



SUSTAINABILITY **REPORT** **2017**

envirocentre



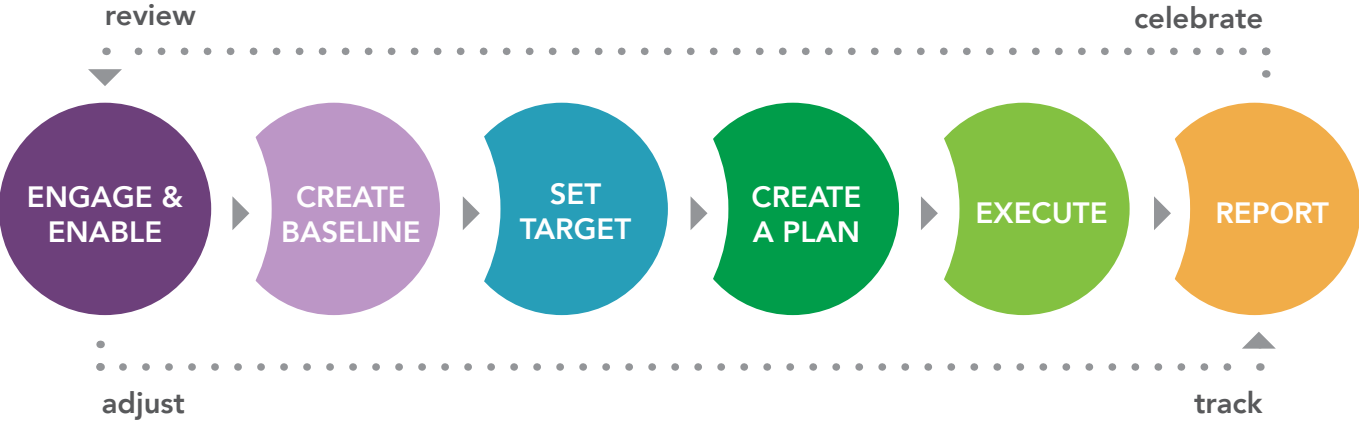
“IT HAS NEVER BEEN AS IMPORTANT AS IT IS NOW FOR ORGANIZATIONS TO BE ABLE TO **ADAPT AND DO SO QUICKLY** TO OUR ENVIRONMENTAL REALITY. HAVING A LOCAL COMMUNITY OF ORGANIZATIONS THAT ARE WORKING TO REDUCE THEIR NEGATIVE IMPACTS MAKES ADOPTION OF BEST PRACTICES MUCH EASIER. THANKS CARBON 613 FOR PULLING THIS LIST OF ORGANIZATIONS TOGETHER.”

- MIKE GIFFORD, OPENCONCEPT



Carbon 613 is EnviroCentre’s target-based sustainability program for Ottawa businesses and organizations. Through Carbon 613, we are convening a network of organizations and businesses to set and achieve greenhouse gas (GHG) reduction targets. Members are empowered with the guidance, resources, and expertise needed to achieve their goals, and celebrated for progress made. Together we are demonstrating that sustainability is in business’ best interest.

MEMBER PROGRESS



EnviroCentre’s Carbon 613 program is one of seven Green Economy Hubs across Ontario supporting networks of businesses to set and achieve sustainability targets. Together we’re demonstrating that a more sustainable economy is possible.

EnviroCentre is an Ottawa-based environmental non-profit which brings environmental change to life 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 concentrates its efforts in three areas:



HEALTHY,
EFFICIENT HOMES



CONNECTED, ENVIRONMENTALLY
AWARE ORGANIZATIONS



ENGAGED, SUSTAINABLE
COMMUNITIES

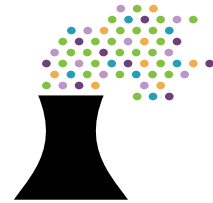


ACROSS THE GREEN
ECONOMY NETWORK

93

BUSINESSES
JOINED HUBS

19

GHG
TARGETS SET

16,371

TONNES
OF GHG
COMMITTED TO
BE REDUCEDCARBON 613 NETWORK
EMISSIONS SOURCES46%
SCOPE 1

Direct emissions from sources owned or controlled by the company. For example, the natural gas used in a gas boiler.

2.4%
SCOPE 2

Purchased emissions, from the consumption of purchased electricity, steam or other upstream sources. For example, electricity use in an office building.

51.6%
SCOPE 3

Indirect emissions, upstream and downstream emissions that are a consequence of the organization's operations, but are not directly controlled by the organization. For example, emissions from an employee's daily commute.

CARBON 613 TO DATE



32

MEMBERS



7

SET A TARGET



2,991.57

TONS CO₂e GHG
REDUCTION
COMMITMENTS

**“THE CARBON
613 TEAM
IS ALWAYS
READY TO HELP
SUPPORT AND
SET US UP FOR
SUCCESS!”**

- STEVE HUBBARD, LIGHTENCO



SUSTAINABLE TECHNOLOGY SHOWCASE

Ottawa is both a national technology hub and a leader on environmental sustainability. With many exciting innovations taking place in both sectors, Invest Ottawa and Carbon 613 held a Sustainable Technologies Showcase to bring climate mitigation solutions to businesses looking to reduce their carbon footprint.



ALT HOTEL ENERGY WALKTHROUGH

Alt Hotels are designed and built with careful attention to environmental conservation, efficiency, and controls. This interactive building tour gave attendees a look at the hotel's green features, including Geothermal heating and cooling systems, heat recovery programs, low-E windows and central room-key lighting control.



CALCULATING YOUR CORPORATE CARBON FOOTPRINT

To reach their sustainability goals, many organizations benefit from creating a corporate greenhouse gas inventory. This webinar with Delphi Group helped attendees learn how to identify and overcome the most common challenges faced by businesses and institutions in translating their energy use data into a carbon footprint.



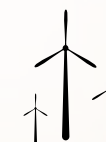
COMMUNICATING SUSTAINABILITY

There is a lot of uncertainty around the word 'sustainability'. What does it mean? Do customers really understand the value, and definition, of green products? Our expert panel shared insights gathered through their experience in communicating sustainability initiatives in explain how marketing and communication principles can be applied to environmentalism..



ELECTRIC VEHICLES FOR BUSINESSES

Electric Vehicles are not just for individuals and large corporations. Small and medium-sized businesses are finding that EVs are effective and cost-friendly additions to their corporate fleet - however small it may be. Carbon 613 and the Ottawa Chamber of Commerce led a discussion on how EVs can help the corporate bottom line.

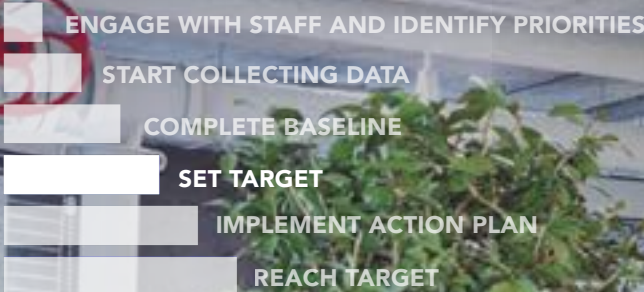


GREEN FUNDING OPPORTUNITIES

With energy efficiency, climate change and greenhouse gas reduction funding programs available at the municipal, provincial and federal level, there are many opportunities to consider. This seminar helped Ottawa-based organizations sort through opportunities and search for a match for their green ideas.

TARGET-SETTING MEMBERS

ACHIEVEMENTS



THE ACHIEVEMENTS

THE ACHIEVEMENTS GRAPH IS USED TO COMMUNICATE WHERE EACH MEMBER IS IN THE PROGRAM AND WHAT THEY ARE CURRENTLY WORKING ON.



1. ENGAGE WITH STAFF AND IDENTIFY PRIORITIES - Members begin by consulting with their team and identifying the key areas and opportunities where they'd like to make a sustainability impact. Organizational buy-in from top to bottom is essential to the carbon footprint reduction process.



2. START COLLECTING DATA - You can't manage what you don't measure. Collecting data may mean gathering electricity bills or it may be about staff recording their daily commute information on a spreadsheet. Either way, the organization is setting the stage for the next steps toward sustainability.



3. COMPLETE BASELINE - The baseline year is the year against which future emission reductions will be measured. As the organization grows and changes, they can look back at this full year of greenhouse gas data, compare it to following years, and see their progress in reducing carbon emissions over time.



4. SET TARGET - With the baseline year in place, the member is ready to take the plunge and set a greenhouse gas reduction target. These 10-year goals give the member something concrete to work toward as they improve their sustainability.



5. IMPLEMENT ACTION PLAN - We've set a target, now how do we reach it? The action plan provides a roadmap to take the member from where they are to where they want to be. Implementing the action plan means making progress toward reduction goals.



6. REACH TARGET - Congratulations! With Carbon 613 support and recognition every step of the way, you've set and met a greenhouse gas reduction target. Pat yourself on the back and now aim even higher for your next target!

THESE SEVEN MEMBERS SET GHG REDUCTION TARGETS:



ALT HOTELS

YEAR JOINED: 2017

HIGHLIGHTS:

- 10% intensity target by 2027
- Geothermal heating and cooling system saves energy and money



ANGELA'S BED & BREAKFAST

YEAR JOINED: 2016

HIGHLIGHTS:

- 15% absolute target by 2022
- Setting back temperatures at night
- Super high-efficiency washing machine



DELPHI GROUP

YEAR JOINED: 2016

HIGHLIGHTS:

- 20% intensity target by 2026
- Upgrading office lighting and replacing air conditioning and air handling unit
- Upgrading wall and ceiling insulation



OPENCONCEPT

YEAR JOINED: 2017

HIGHLIGHTS:

- 10% absolute target by 2023
- Bullfrog powered
- Moved servers to a climate-neutral host



OTTAWA CARLETON DISTRICT SCHOOL BOARD

YEAR JOINED: 2015

HIGHLIGHTS:

- 15% absolute target by 2025
- Upgraded Building Automation System and HVAC controls. Achieved energy/cost savings by reducing run times of equipment. Moved servers to a climate-neutral host
- Made \$3 million of investments in energy-saving initiatives, anticipating \$800,000 annual savings



SMARTER SHIFT

YEAR JOINED: 2015

HIGHLIGHTS:

- 60% absolute target by 2026
- Switched from air to ground travel



YOUR CREDIT UNION

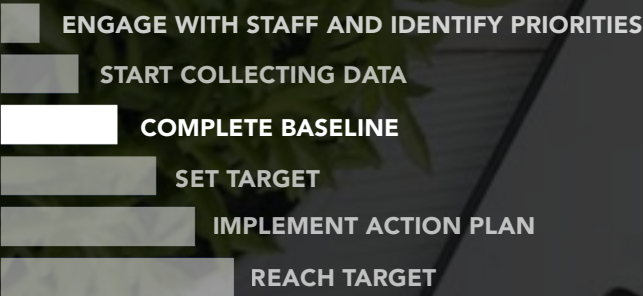
YEAR JOINED: 2016

HIGHLIGHTS:

- 20% absolute target by 2025
- Purchased an electric vehicle and are using videoconferencing to reduce business travel
- Developing a sustainability action plan

THESE ELEVEN MEMBERS COMPLETED GHG BASELINE INVENTORIES

ACHIEVEMENTS



**CENTRETOWN CITIZENS
OTTAWA CORPORATION**

YEAR JOINED: 2017

HIGHLIGHTS:

- Completed an energy audit on multi-unit residential building at 151 Parkdale Ave.
- Engaged tenants with a personalized sustainability report card to promote positive environmental behaviour



OTTAWA CHAMBER OF COMMERCE

YEAR JOINED: 2016

HIGHLIGHTS:

- Overhauling internal systems to reduce printing and create less paper waste



CITY OF OTTAWA

YEAR JOINED: 2016

HIGHLIGHTS:

- Supported Electric Circuit in installing 6 DC Fast Chargers and 7 Level 2 EV charging stations on City property by 2027
- Approved new Corporate Electric Vehicle Charging Station Policy to encourage EV adoption and reduce GHGs



**COMMUNITYWORKS
NON-PROFIT
HOUSING**

YEAR JOINED: 2017

HIGHLIGHTS:

- Replaced boiler and upgraded elevator to increase efficiency and save energy
- Completed an energy audit on multi-unit residential building at 30 Provender Ave.



**COOPÉRATIVE
D'HABITATION
VOISINS**

YEAR JOINED: 2017

HIGHLIGHTS:

- Lighting retrofit project is saving the co-op money on electricity bills and updating the look of the common spaces
- Completed an energy audit on multi-unit residential building at 440 Wiggins Pvt.



**COOPÉRATIVE
D'HABITATION
DESLOGES**

YEAR JOINED: 2017

HIGHLIGHTS:

- Completed an energy audit on multi-unit residential building at 10 Desloges Pvt.

CSV ARCHITECTS

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YEAR JOINED: 2016

HIGHLIGHTS:

- Developed a discussion on Ontario's Mandatory Energy and Water Reporting for Large Buildings for Green Economy Canada hub, Sustainable Kingston



HYDRO OTTAWA

YEAR JOINED: 2016

HIGHLIGHTS:

- Diverted 92 percent of non-hazardous wastes (liquid and solid) away from landfill and cut paper consumption.
- Continued the conversion of fleet to lower-impact vehicles



LIGHTENCO

YEAR JOINED: 2016

HIGHLIGHTS:

- Greened fleet with purchase of two new EVs
- Upgraded lighting to LEDs



STRATOS

YEAR JOINED: 2016

HIGHLIGHTS:

- Staff engagement, commuting and lighting projects



**UNITY HOUSING
OTTAWA**

YEAR JOINED: 2017

HIGHLIGHTS:

- Completed an energy audit on multi-unit residential building at 55 Hilda St.



YEAR JOINED: 2017

HIGHLIGHTS:

- Implementing energy and electricity saving measures through office renovations



ARBORUS

YEAR JOINED: 2015

HIGHLIGHTS:

- Reviewing organizational waste output



MUSEUM OF NATURE

YEAR JOINED: 2016

HIGHLIGHTS:

- Implemented environmental stewardship policy, including greening of operations guidelines



BLACK GOLD COFFEE

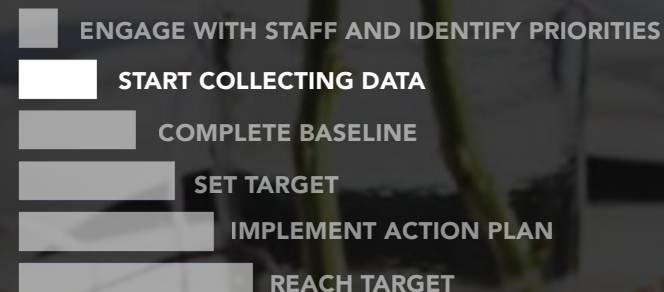
YEAR JOINED: 2017

HIGHLIGHTS:

- Implemented a waste-management project and upgraded office lighting efficiency

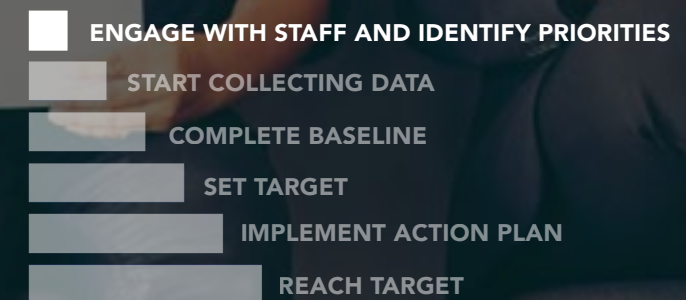
THESE **FOUR** MEMBERS STARTED COLLECTING DATA:

ACHIEVEMENTS



THESE **TEN** MEMBERS STARTED ENGAGING WITH STAFF AND IDENTIFYING PRIORITIES

ACHIEVEMENTS



BANFIELD
YEAR JOINED: 2016

COMMUNITY FOUNDATIONS OF CANADA
YEAR JOINED: 2017

EDI
YEAR JOINED: 2017

IKEA
YEAR JOINED: 2018

LUNCH
YEAR JOINED: 2017

POSTERITY GROUP
YEAR JOINED: 2017

RIMIKON
YEAR JOINED: 2016

S.I. SYSTEMS
YEAR JOINED: 2017

TD BANK
YEAR JOINED: 2017

WALLER ST. BREWING
YEAR JOINED: 2017

New members to Carbon 613 are in the **process of analysing their key corporate sustainability opportunities** in order to get the most out of their membership.

MEMBERSHIP 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.

CSV ARCHITECTS

CSV ARCHITECTS

Whether it was the opening of Ottawa's first passive house or the tasteful addition of green space to a design, CSV's fingerprints are all over much that was green in Ottawa in 2017. Committed to walking the talk, CSV has undertaken multiple waste audits, embraced sustainable business travel and is committed to reducing their environmental impact in any way possible.

BEST SUSTAINABILITY PROJECT

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



OTTAWA-CARLETON DISTRICT SCHOOL BOARD

The Ottawa-Carleton District School Board has very quietly been one of Ottawa's most committed and innovative sustainability leaders. In 2017, the Board installed net-metered solar PV panels on the roofs of 40 schools, with plans to add more. These projects, combined with extensive energy retrofits, has the organization well on the way toward meeting its GHG reduction goals.

ROOKIE OF THE YEAR

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.



ALT HOTELS

Alt Hotel dove into sustainability with both feet. Since opening in May 2016, the hotel has shown enthusiasm and excitement for engaging with the sustainability community, whether by hosting Carbon 613 network tours or by setting ambitious GHG reduction targets to complement their existing geothermal heating system. We're excited to see what the Alt team does next!

"WE ARE NEW MEMBERS BUT WE HAVE APPRECIATED THE ENTHUSIASM AND PROFESSIONALISM OF CARBON 613 AND THE NETWORKING OPPORTUNITIES THEY'VE BROUGHT TO OUR HOUSING CO-OP."

- ELKE DRING, CO-OPERATIVE D'HABITATION VOISINS

Recycle

Climate change

Energy saving



Industry 1



2016 WINNERS

"YOUR CREDIT UNION IS PROUD TO BE A MEMBER OF CARBON 613. THE PROGRAM PROVIDES US WITH CONCRETE TOOLS AND KNOWLEDGE TO TRACK AND UNDERSTAND OUR ENERGY USE, AND HELPS US SET TARGETS FOR REDUCTION AND REMAIN ACCOUNTABLE. CARBON 613 IS AN INSTRUMENTAL PART OF OUR SUSTAINABILITY MANDATE."

- JOEL LALONDE, PRESIDENT AND CEO, YOUR CREDIT UNION

PRESENTING SPONSOR



SUPPORTING SPONSOR



CATALYZERS

Organizations which supported Carbon 613 with a one-time financial investment ensuring the long-term viability of the program.



CARBON 613 ADVISORY COUNCIL

Individuals providing support, strategic leadership and technical guidance to the program.

Shawn Carr
Furguslea Properties Ltd.

David Handleman
TD Bank

Robin Hutcheson
Arborus Consulting

Paul Labrosse
Hydro Ottawa

Clem Laferriere
Ottawa-Carleton District School Board

Fin MacDonald
Morrison Hershfield

Brandon Malleck
Bentall Kennedy

Jennifer Brown
City of Ottawa

COLLABORATORS

Sustainability professionals and organizations that collaborate and work with Carbon 613 to ensure the recognition, credibility, technical know-how and accessibility of the program in a mutually-beneficial way.



Interested in supporting Ottawa's green economy?
Contact us at carbon613@envirocentre.ca for more information

STAY CONNECTED



carbon613.ca



carbon613@envirocentre.ca



613.656.0100



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[envirocentre \(Ottawa\)](https://www.linkedin.com/company/envirocentre)

ENVIRONMENTAL IMPACT STATEMENT

250 copies of the Year-End Report were printed using 25kg of 100% post-consumer paper.

By using environmentally friendly paper we saved:

75 kg CO2 emissions | 23 kg of solid waste | 1862 liters of water

Environmental impact estimates were made using the Environmental Paper Network Paper Calculator Version 3.2.

For more information visit www.papercalculator.org

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