous materials recycling
- continued participation in annual earth hour project
- expansion and continued use of videoconferencing
- continued promotion of bottle free water
- re-use a mug program to reduce use of paper cups
- annual clothing swap
- bike loan program, bike storage lockers and free provision of tire repair kits and pumps to promote cycling to work
- continued efforts to reduce paper consumption such as online tutorials
- upgrades to infrastructure as funding allows
- continued use of 100% recycled paper where possible
- sleep mode settings for computers to save energy in labs, and minimum 6 hour shut down nightly
- sourcing local lumber for student projects
- two-sided default settings for printers where possible

- sustainability blog and space on campus dedicated to promoting initiatives
- continued use and promotion of videoconferencing to reduce travel costs

If you wish to list any other "sustainability actions" outside of buildings, fleet, paper and travel check "yes". This reporting is optional.

No

**Emily Carr University of Art and Design  
Greenhouse Gas Emissions by Source  
for the 2014 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 672**

- Mobile Fuel Combustion (Fleet and other mobile equipment)
- Stationary Fuel Combustion (Building Heating and Generators) and Electricity
- Supplies (Paper)
- Fugitive Sources

**Offsets Applied to Become Carbon Neutral in 2014 (Generated June 23, 2015 4:11 PM)**

Total offsets required: **672**. Total offset investment: **\$16,800**. Emissions which do not require offsets: **0** \*\*

\*Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) is a standard unit of measure in which all types of greenhouse gases are expressed based on their global warming potential relative to carbon dioxide.

\*\* Under the *Carbon Neutral Government Regulation of the Greenhouse Gas Reduction Targets Act*, all emissions from the sources listed above must be reported. As outlined in the regulation, some emissions do not require offsets.