



emily carr  
university of art + design

## 2015 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>, 2015 summarizes the university's emissions profile, the amount of offsets purchased to reach net zero emissions, the actions taken in 2015 to reduce our greenhouse gas emissions and plans to continue reducing emissions in 2016 and beyond.

## Overview

Construction of the university's new facility began in late 2015 and will continue through 2016, with a forecast opening in the fall of 2017. Building, construction and maintenance is set to meet LEED gold and WoodFirstBC standards and specifications.

While the new campus construction is underway, the following is a summary of ongoing and new annual initiatives that the university has undertaken:

- Continued recycling program, including:
  - Campus wide composting
  - Drink container recycling
  - Paper and cardboard recycling
  - Battery recycling
  - Plastics recycling
  - Wood and metal recycling
  - Hazardous materials recycling
  - Toner cartridge recycling
  - Electronic goods recycling
- Over 300 videoconferencing meetings were conducted in 2015 using 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.
- Use of compostable plates and cups served by the campus food retailer.
- 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.
- 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.

The new campus is currently under construction. The new facility is being built to LEED Gold standards under a P3 Agreement. The P3 Agreement holds the private proponents to strict energy targets for facility maintenance and sustainable practices for housekeeping and waste management.

In anticipation of the new campus move, the university is undertaking a large recycling and clean-up project over the summer of 2016. This will serve to recycle as much unusable materials, equipment and historical storage as possible, and will include major recycling of wood, metal and paper products.

The University will continue to engage the community in conversation and action around sustainability, in particular, to the new requirements that will be in place at the new campus.

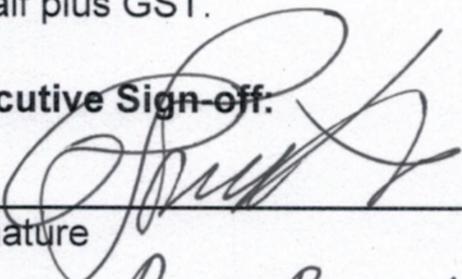
**Emissions and Offsets Summary Table**

<b>Emily Carr University GHG Emissions and Offsets for 2015 (TCO2E)</b>	
<b>GHG Emissions created in Calendar Year 2015 (from SMARTTool Homepage):</b>	
Total Emissions (TCO2E)	695
Total Offsets (TCO2E)	695
<b>Adjustments to GHG Emissions Reported in Prior Years (from SMARTTool Homepage):</b>	
Total Emissions (TCO2E)	0
Total Offsets (TCO2E)	0
<b>Total Emissions for Offset for the 2015 Reporting Year (from SMARTTool Homepage):</b>	
Total Offsets (TCO2E)	695

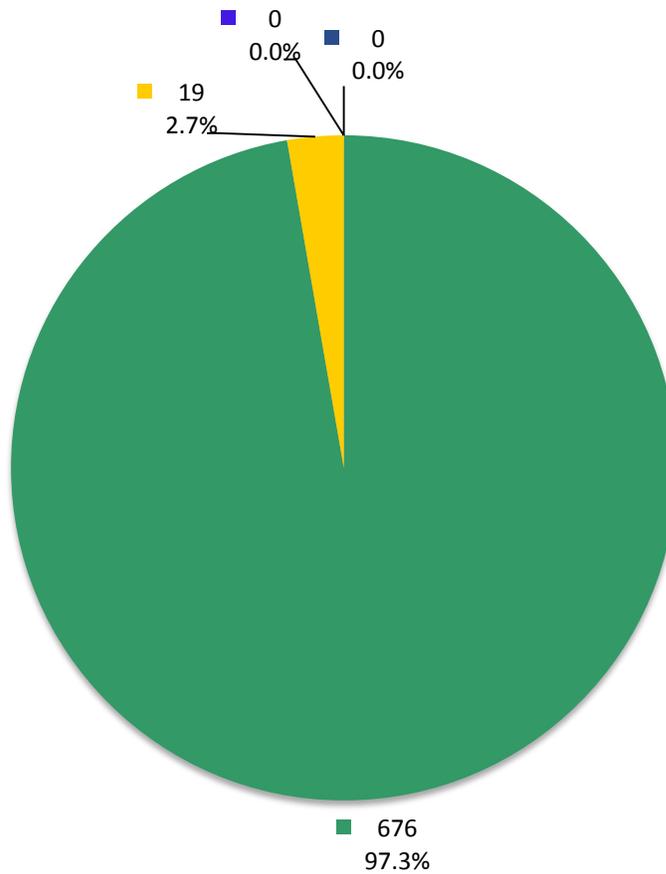
**Retirement of Offsets:**

In accordance with the requirements of the Greenhouse Gas Reduction Targets Act and Carbon Neutral Government Regulation, Emily Carr University of Art + Design (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2015 calendar year, together with any adjustments reported for past calendar years. The Organization hereby agrees that, in exchange for the Ministry of Environment ensuring that these offsets are retired on the Organization's behalf, the Organization will pay within 30 days, the associated invoice to be issued by the Ministry in an amount equal to \$25 per tonne of offsets retired on its behalf plus GST.

**Executive Sign-off:**

  
 Signature \_\_\_\_\_ Date May 11, 2016  
 Name Ron Burnett Date May 11, 2016

**Emily Carr University of Art and Design  
Greenhouse Gas Emissions by Source  
for the 2015 Calendar Year (tCO<sub>2</sub>e\*)**



**Total Emissions: 695**

- 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 2015 (Generated May 25, 2016 10:47 AM)**

Total offsets required: **695**. Total offset investment: **\$17,375**. 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.

# 2015 Carbon Neutral Action Report Survey

Organization Name:

*Emily Carr University of Art + Design*

Please select your sector:

- Post-Secondary Institution

1) Stationary Sources (Buildings, Power Generators, Ext. Lighting) Fuel Combustion, Electricity use, Fugitive Emissions:

Please indicate which actions your PSO took in 2015:

Have developed an overall strategy/plan to reduce energy use in your organization's buildings inventory:

*No*

If Yes, please describe:

*(No response)*

Undertook evaluations of building energy use:

*No*

Performed energy retrofits on existing buildings:

*No*

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

*Yes*

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from buildings:

*Building has commenced on our new LEED campus.*

2) Mobile Sources (Fleet, Off-road/Portable Equipment) Fuel Combustion:

Indicate which actions your PSO took in 2015:

Have put in place an operations policy/program to support systematic reductions in fleet related emissions:

(e.g., program to convert fleet to renewable fuels)

*No*

If Yes, please describe:

*(No response)*

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

*No*

Replaced existing vehicles with hybrid or electric vehicles:

*No*

Took steps to drive less than previous years:

*No*

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from fleet combustion:

*We do not have fleet or portable equipment.*

3) Supplies (Paper):

Indicate which actions your PSO took in 2015:

Have put in place an operations policy/program to facilitate a systematic reduction in paper-related emissions:

(e.g., policy to purchase 100% Recycled Content; default to double-sided printing)

*No*

If yes, please describe:

*(No response)*

Have put in place an operations policy/program to facilitate behavioural changes from paper use:

(e.g. awareness campaign to reduce paper use):

Yes

If yes, please describe:

*Costs of consumption directly passed on to students and departments to limit waste. Online course shells can be used by faculty to reduce handouts and paper.*

Used only 100% recycled paper:

No

Used some recycled paper:

Yes

Used alternate source paper:

(e.g., bamboo, hemp, wheat etc.)

Yes

Please list any other actions, programs or initiatives that your organization has introduced that support emissions reductions from paper supplies:

*Being an art university, faculty and students are continually exploring different mediums.*

4) Other Sustainability Actions:

Please note that this section is optional

Business Travel

Created a low-carbon travel policy or travel reduction goal:

(low-carbon = lowest emission of greenhouse gas per kilometer per passenger)

*No*

Encouraged alternative travel for business:

(e.g. bicycles, public transit, walking)

*No*

Encouraged or allow telework/working from home:

*Yes*

Other:

*(No response)*

Education Awareness

Have a Green/Sustainability/Climate Action Team:

*No*

Supported green professional development:

(e.g. workshops, conferences, training)

*No*

Supported or provided education to staff about the science of climate change, conservation of water, energy and/or raw materials:

*No*

Other:

*(No response)*

## Adaptation Planning for Climate Risks

Have assessed whether increased frequency of extreme weather events and/or long term changes in climate will affect your organization's infrastructure, its employees and/or its clients:

No

Have incorporated these anticipated changes in climate into your organization's planning and decision making:

No

Other:

*(No response)*

## Other Sustainability Actions

Established a water conservation strategy which includes a plan or policy for replacing water fixtures with efficient models:

No

Have put in place an operations policy/program to facilitate the reduction and diversion of building occupant waste stream from landfills or incineration facilities:

(e.g., composting, collection of plastics, batteries)

Yes

Established green standards for goods that are replaced infrequently and/or may require capital funds to purchase:

(e.g., office furniture, carpeting, etc.)

No

Incorporated lifecycle costing into new construction or renovations:

Yes

Please list any other sustainability actions your organization has taken not listed above:

*Collection of compost waste and use of compostable disposable plates and cups by food retailer. Reusable cutlery, plates, cups and mugs available to community use.*