

NCRA/ANREC Sustainability Report 2023-2024 (April 1 to Mar 31)

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Executive Summary

[Environmental Sustainability Policy](#) was drafted and approved by the board in January 2022, this policy was created to prepare the “NCRA/ANREC for potential changes brought on by climate change, and to support members in adapting and addressing climate change at their stations.” This report will showcase the carbon emission created by the NCRA/ANREC from April 2023 to March 31st, 2024. This includes the NCRC41 in Calgary in 2023 and the Station Manager Summit in Sidney, NS in early 2024 and give recommendations on how the NCRA/ANREC can reduce and offset their carbon footprint. The first of these reports was drafted last year, you can review it here: [Sustainability Report 2022-2023 \(April 1 to Mar 31\)](#)

Introduction and Overview

The NCRA/ANREC (National Campus and Community Radio Association/ Association nationale des radios étudiantes et communautaires) is a non-profit organization whose membership is composed of Campus and Community radio stations in Canada. The NCRA/ANREC advocates for the sector and hosts a conference once a year to discuss any advance in the sector and to overall come together and learn from each other.

The Carbon Neutral Pledge 2021 and Now

The NCRA/ANREC is examining leading by example by committing to the Carbon Neutral Pledge. The NCRA/ANREC will examine its carbon footprint, including its work from home staff, and the travel and in-person events they host.

A key part of this pledge is to account for the carbon emission caused by travel, as it is one of the biggest sources for the organization. When looking at a flight, we will evaluate if the airline offset the carbon cost of the flight, and if they do not we will be adding the cost of the carbon offset to the ticket price. For us, including the carbon cost of travel is important to know for the overall cost of travel, and staying within the budget.

The NCRA/ANREC has always donated to organizations like Tree Canada, as part of offsetting carbon emissions, as seen in the 2022/2023 report the NCRA/ANREC has become a carbon neutral organization.

As we set an example, we would like to encourage and invite stations to join us in this effort and sign on to our Carbon Neutral Pledge. Accounting for increased costs, such as the carbon offset is more difficult now than ever, but we hope that stations will show leadership and courage in joining us in this initiative, as to help them take this step forward we encourage them to use this report as a template for their own climate audit.

Social Responsibility

The NCRA/ANREC mentioned before wished to lead by example and provide great resources for the radio stations to follow in their journey towards more sustainable operations. Many resources can be found in the environmental tab in the member's NCRA website - <https://members.ncra.ca/environment/> as well at the Additional Resources and References in this report.

As mentioned before, the NCRA/ANREC has worked in the past with organizations like Tree Canada, a Canadian non-profit charitable organization that promotes the planting and nurturing of trees in Canada's urban and rural areas to offset carbon emissions from travels for staff and board.

2023/2024 Carbon Emissions Results

Environmental Performance from April 1st 2023 to Mar 31st, 2024 (NCRA/ANREC Fiscal Year) .

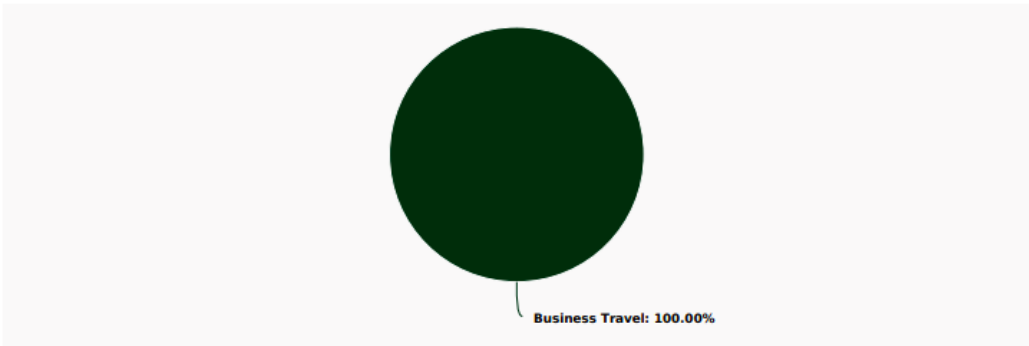


This table presents your organisation's environmental impacts in Carbon Dioxide Equivalent (CO2e).

FOOTPRINT	ENERGY	WATER & SEWAGE	WASTE	BUSINESS TRAVEL	FLEET TRAVEL	TOTAL
Sustainability Report 2023-2024 (April 1 to Mar 31)-v1	0 kg CO ₂ e	0 kg CO ₂ e	0 kg CO ₂ e	31 tonnes CO ₂ e	0 kg CO ₂ e	31 tonnes CO ₂ e

Carbon Footprint Report

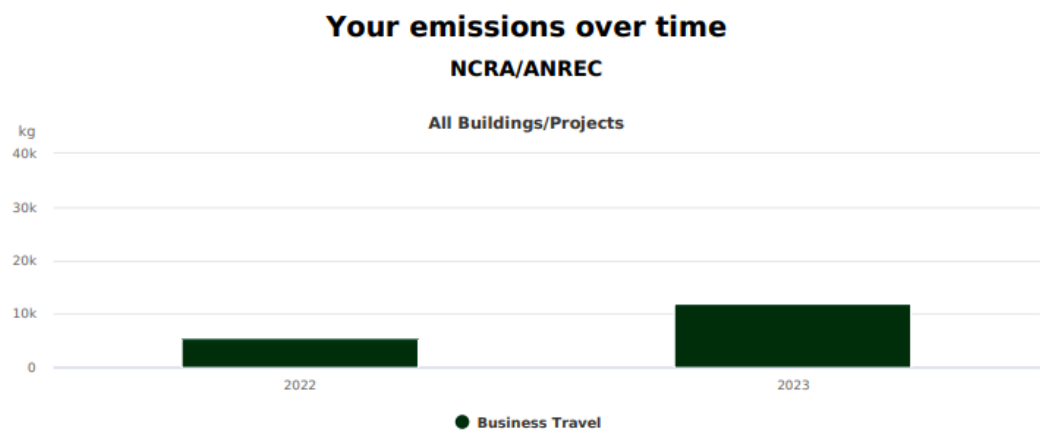
Total Carbon Footprint
NCRA/ANREC
2023: 31 tonnes CO₂e



This table presents your organisation's environmental impacts in Consumption and Carbon Dioxide Equivalent (CO2e) terms.

IMPACT	CONSUMPTION	CARBON
Business Travel	112,110 km	31 tonnes CO ₂ e
	Emissions Total	31 tonnes CO ₂ e

2022/2023 Carbon Emissions (14 tonnes CO2e) vs. 2023/2024 (31 tonnes CO2e) Carbon Emissions



This table presents your organisation’s environmental impacts in Carbon Dioxide Equivalent (CO2e) year-to-year.

YEAR	ENERGY	WATER & SEWAGE	WASTE	BUSINESS TRAVEL	AUDIENCE TRAVEL	FLEET TRAVEL	TOTAL
2022	0 kg CO ₂ e	0 kg CO ₂ e	0 kg CO ₂ e	14 tonnes CO ₂ e	0 kg CO ₂ e	0 kg CO ₂ e	14 tonnes CO ₂ e
2023	0 kg CO ₂ e	0 kg CO ₂ e	0 kg CO ₂ e	31 tonnes CO ₂ e	0 kg CO ₂ e	0 kg CO ₂ e	31 tonnes CO ₂ e

Performance Metrics and Data Breakdown - 2023/2024

The graph above was created by using Creative Climate Tools, as used last year for the emission breakdown.

As the NCRA/ANREC staff continue to work from home, it is difficult to measure the carbon emissions created during work hours. A computer emits 175 kgs of CO₂e into the atmosphere annually when used for eight hours a day, so to create a rough estimate, 175 kg * 2.5 (staff) equals 437.5 kg which is roughly 0.4375 metric tonnes.

The main result of carbon emissions as shown above comes from traveling. This was the same case for last year's main course of emissions. The NCRA/ANREC staff and their board of directors travel at least 2 times a year, most often than not by plane and train, depending on the travel destination, it is worth noting that this calculation also reflects return flights. Domestic Flight 99.96%

All the traveling information has been documented and used in the emissions calculator, this includes the NCRC41 in Calgary in 2023 and the Station Manager Summit in Sidney, BC in 2024.

The final results are that the NCRA/ANREC produced around 31 tonnes CO₂e all in business travel, with a very small amount of 0.31% for Accommodations.

In comparison to 2022/2023 this year's emissions were significantly higher. 2022/2023 (14 tonnes CO₂e) vs. 2023/2024 (31 tonnes CO₂e). This rise in emissions is due to the travel distances within Canada and where the staff and board of directors are located. In the 2022 - 2023 many were able to travel by train or car but due to the destinations from this fiscal year that was not possible.

Business Travel Breakdown

NCRC 41 - Calgary, Alberta

Staff	2x Ottawa - Calgary	Flight
Board Members Travel + NCRA travel coverage for members	Fredericton - Calgary	Flight
	St John's - Calgary	Flight
	2 x Toronto - Calgary	Flight
	Vancouver - Calgary	Flight
	Saint John - Calgary	Flight

Station Manager Summit - Sidney, BC

Staff	Ottawa - Sidney	Flight
Board Members Travel + NCRA travel coverage for members	Fredericton - Sidney	Flight
	2 x Toronto - Sidney	Flight
	2 x Ottawa - Sidney	Flight
	Windsor- Sidney	Flight
	Montreal - Sidney	Flight
	Saint John - Sidney	Flight
	Nanaimo - Sidney	Car
	St Johns - Sidney	Flight

Recommendations for Offsetting Carbon Emissions

The NCRA/ANREC last year worked with Tree Canada, as they have in the past. Tree Canada supports tree planting and reforestation projects across Canada, helping to offset carbon emissions and enhance biodiversity. As recommended in last year's report the NCRA/ANREC donated \$400 to offset carbon emissions.

The NCRA/ANREC has the option of partnering with Tree Canada again or exploring other organizations that have shown a reputable carbon offset. Here is a breakdown of some of those organizations, what they offer and what offsetting the carbon emissions looks like:

- [Offsetters](#), Offsetters is a Vancouver-based organization that provides carbon offset solutions for businesses and individuals. They support various projects, including renewable energy, forestry, and methane capture.
 - [Climate Action Portfolio](#) (\$26 CDN/TONNE)
 - Tonnes to offset: 31
 - Your Total: \$806 CAD
- [Less Emissions](#), Less Emissions offers carbon offset programs for businesses and individuals in Canada. They focus on projects that reduce greenhouse gas emissions and contribute to sustainability.
 - [Gold Standard-Certified International Offsets](#) (\$24.00 per tonne)
 - Total: \$744 CAD
- [Tree Canada](#), which we have worked with in the past supports tree planting and reforestation projects across Canada, helping to offset carbon emissions and enhance biodiversity.
 - You are unable to do a custom emission, they give you the option to donate per tonnes. 24 Tonnes = \$720 CAD
- [Carbonzero](#), Carbonzero offers carbon offset programs for individuals and businesses, supporting various projects that reduce greenhouse gas emissions.
 - Ontario Greenhouse Biomass to Energy Project (By preventing the decomposition of organic wood waste in landfills, methane emissions will be avoided.)
 - \$28.00 / tonne = \$754 CAD
 - Niagara, ON - Landfill Gas to Energy Project (This project collects, captures and recovers landfill gas originating at Niagara, Ontario's East Quarry Landfill, and processes it into a useable fuel source for distribution via pipeline to a nearby recycled paper mill.)
 - \$25.00 / tonne = \$697 CAD
 - Thermal Residential Heating Aggregation Project (This project replaces conventional residential fossil fuel combustion heating with solar heating systems located at private residences and commercial swimming pool locations across Canada.)
 - \$20.00 / tonne = \$620 CAD

Goals

The NRA/ANREC will continue to find ways to offset any carbon emissions as well as work towards reducing the emissions associated with travel, for example choosing the less emission friendly flight options when available.

As seen in the report, business travel continues to be the main source of carbon emissions for the organization and as compared to the year prior, an increase can be seen. The growth can be attributed to travel destinations and great distances within the country. This is a difficult emission source to reduce as it is in great pleasure to host these conferences and the location of said conferences is often chosen by the members. As we adapt we have been able to implement a more hybrid approach to the conferences and summits and though meeting face to face has an incredible value for all the members and the organization, having a hybrid sessions holds great importance and value not only for the environmental impact but for the cost and comfortability it gives our members.

The NCRA/ANREC will conduct a carbon emissions/climate audit once every 12 months which will be shared with their members at the annual AGM with the end goal being to show transparency and also utilize this report as a resource to reflect and grow towards a more sustainable organization.

Additional Resources and References

Some interesting resources to check out that explore and expand on carbon emissions offsetting are: [What is sustainable web design?](#) By Sustainable Web Design, [Carbon Offsetting](#) by Climate Impact Partners and [The Commons](#) by SCALE.

The environmental website (<https://members.ncra.ca/environment/>) also has other great resources for stations to implement such as [The Climate Impact Self Audit](#) (a quick checklist you can use to measure your station's climate impact). If your station has other environmental related resources they would like to share please contact eloisa@ncra.ca.

Additionally, the tool used to capture the data used for this report can be incredibly helpful for stations to create their own sustainability report - <https://ig-tools.com/>.

Feedback and Contact Information

The next report will again be drafted in May of 2025 for the fiscal year of 2024/2025 and presented to the members as part of the documents shared before the NCRA/ANREC's AGM which usually takes place in July. The NCRA/ANREC welcomes any feedback from stations for both this report and policy as well as for what they believe the organization can do better in the future in terms of their carbon footprint and overall environmental impact. You can reach out to Executive Director, Barry Rooke (barry@ncra.ca) or the Climate Committee Chair, Eloisa Veliz (eloisa@ncra.ca)