



2016 Carbon Neutral Action Report

Emily Carr University of Art + Design



Declaration Statement

This Carbon Neutral Action Report for the period of January 1st to December 31st, 2016 summarizes the university's emissions profile, the amount of offsets purchased to reach net zero emissions, the actions taken in 2016 to reduce our greenhouse gas emissions and plans to continue reducing emissions in 2017 and beyond.

Overview

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

While the new campus construction is nearing completion, Emily Carr continued with the ongoing and new annual initiatives at its existing campuses:

- 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 2016 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' and "EVO" for employees to utilize when travelling to meetings in the local area.
- Student union "re-use a mug" program. The student union has over 150 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 nearing completion. The new facility was 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. Emily Carr will partner with the Service Provider to ensure that improvements to the energy target are undertaken.

We anticipate the new campus move to commence in June 2017, as such, the university is undertaking a large recycling and clean-up project over the summer of 2017. 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.

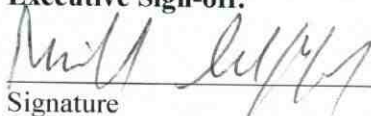
Emissions and Offsets Summary Table

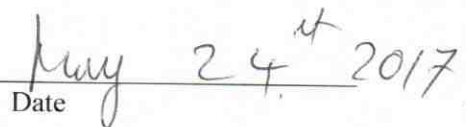
Emily Carr University GHG Emissions and Offsets for 2016 (TCO2E)	
GHG Emissions created in Calendar Year 2015 (from SMARTTool Homepage):	
Total Emissions (TCO2E)	722
Total Offsets (TCO2E)	722
Adjustments to GHG Emissions Reported in Prior Years (from SMARTTool Homepage):	
Total Emissions (TCO2E)	0
Total Offsets (TCO2E)	0
Total Emissions for Offset for the 2015 Reporting Year (from SMARTTool Homepage):	
Total Offsets (TCO2E)	722

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:

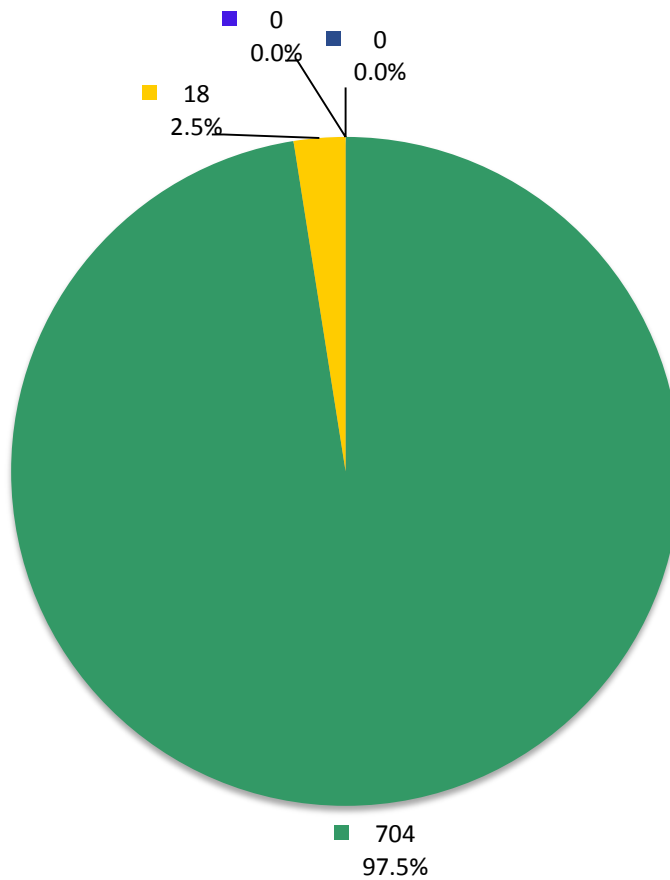

Signature


Date

Michael Clifford, VP Finance
• Administration
Name

May 24/17
Date

**Emily Carr University of Art and Design
Greenhouse Gas Emissions by Source
for the 2016 Calendar Year (tCO₂e*)**



Total Emissions: 722

- 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 2016 (Generated May 15, 2017 4:27 PM)

Total offsets required: **722**. Total offset investment: **\$18,050**. Emissions which do not require offsets: **0** **

*Tonnes of carbon dioxide equivalent (tCO₂e) 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.

2016 Carbon Neutral Action Report Survey

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Part One (external)

Contact Name(s):

Janice Wong, Vivian Haines, Travis Kang

Organization Name:

Emily Carr University Art + Design

Please select your sector:

- Post-Secondary Institution

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

During 2016, did your organization take any of the following actions to support emissions reductions from buildings?

Select all that apply

- Built, or are building new LEED Gold or other “Green” buildings.: One purpose-built campus

Briefly describe your organization’s plans to continue reducing emissions from its stationary sources in future years.

By relocating to a new LEED Gold certified purpose-built campus in September 2017, our organization plans to continue reducing emissions from its stationary sources for the duration of the P3 agreement and beyond.

During 2016, did your organization participate in utility-sponsored energy demand management program(s) (e.g. BC Hydro’s Energy Management (Manager))?

No

If yes, please describe briefly:

(No response)

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

During 2016, did your organization take any of the following actions to support emission reductions from its mobile sources?

Select all that apply

- Took steps to drive less than previous years.
-

Briefly describe your organization's plans to continue reducing emissions from its mobile sources in future years.

Emily Carr University Art + Design intends on maintaining the minimum number of forklifts (1, currently) necessary to be used by the facilities department, which will ensure that emissions from mobile sources remain low / insignificant.

3) Supplies (Paper):

During 2016, did your organization take any of the following actions to support emissions reductions from paper supplies?

Select all that apply

- Other actions? Please describe briefly.: Preliminary research into paperless data management and support office IT systems
-

Briefly describe your organization's plans to continue reducing emissions associated with its office paper use in future years.

As a post-secondary university, our organization plans to continue reducing emissions associated with office paper-use by researching and potentially implementing paperless IT systems for accounts payable and payroll processes.

4) Other Sustainability Actions:

Business Travel:

During 2016, did your organization take any of the following actions to support emissions reductions from business travel?

Select all that apply

- Other, please describe briefly: The new LEED Gold campus will have designated parking spaces for electric and carpool vehicles which will help support emissions reductions from business travel
-

Education Awareness:

During 2016, did your organization have any of the following programs or initiatives to support sustainability education and awareness?

Select all that apply

(No response)

Other Sustainability Actions:

During 2016, did your organization have any of the following programs or initiatives to support sustainability?

Select all that apply

- An operations policy or program to facilitate the reduction and diversion of building occupant waste (e.g., composting, collection of plastics, batteries) from landfills or incineration facilities
-

- Other, please describe briefly: We delivered sustainable design courses (e.g. SOCS 202 Ecological Perspectives-Design). In addition, we established and devoted the DESIS lab to support research that advances Design for Social Innovation Towards Sustainability (<http://desis.ecuad.ca/>)..