Camosun College 2025 Climate Change Accountability Report

CAMOSUN COLLEGE

PART 1. Legislative Reporting Requirements

Declaration statement: This PSO Climate Change Accountability Report for the period January 1, 2025, to December 31, 2025, summarizes our greenhouse gas (GHG) emissions profile, the total offsets to reach net-zero emissions, the actions we have taken in 2025 to minimize our GHG emissions, and our plans to continue reducing emissions in 2026 and beyond.

Emissions Reductions: Actions & Plans

Total greenhouse gas emissions decreased by 448 tCO_2e (approximately 16.3%) from 2024 to 2025, falling from 2,753.5 to 2,305 tCO_2e. This reduction was primarily driven by changes in the accounting and management of fugitive emissions, alongside a decrease in building-related emissions.

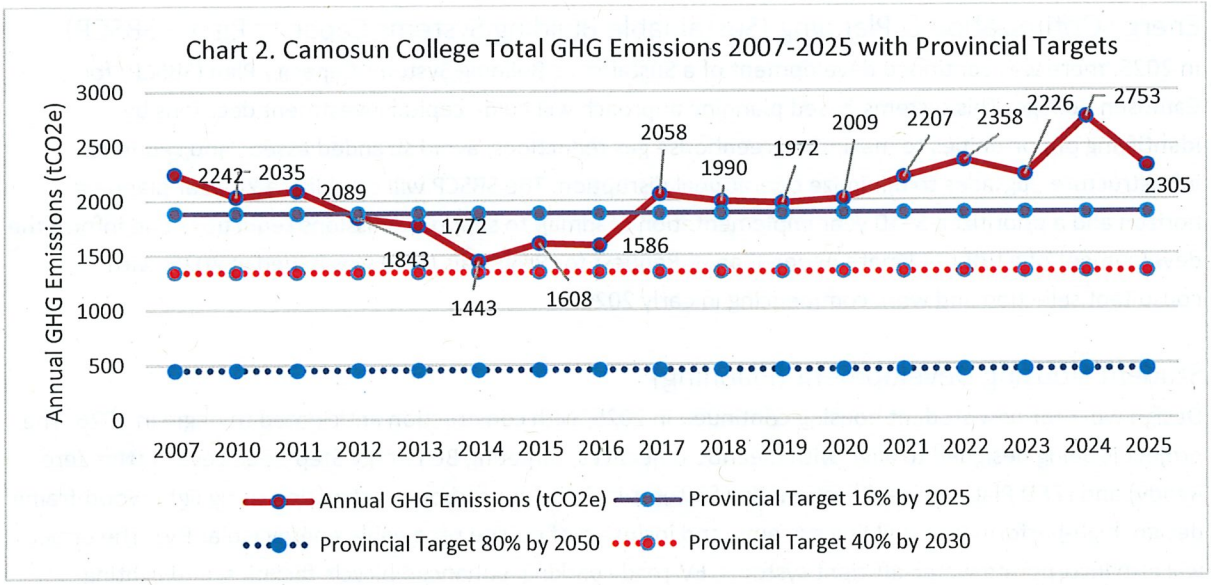
Fugitive emissions, which are unintentional greenhouse gas releases from equipment such as refrigeration systems, piping, and other infrastructure, saw the most substantial year-over-year decline. In 2024, fugitive emissions were reported for the first time (307 tCO_2e) using an asset group-based methodology that included estimated values for most equipment, as well as one larger verified leak reported by Camosun's contracted service provider. In 2025, Camosun transitioned to a more accurate unit-based methodology, supported by regular maintenance schedules and reporting from a contracted service provider, with advice and support from BC Carbon Neutral staff. This improved approach reflects an enhanced inventory of refrigerant-containing equipment and a formalized process for tracking leaks and replacements. As a result, fugitive emissions in 2025 dropped significantly, reflecting both improved data accuracy and the absence of large reported leaks. The numbers have been confirmed with Carbon Neutral BC staff. It should also be noted that the emission factor for refrigerants was updated in 2025, further contributing to differences in reported values. Carbon Neutral BC noted an error in emission factors for two refrigerants 2022-2024; those emission factors were reduced by approximately 45%, and updates have been confirmed for 2024 and 2025.

Building emissions decreased by approximately 141 tCO_2e (from 2,381 to 2,240 tCO_2e) in 2025, reflecting a combination of HVAC optimization, building envelope improvements, and targeted electrification projects such as the Ewing domestic hot water upgrade. The Alan Batey solar photovoltaic system, which became operational in April 2025 and generated approximately 40 MWh, also contributed by offsetting grid electricity use and lowering overall emissions.

Chart 1. GHG Emission Source Data (2015-2025) tCO2e

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Buildings	1529	1511	1990	1923	1905	1978	2142	2298	2161	2381	2240
Fugitive Emissions										307	1
Fleet	14	8	7	11	14	22	52	43	33	30.4	34.3
Paper	65	67	61	56	53	8	13	17	32	35.1	29.7
Total Emissions	1608	1586	2058	1990	1972	2009	2207	2358	2226	2753.5	2305

*Note: values in charts show the non-Bio only, without estimates. Therefore, they are slightly different than the numbers in the 2025 emission and offset table below



Stationary Sources (e.g., buildings, power generation)

The following projects contributed to improved building energy performance and associated emissions reductions across campus in 2025:

Alan Batey Solar Panel Project

The Alan Batey Building "Array of Hope" solar project became fully operational in April 2025 and generated approximately 40 MWh of electricity in its eight months, exceeding initial performance projections. (46MWh for the year, or 31MWh for the first 8 months) The system contributes directly to reducing grid electricity demand and associated emissions, supporting Camosun's transition to low-carbon energy sources. In addition to its environmental benefits, the project has created valuable applied learning opportunities for students, including integration into coursework, site tours, and hands-on engagement with renewable energy systems. The installation also serves as a visible demonstration of Camosun's commitment to sustainability and clean energy innovation.

Energy Optimization & Planning (Sustainable Building Systems Capacity Plan – SBSCP)

In 2025, there was continued development of a Sustainable Building Systems Capacity Plan (SBSCP) for Camosun College. This systems-based planning approach will guide capital investment decisions by identifying opportunities to maximize greenhouse gas reductions, avoid stranded assets, and sequence infrastructure upgrades to minimize operational disruption. The SBSCP will establish a 20-year planning horizon and a prioritized 5–10 year implementation roadmap to support emissions reductions and inform the development of a future Climate Action Plan. A Request for Proposals (RFP) was issued in 2025, with consultant selection and work commencing in early 2026.

Student Housing Development (Planning)

Design work for new student housing continued in 2025, with construction anticipated to begin in 2026. The project is being designed to align with CleanBC objectives, targeting BC Energy Step Code Level 4 (Net Zero Ready) and LEED Platinum certification. Key features include low-carbon construction using light wood-frame design, high-performance building systems, and inclusion of on-site renewable energy (solar PV). The project will also incorporate water-efficient systems, EV-ready parking, enhanced bicycle facilities, and lighting strategies to reduce light pollution, supporting broader campus sustainability and low-carbon transportation goals.

CTEI Building Welding Shop HVAC Improvements

Upgrades to piping infrastructure and control systems to improve airflow efficiency, reducing mechanical and electrical loads. Addition of two high-efficiency heat recovery units to reduce overall HVAC energy demand and fuel consumption.

Ewing Building Domestic Hot Water (DHW) Upgrade

Replacement of an inefficient connection to the Young Building gas boiler system with a high-efficiency electric domestic hot water tank, reducing natural gas consumption.

Ewing Building Vault Improvements

Comprehensive upgrades to building envelope integrity and airflow management, including sealing of penetrations and cracks to reduce heat loss and water intrusion. Improvements also included upgraded HVAC controls and replacement/insulation of the heating hot water loop to enhance system efficiency and lower energy use.

Ewing Building Exterior Door Replacement

Replacement of four original exterior doors (wood/steel frame, single-pane glazing) with high-efficiency assemblies featuring thermally improved frames and double-pane glazing, reducing heat loss.

CBA/TEC Building Envelope and HVAC Improvements

Upgrades to the building envelope and HVAC systems were completed to improve overall performance and energy efficiency. Work included insulation replacement, enhanced air sealing, and HVAC system and controls improvements, resulting in reduced thermal losses and lower heating, cooling, and overall energy demand.

Liz Ashton Campus Centre Building Envelope Sealing and Painting

Minor envelope sealing improvements to reduce air leakage and improve overall building efficiency, contributing to incremental emissions reductions.

Dunlop House Dishwasher Replacement

Replacement of an outdated dishwasher with a high-efficiency unit, combined with improved sealing of plumbing penetrations to minimize associated heat loss.

Electrical Metering and Monitoring Enhancements – Campus Wide

Building on previously completed metering at the Lansdowne campus, work in 2025 expanded to install electrical metering across the Interurban campus. These enhancements improve visibility into energy use, enable trend analysis, and support more effective energy and emissions management across both campuses.

Mobile Sources (e.g., fleet vehicles, off-road/portable equipment)

Paper Consumption

Camosun continues to make steady progress in reducing paper consumption across campus, with a renewed downward trend in 2025 following a slight increase in 2024. This reduction is supported in part by a continued shift toward digital content, including increased use of online materials in place of physical handouts and course packs. The college maintains a paper accounting system that allocates costs directly to departments every quarter, supporting accountability and awareness. Camosun has also consistently used 100% recycled paper products for many years. Ongoing efforts include further optimization of the printer fleet, with reductions planned as existing service agreements are renewed.

Fugitive Sources

In 2025, Camosun transitioned to a more accurate unit-based methodology for reporting fugitive emissions, which are unintentional greenhouse gas releases from equipment such as refrigeration systems, piping, and other infrastructure. This approach uses a more comprehensive equipment inventory and formalized tracking of refrigerant leaks and replacements, supported by regular maintenance processes. The reduction in fugitive emissions reflects improved data accuracy, the absence of significant leak events, and updated refrigerant emission factors, which were reduced by approximately 45% from previous values.

2025 GHG Emissions and Offsets Summary Table

Camosun College 2025 GHG Emissions and Offsets Summary	
GHG emissions for the period January 1 - December 31, 2025	
Total $BioCO_2$	40.6
Total Emissions (tCO_2e)	2345
Total Offsets (tCO_2e)	2302
Adjustments to Offset Required GHG Emissions Reported in Prior Years	
Total Offsets Adjustment (tCO_2e)	-13.44
Grand Total Offsets for the 2025 Reporting Year	
Grand Total Offsets to be Retired for 2025 Reporting Year (tCO_2e)	2302 + (-13.44) = 2289
Offset Investment ($)	2289 x $25 = **$57,225**

Retirement of Offsets:

In accordance with the requirements of the *Climate Change Accountability Act* and the Carbon Neutral Government Regulation, Camosun College (**the Organization**) is responsible for arranging for the retirement of the offsets obligation reported above for the 2025 calendar year, together with any adjustments reported for past calendar years (if applicable). The Organization hereby agrees that, in exchange for the Ministry of Energy and Climate Solutions (**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.

PART 2. Public Sector Climate Leadership

2A. Climate Risk Management

Disaster and Climate Risk Resilience Assessment Planning

Camosun Sustainability and Emergency Management continued planning activities in 2025 to advance a comprehensive disaster and climate risk resilience assessment. This work includes preparing for a detailed evaluation of potential risks and vulnerabilities associated with natural hazards and climate change impacts affecting college operations. The assessment will inform the development of mitigation measures, preparedness strategies, and response and recovery planning. Work is progressing in a phased approach and will continue into 2026/27.

2B. Additional Sustainability Initiatives

Climate Education

- **Camosun College Climate Coalition (C4)**
  The Camosun College Climate Coalition (C4) is a group of motivated faculty, staff, and students working to advance climate education and sustainability initiatives across the college. The group curated and promoted a centralized list of climate-related courses through the college website, campus communications, Open House events, and Academic Advising. Efforts are ongoing to expand climate-focused learning opportunities, including special topics, self-directed projects, and independent studies, to deepen student engagement with climate-related programming.
- **Responsible Management Education (PRME) Commitment**
  The School of Business at Camosun College is a signatory to the *United Nations Principles for Responsible Management Education (PRME)*, a global initiative advancing sustainability, ethics, and social responsibility in business education. As one of over 800 signatories worldwide, the program integrates these principles into the curriculum and aligns with the UN Sustainable Development Goals (SDGs).
- **Program Development**
  - **Bachelor of Business Administration (BBA), Socially Responsible Management** launched, embedding sustainability principles and practices within business education.
  - **ENVR 100** course development was completed, with launch planned for 2026. The course is designed to equip students with foundational knowledge of climate challenges, solutions, and barriers through critical thinking, discussion, and applied learning.
  - **Employment Training and Preparation (ETP)** programming continued to emphasize local food systems, food security, accessibility, and inclusive sustainability practices. The program supports applied learning, student engagement, and strengthened campus–community connections.

Active Transportation & Engagement

Camosun participated in GoByBike Week 2025, with strong participation from both the Camosun community and the broader public. This community event supports active transportation initiatives and increased awareness of low-carbon commuting options among staff and students.

Camosun delivered a targeted social media outreach campaign highlighting staff who commute by bicycle, helping to promote active transportation and share peer examples.

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camosun Camosun employees love to #GoByBike

Jonathan Ruhl, Marketing and Communications Team Lead at Camosun College shares, "Riding to and from work is great. I get a workout in and I love the stress-relief I get especially on the ride home. It honestly only adds about 10 extra minutes to my commute versus driving."

As #gobybike draws to a close, we encourage the college community to continue to ride their bike to work, school or simply for leisure

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Liked by **camosunsustainability** and **others**

camosun Camosun College is a proud supporter of Go By Bike Week! We encourage students and employees to ride your bikes as much as possible between May 31 and June 6. Register at gobybikebc.ca to log your kilometres and be entered into the prize draw.

Visit the Celebration Station at Lansdowne campus for treats, a bike tune-up and chances and some chill vibes to start your week! You'll find the station by the fountain at the Foul Bay entrance to campus. Happy Biking

#Camosun #GoByBikeBC #GoByBike #GoByBikeYYJ #bikingisfun #AnyRideCounts

Waste Reduction & Recycling

Waste and recycling signage was refreshed and standardized across campus, with updates informed by accessibility considerations, including visibility for individuals with low vision. These improvements support clearer source separation, reduce contamination, and help increase overall waste diversion. Website materials were also updated to reinforce proper sorting practices. Facilities continue to track and report diversion rates on a monthly basis in partnership with the waste and recycling provider, and additional social media engagement and outreach initiatives are planned for 2026 to further support waste reduction efforts.

Executive Sign-off:

Deborah Huelscher — May 22, 2026

Signature — Date

Deborah Huelscher — VP Administration + CFO

Name (please print) — Title