

The background of the cover page is a photograph of the Camosun College building, a modern structure with a large glass dome and blue-tinted windows. In the foreground, there are branches of a cherry tree with green leaves and pink blossoms, some in full bloom and others as buds. The sky is a clear, pale blue.

2020 PSO CLIMATE CHANGE ACCOUNTABILITY REPORT

CAMOSUN COLLEGE

Camosun College PSO Climate Change Accountability Report 2020

Declaration Statement

This Climate Change Accountability Report for the period January 1, 2020 to December 31, 2020 summarizes our emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2020 to reduce our greenhouse gas emissions and our plans to continue reducing emissions in 2021 and beyond.



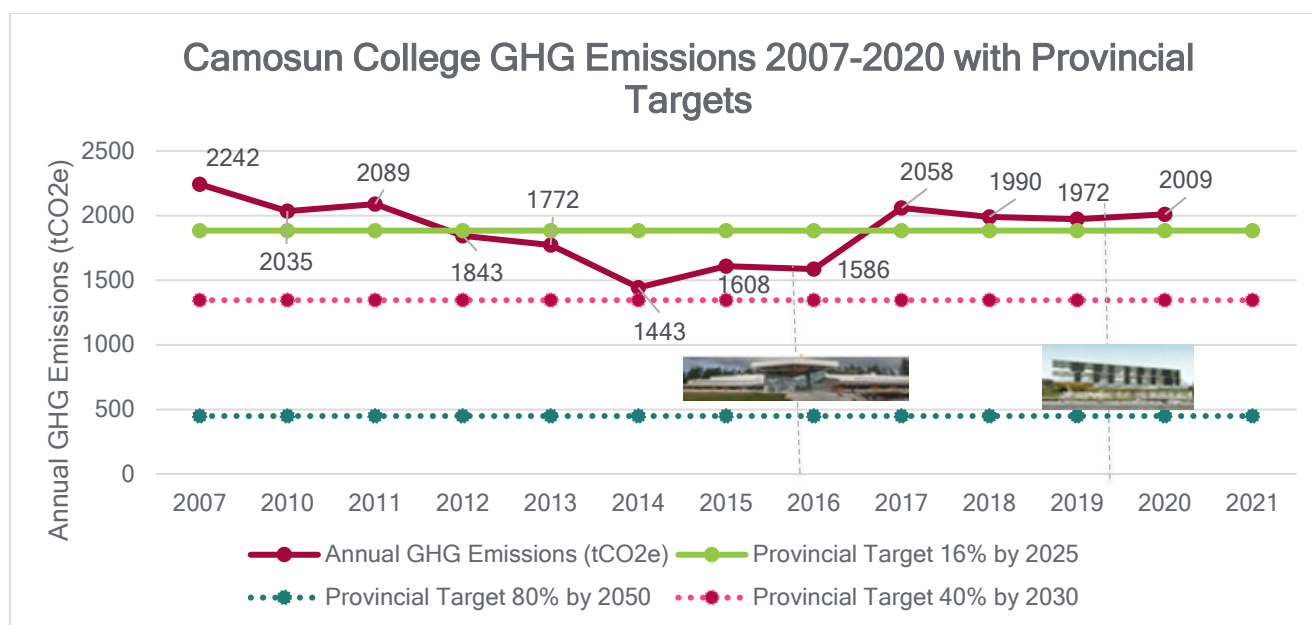
Overview

CAMOSUN COLLEGE GHG EMISSION SOURCE DATA, OVER TIME

The following table and chart illustrates Camosun's GHG emissions since 2010 and 2007. In 2020, the College experienced a small increase in overall emissions by 1.8 % from 2019 levels, this represents a 10.4% decrease in emissions from 2007 levels.

The increase in emissions for 2020 is mostly due to the fulsome operation of the new Alex and Jo Campbell Centre for Health and Wellness (CHW) as well as more variable weather days in 2020 compared to 2019. The chart below recognizes the timelines of Camosun introducing two major buildings, the Centre for Trades Education and Innovation in 2016 and Centre for Health and Wellness 2019-2020 with the Colleges greenhouse gas (GHG) emissions against the B.C. Provincial Targets.

| GHG Emission Source Data (2010-2018) tCO ₂ e | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| Buildings | 1932 | 1978 | 1758 | 1671 | 1359 | 1529 | 1511 | 1990 | 1923 | 1905 | 1978 |
| Fleet | 28 | 39 | 28 | 24 | 12 | 14 | 8 | 7 | 11 | 14 | 22 |
| Paper | 75 | 72 | 57 | 77 | 72 | 65 | 67 | 61 | 56 | 53 | 8 |
| Total Emissions | 2035 | 2089 | 1843 | 1772 | 1443 | 1608 | 1586 | 2058 | 1990 | 1972 | 2009 |



ACTIONS TAKE IN 2020 TO MINIMIZE EMISSIONS

BUILDINGS:

Camosun College continued to make efforts to minimize emissions in buildings throughout 2020 despite the Covid-19 pandemic and unforeseeable impacts to the College.

Actions included:

- » Alex and Jo Campbell Centre for Health and Wellness moving towards final sign-off on LEED Gold designation
- » Various renovation projects completed:
 - Implemented LED Street and parking lot lighting upgrade for Markham Road and Parking Lots as well as exterior stairwells- Interurban
 - Implemented HVAC upgrade at Huber Hall - Red Lab Interurban
- » Ongoing renovation projects started which will result in future GHG reductions:
 - Dental building Lansdowne campus envelope renewal. Project includes the following upgrades:
 - Updating and installing insulation, eliminating any heat-loss/air leakage through upgrades to sealants and membranes as well as installing new windows and doors with improved energy efficient performance characteristics.
 - New HVAC DDC controls were installed. This allows us to program and schedule the systems for optimum performance and to monitor for trends which leads to overall reduction in GHGs.
 - Boiler replacement at Alan Batey Library and Learning Commons
 - Sustainability and GHG reduction opportunities in the Wilna Thomas renewal major renovation
 - Complete renovation of the Compressor Building at Interurban, including new insulation, heat pump and HVAC



EDUCATION PROGRAMMING:

Camosun is passionate about inspiring learners to be leaders in sustainability on Campus and in their communities. Exciting new sustainability programming highlights this commitment.

- » Clean Energy & Efficient Buildings (CEEB) micro credentialing in engineering successfully received government approval and funding.
 - The CEEB micro-credential sets to equip learners with the skills to create net-zero energy buildings that are efficient, healthy, long-lasting and climate-friendly.
 - Camosun's approach will prepare students for internationally recognized certifications offered by the North American Board of Certified Energy Practitioners, Natural Resources Canada and Passive House.



PLANS TO CONTINUE REDUCING EMISSION 2021 AND BEYOND

DRAFTING A CLIMATE DECLARATION FOR CAMOSUN

- » The Camosun Board of Governors, in recognition of the global climate emergency and Camosun's unique position as a Post-Secondary passed a motion on February 8th 2021 which "Supports the development of a Climate Emergency Declaration" for Camosun College. The process for this declaration will involve the fulsome college, and be rooted in action.



BUILDINGS AND INFRASTRUCTURE:

BUILDING UPGRADES

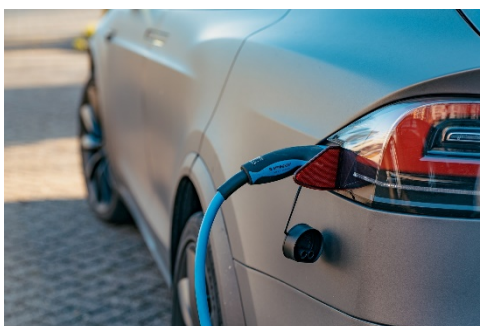
- » Camosun will complete a number of the ongoing building projects started in 2020 including the Dental Building envelope renewal and the Wilna Thomas major renovation project.
- » Camosun is investigating a change in filters, shifting to a blended material from straight synthetic. This would mean less frequent filter changes, reducing landfill volume, and more efficient operation of heating and cooling systems.

LED LIGHTING UPGRADE LANSDOWNE CAMPUS

- » Camosun College with help from BC Hydro's Incentive Fund Program is retrofitting lighting on the Lansdowne Campus, this project is expected to result in an annual energy savings of 69,000 (kWh.)

EV CHARGING ON CAMPUS

- » Six new electric vehicle charging stations created in the student parking lot at Lansdowne Campus (Jan 2021) This action bring EV station more evenly across both campus' and aligns with our Provincial Clean BC Plan.



SMART METERING BUILDINGS

- » Camosun is in the planning stages of enhancing Smart Metering for all buildings. This will help create energy consumption baselines for many buildings, and will aid in measuring successes. It will also help with behavioral change campaigns, as the plan is to have this information available on a public dashboard. Furthermore, it will help improve reporting granularity so Camosun is more able to see and celebrate the positive impact of ongoing upgrades.

EDUCATION PROGRAMMING:

- » Electric Vehicle Maintenance Training coming to Camosun.
 - The B.C. Government announced expanded funding of the Electric Vehicle Maintenance Training program. Camosun is one of three additional colleges in B.C. to be able to offer training for automotive technicians to upgrade their skills to work on electric vehicles.

Emissions and Offset Summary Table

| <i>Camosun College 2020 GHG Emissions and Offsets</i> | |
|--|-----------------|
| GHG Emissions created in Calendar Year 2020 | |
| Total Emissions (tCO ₂ e) | <i>2009</i> |
| Total BioCO ₂ | <i>0.894</i> |
| Total Offsets (tCO ₂ e) | <i>2009</i> |
| Adjustments to Offset Required GHG Emissions Reported in Prior Years | |
| Total Offsets Adjustment (tCO ₂ e) | <i>-18</i> |
| Grand Total Offsets for the 2020 Reporting Year | |
| Grand Total Offsets (tCO ₂ e) to be Retired for 2020 Reporting Year | <i>1991</i> |
| Offset Investment (\$25 per tCO ₂ e) | <i>\$49,775</i> |

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and Carbon Neutral Government Regulation, *Camosun College* (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2020 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Environment and Climate Change Strategy (**the Ministry**) 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: *[To be signed by a senior official, such as CEO, COO or Superintendent]*

Signature

Date

Deborah Huelscher, VP Administration & CFO
