carbon 613 annual report 2019

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EnviroCentre is an Ottawa-based environmental non-profit committed to bringing environmental change to life. We do this by offering people, organizations and communities practical solutions to lighten their environmental impact in lasting ways. We believe dramatic reductions in greenhouse gas emissions are achieved through inspired environmental action and positive change. With this in mind, EnviroCentre focuses its efforts in four areas: **green business, green homes, green transportation, and green lifestyle**.



"As Member of Parliament for Ottawa Centre, it's important to continue to work together to make Ottawa the greenest capital in the world. Carbon 613 sets a great example of how we can achieve sustainability targets, create good jobs and build more inclusive, prosperous and sustainable communities. This is about improving our quality of life, protecting the environment, and creating a better future for our kids and grandkids."

THE HONOURABLE CATHERINE MCKENNA Minister of Infrastructure and Communities, Member of Parliament for Ottawa Centre

Carbon⁶¹³ •venvirocentre

Carbon 613 | Ottawa's Green Business Network

Sustainability and good business go hand in hand. With 20,000 businesses here on Ottawa, even small choices can have a significant impact.

Carbon 613 is EnviroCentre's green business program designed to help businesses meet their sustainability goals. This membership program turns business data into insights that drive measurable and effective climate action.



BUILDING UP TO NET-ZERO

2019 was a year of climate action. Youth worldwide stood up to raise awareness and demand climate action from our leaders in some of the largest climate protests ever seen. Ottawa city council declared a climate emergency and modified the municipal climate target to match the federal target of netzero emissions by 2050.

2019 was also the year when climate scientists, activists, and citizens alike sounded the alarm and declared that to keep planetary warming under 1.5 degrees, the global community must get emissions well in hand within the next decade.

The goals are in place, but the work to get there is still largely to come, and Canadian businesses and entrepreneurs have a big role to play in this process. Many organizations have already begun to recognize that reducing their carbon footprint has benefits, including to their bottom lines. In recent months, international firms like Microsoft, IKEA and Coca-Cola made public sustainability commitments. In Ottawa, Shopify launched a sustainability fund and began to source renewable power for heating, cooling and powering their facilities. Nearly 50% of Fortune 500 companies have set carbon reduction targets, with 23% committing to carbon neutrality by 2030.

Studies indicate that the best way for businesses to reduce carbon emissions effectively is to set clear targets and track annual carbon emissions using established carbon accounting methodologies. That is why Carbon 613 exists. Carbon 613 is Ottawa's target-setting program and one of nine Green Economy Hubs in Canada. It's also part of a network of over 275 businesses that are setting GHG reduction targets, tracking emissions, and reducing carbon.

Here in Ottawa, businesses alone can reduce GHGs by over 2 million tonnes. As the proud home to 20,000 businesses, the capacity for business impact in our region is significant. On the following pages, you will see how Carbon 613 member organizations are leading the way, taking action on climate, and committing to sustainability.

GREEN ECONOMY HIGHLIGHTS

Green Economy Canada continued its valuable advocacy work in 2019. The organization pushed for increased green funding for small-to-medium-sized enterprises (SMEs) in Canada in many ways. Along with targetsetting programs, input on policy decisions and testimony delivered before the Senate Standing Committee on National Finance on the importance of including SMEs in the transition to a low-carbon economy, they also guided members on effectively meeting their carbon reduction goals and highlighted one Carbon 613 member, Your Credit Union, as a case study.

Green Economy Canada helped hub members to understand what legislation like the federal backstop carbon pricing plan could mean for them, and worked to facilitate applications to the Climate Action Incentive Fund and Energy Manager Program.

The **GEC Connect 2019** event hosted Ontario's former environmental commissioner and environmental lawyer, Dr. Dianne Saxe. Carbon 613 member, Delphi Group, was also an award nominee. GEC also began development of a new, more intuitive carbon accounting tool for all hub members and synchronized operational processes both within and between the local networks.



CARBON 613 HIGHLIGHTS

Carbon 613 was pleased to welcome six new members to the network in 2019. High-profile institutional organizations included the RA Centre, Carleton University and the Shaw Centre. While lending expertise and visibility to sustainability work in the capital, each organization benefited from network connections and engagement opportunities.

Smaller organizations included the Alex Laidlaw Housing Co-operative, NVision Insight Group, and Fibics Inc., who contributed their own sector-specific perspective to the wider sustainability discussion, and benefited from program resources and direct sustainability support. These new members employ over 5,000 people, increasing the number of staff that Carbon 613 reached to around 32,000 people in Ottawa in 2019.

Among other popular events, Carbon 613 hosted Sustainable Facility Tours across the capital in partnership with IKEA Ottawa, CSV Architects, and the Centretown Citizens Ottawa Corporation. We contributed to a sustainability tour that the Shaw Centre offered for the International Organization for Standardization members and facilitated a "Financing Your Green Retrofit" breakfast session at the RA Centre, with J.L. Richards & Associates Limited and CoEnergy Co-operative. CoEnergy launched their new finance tool for facility energy retrofits and solar projects at the event.

All Carbon 613 events showcased sustainability in action, and featured members sharing their practical experiences and first-hand knowledge of procurement, retrofit and operational savings opportunities. CBC interviewed Carbon 613's program manager about "Greening Your Workplace Without Guilt," a talk she delivered at Green Drinks Ottawa about using celebration rather than shame as a driver for change.

We encouraged our members to support the Global Climate Strike and accommodate staff, students, and their families who chose to participate. Several members shared photos of the experience and a public commitment to improving the planet. Others participated in a digital climate strike that involved redirecting web traffic to highlight the issue. We followed the event with e-blasts that shared advice on workplace heating and cooling as the seasons changed, which would evolve into a weekly workplace tips series in 2020.







2019 MEMBER SUSTAINABILITY AWARDS



SUSTAINABILITY LEADERSHIP AWARD

Awarded to the Carbon 613 member who shows the greatest commitment to improving sustainability within the community and across the network, as well as in their own operations.



2019 RECIPIENT

Since joining Carbon 613 in 2018, IKEA Ottawa has continued to implement operational sustainability initiatives and to inspire and collaborate with the wider community of Ottawa. In 2019, IKEA Ottawa partnered with Second Harvest Food Rescue to reduce food waste and phased out all single-use plastics from the restaurant. Additionally, IKEA Ottawa hosted the 2019 Electric Vehicle (EV) Day and sustainable facilities tours for Carbon 613 members.



SUSTAINABILITY PROJECT AWARD

Awarded to the Carbon 613 member who implements the year's best sustainability project.

Centre Shaw) Centre

2019 RECIPIENT SHAW CENTRE

The Shaw Centre's 2019 sustainability projects included building automation system optimization and sensor upgrades and the installation of revolving doors, which have resulted in improved energy efficiency, reduced heat transfer and improved building pressurization. They are also a LEED Gold Certified Building and support the Ottawa Food Rescue by donating unused food products.



EMERGING EXCELLENCE AWARD

Awarded to a Carbon 613 member who joined the program within the past year and has shown the greatest enthusiasm, leadership and engagement on sustainability issues.



2019 RECIPIENT CARLETON UNIVERSITY

Carleton University joined Carbon 613 in 2019 and is the first post-secondary institution to join the Ottawa network. Carleton has undertaken numerous sustainability projects - some of which include earning a 3-Star Green Restaurant Certification, 4 Green Globes rating for the ARISE Building, and the expansion of their compost program beyond dining services.

MEET CARBON 613 **MEMBERS**





Alex Laidlaw Housing Cooperative

Alt Hotels

Angela's Bed & Breakfast Ottawa Angela's Bed & Breakfast	Canadian Museum of Nature	Carleton University	Centretown Citizens Ottawa Corporation	Ottawa City of Ottawa
Communityworks Non-Profit Housing Corporation	CSV ARCHITECTS	DELPHI GROUP Delphi Group	Desloges, Co-op d'Habitation	Electronic Distributors International
			GHTENCO NVision Insig Group Inc. Nvision Insig Group	DISTRICT SCHOOL BOARD
OpenConcept OpenConcept	OTTAWA BOARD & TRADE Ottawa Board of Trade	RA Centre	Centre Shaw) Centre Shaw Centre	SHEPHERDS OF GOOD HOPE LES BERGERS DE L'ESPOIR Shepherds of Good Hope
S.I. Systems S.I. Systems	TD Bank Ottawa	UNITY HOUSING Unity NPHC Ottawa	COOPÉRATIVE D'HABITATION VOISINS INC.	Your Credit Union

d'habitation

CARBON 613 HIGHLIGHTS

TARGET SETTING MEMBERS



alt HOTELS | ALT HOTEL OTTAWA

- Provided recycling training to staff reducing the hotel's waste stream by 20%
- Installed compost system in their Altcetera Café, second-floor kitchen, and staff room
- Green team provided staff with presentations and workshops



ANGELA'S BED & BREAKFAST

- Owner Angela Keller-Herzog ran for MP with the Green Party in the 2019 federal election to further advocate for climate reform as a small business owner
- Completed a building walkthrough with Carbon 613's technical advisor to identify improvement opportunities
- Continued to offset emissions via solar PV installations on the building and purchased carbon credits



- Committed to investing \$6 million into electric buses and charging infrastructure, targeting having the first electric buses running as early as 2021
- Opened first phase of LRT in September 2019, replacing 12.5 km of diesel bus rapid transit with low-carbon electric powered trains
- Currently developing Energy Evolution, Ottawa's Community Energy Transition Strategy, which sets framework for achieving GHG emission reduction targets





"We're really happy that the EnviroCentre & Carbon 613 are helping individuals and organizations in Ottawa work together for a greener world. There is just so much that needs to be done, we just cannot do it alone, and it really helps to have champions like this locally to help us start rowing in the same, sustainable, direction."

> MIKE GIFFORD OpenConcept

CARBON 613 HIGHLIGHTS

TARGET SETTING MEMBERS



DELPHI GROUP

- Implemented measures to reduce "phantom power" across all offices
- Began to develop a green procurement guide to formalize existing practices and increase sustainability through purchasing
- Switched all lighting to energy efficient LED



OCDSB

- Continued with energy-saving boiler and HVAC system replacements, solar installations, and more upgrades across several schools
- Completed a new 120 kW net-metering solar power installation, as well as a complete retrofit of LED lighting and occupancy lighting controls, at West Carleton Secondary School.
- Increased their previous GHG reduction target of 15% from 2013 levels to 20% by 2023

penConcept OPENCONCEPT

- Founder and CEO Mike Gifford was the keynote speaker at Carbon 613's Biz4Good Green Mixer, teaching members about the hidden footprint of digital technology and the web
- Launched a sustainable web manifesto
- Provided education on the CO2 impact of the internet and worked with existing and potential clients to raise awareness on the impact of their websites



YOUR CREDIT UNION

- Achieved their 20% GHG reduction goal seven years early
- Installed a building automation system, automated HVAC controls, and completed LED lighting retrofits
- Offered the first green mortgage program in Canada

NON-TARGET SETTING MEMBERS

ALEX LAIDLAW HOUSING COOPERATIVE

- Completed energy-efficiency retrofits on 24 housing units in the co-operative, including upgrades to attic insulation, heating systems, windows, doors, and air leakage
- Hosted a Communauto spot, allowing families and tenants an opportunity to own fewer personal vehicles

CANADIAN MUSEUM OF NATURE

- Began a chiller replacement project in the facility that will contribute to their bottom line and reduce their electrical consumption by up to 20%
- Completed multiple LED lighting retrofit projects
- Shared experiences from their 2005-2010 renewal project and 2019 exterior masonry envelope infrared scanning study to guide future renovation projects

CARLETON UNIVERSITY

• Recognized within this year's UI GreenMetric World University Rankings, placing 2nd in Canada and 35th in the world — further highlighting progress towards a 35% reduction in carbon

emissions, zero waste in its central food court and residence dining hall, and its transportation record of more than 70% active or public transportation use by students

- Dining services achieved the Green Restaurant certification, earning a 3 star for employing sustainable practices, including waste management and menu planning.
- Green Globes rating of 4 globes for its ARISE building and National Fair Trade Campus Week Champion title





CENTRETOWN CITIZENS OTTAWA CORPORATION

Member since 2017



COMMUNITYWORKS

Communityworks • Member since 2017



DESLOGES, CO-OP D'HABITATION

Member since 2017

CSV ARCHITECTS

- Designed and moved to a new office space that reflects the **CSV** ARCHITECTS CSV Architects mission and values and improves employee well-being
- Installed LED lighting with occupancy and dimming controls
- Installed low-flow fixtures and ENERGY STAR certified appliances

FIBICS INCORPORATED

Fibics



 Promoted bulk shipping to reduce emissions from packaging and transportation, and provided software digitally instead of in physical format whenever possible

ELECTRONIC DISTRIBUTORS INTERNATIONAL

 Provided R2 recycling services to businesses, aiming to maximize the amount of difficult or



hazardous materials like e-waste that can be recycled and avoid going into landfill

 Sought out equipment to recycle more diverse materials in larger quantities

- HYDRO OTTAWA HydroOttawa
- Moved into a new highly efficient facility, complete with a solar installation
- Started a new EV charging station pilot program specifically designed for residential homes
- Launched the ThinkEnergy podcast

NON-TARGET SETTING MEMBERS

IKEA OTTAWA

- Hosted a facility tour for Carbon 613 members and EnviroCentre's Electric Vehicle Day event
- Achieved 30% food production waste reduction through a waste watchers program and replaced all restaurant single-use plastics with a compostable solution
- Completed an internal audit of sustainable operations and provided sustainability training for co-workers

LIGHTENCO

 Partnered with RA Centre to open Lightenco

LIGHTENCO

- softball facilities that will save up to 80% on electricity and maintenance compared to a standard build
- Started an active green team
- Started office compost and recycling programs

NVISION INSIGHT GROUP

- Started a green team, which actively promotes a culture of sharing sustainable purchases and behaviours among staff
- Switched to forest-free, sugar cane office paper
- Participated in Carbon 613 workshops and educational events





OTTAWA BOARD OF TRADE

Member since 2016

S.i.Systems • N

S.i. SYSTEMS

Member since 2017

RA CENTRE

• Started designing the new Canadian Sport for Life & Rehabilitation Centre facility which will be carbon neutral



Associates Limited and CoEnergy Co-operative
Officially opened the Lightenco Softball Centre after partnering on a complete lighting retrofit of the fields, projected to reduce electricity usage by 80%

SHEPHERDS OF GOOD HOPE

 Completed energy-efficient retrofits and equipment upgrades

SHEPHERDS OF GOOD HOPE LES BERGERS DE L'ESPOIR

- Identified operational goals and completed a legal feasibility study on measures to reduce food waste, including composting, food rescue, and selling unused food
- Participated in Bike to Work Month

UNITY NPHC OTTAWA • Member since 2017

VOISINS, COOPERATIVE D'HABITATION VOISINS_{INC} • Member since 2017

• TD Friends of the Environment

Foundation supported local

SHAW CENTRE

- Building automation system Centre Shaw) Centre optimization and sensor upgrades have resulted in improved energy efficiency and reduced hydro and gas consumption
- Installed new revolving doors to reduce heat transfer and improve building pressurization
- Instituted a practice of donating unused food to Ottawa Food Rescue, reducing organic waste

TD BANK OTTAWA



- activities, including tree plantings across Canada
- TD Green Bonds supported North American projects that contribute to the low-carbon economy
- Spoke at Carbon 613's Biz4Good Green Mixer

Carbon 613 Pledge

To keep our world healthy and stable, we need to cut carbon.

From public health to local resilience to food security to the threat of species extinction and economic stability, climate change impacts everything.

There are 20,000 businesses in Ottawa. We can have a huge impact on change.

Carbon 613 businesses have committed to working toward a net-zero Ottawa in 2050.

We are businesses that support positive action on climate, intent on working toward a net-zero, sustainable and better city.

Carbon reduction takes everyone. Ottawa business is moving the needle on climate. Join in.





Ottawa Businesses working together for a Greener Ottawa www.yourgreenbusiness.ca



JOIN OUR GREEN BUSINESS NETWORK!

When it comes to climate change, your business matters. Get started on your journey towards sustainability with Carbon 613.



MEMBERSHIP INCLUDES:



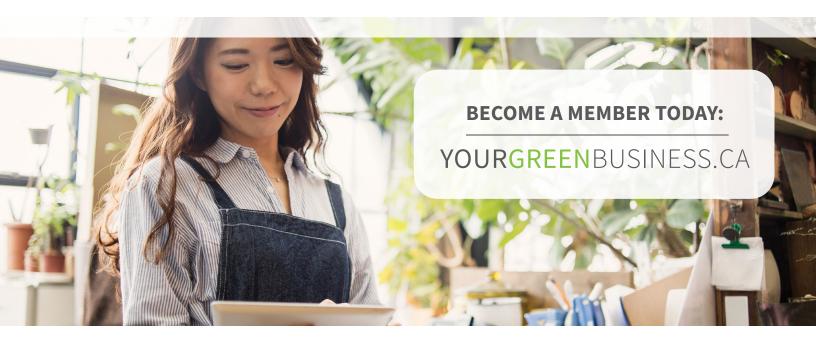
Assistance with tracking your GHG emissions using recognized international standards



Joining of a **national movement** of more than 275 green businesses



Setting and achieving measurable environmental targets



STAY CONNECTED

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Carbon⁶¹³

Ontario Trillium Foundation An agency of the Government of Ontario. Un organisme du gouvernement de l'Ontario.

EnviroCentre received an Ontario Trillium Foundation Grow Grant to expand the Carbon 613 program. The Ontario Trillium Foundation (OTF) is an agency of the Government of Ontario, and one of Canada's leading granting foundations. OTF awarded more than \$120 million to some 700 projects last year to build healthy and vibrant communities in Ontario.

GREEN ECONOMY CANADA NETWORK SPONSOR

