



613

sustainability
report 2016



I can't wait until they finally make a climate change superhero movie. Our hero will always carpool to the scene of the crime, installing LED lightbulbs at the speed of, uh, light.

We'll hear that casting announcement anytime now, but our **Carbon 613** members aren't waiting for anyone else to save the day. They're replacing car fleets with electric vehicles, upgrading their lighting, tracking their emissions and reducing waste.

2016 saw our **Carbon 613** network grow and double and grow again. From municipal managers to industry innovators to private sector pioneers, we're amplifying each other's sustainability impact.

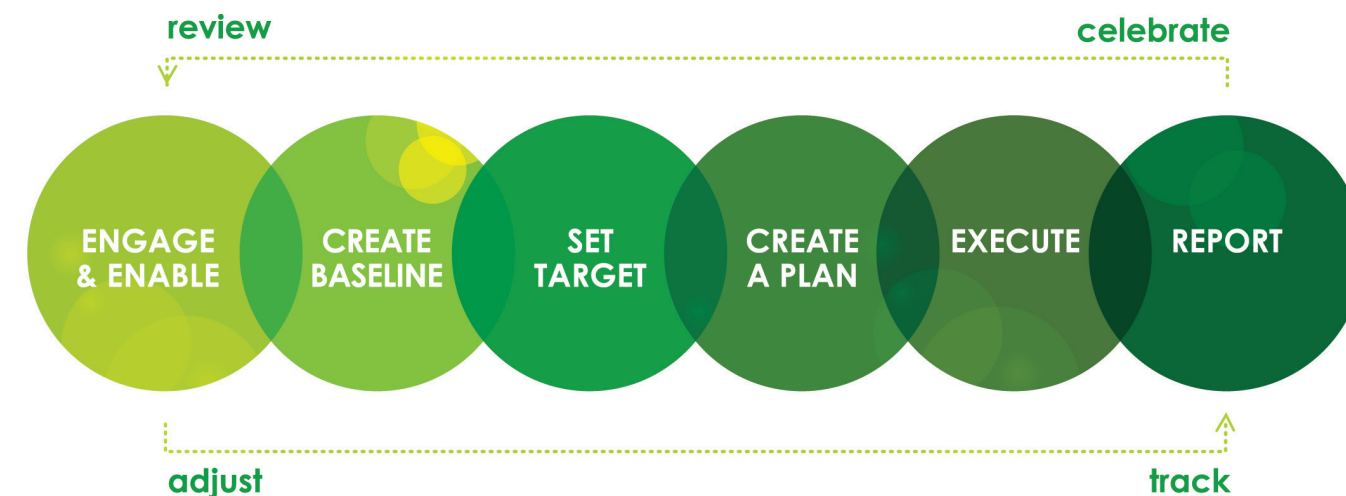
Each member brings its particular expertise, talents and abilities to the network. Who needs to punch through walls when you know how to increase their insulation value. Who needs to fly when you've installed videoconferencing software for remote meetings. Who needs ESP when you can learn how to do all these amazing things from other members during workshops and seminars.

If climate change is the villain threatening our planet, teamwork is its Achilles heel, the chink in its armor. We need everyone onboard if we're going to slay the beast and **Carbon 613** members are up to the challenge.

— **Congratulations on another year of being your own hero. Here's to tackling the next heroic quest together.**

About Carbon 613

EnviroCentre's **Carbon 613** is our made-in-Ottawa, target-based sustainability program for business. The program is creating a network of like-minded businesses that are embedding sustainability into their operations and gaining a competitive advantage. Together we are demonstrating that sustainability is in business' best interest.



Our members get the support they need to measure and reduce their company's carbon footprint, including education, one-on-one coaching, tools and resources. **Carbon 613** members are recognized as sustainability leaders in the National Capital Region.

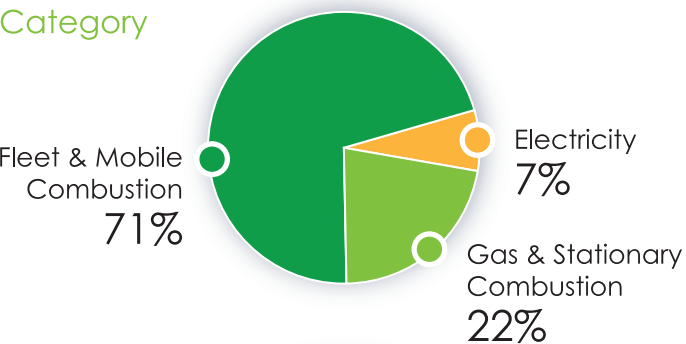


EnviroCentre's Carbon 613 is one of eight social enterprises across Ontario convening networks of businesses setting sustainability targets with the support of Sustainability CoLab. Together we're demonstrating that a more sustainable economy is possible.

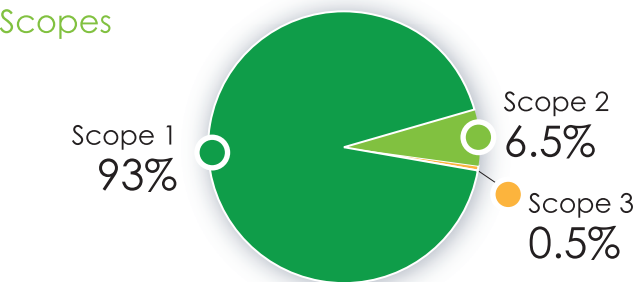
Carbon 613 in 2016

Total Member Emissions by Category and Scope (12 members with baselines)

Category



Scopes



What are Scopes?

SCOPE 1	Direct emissions from sources owned or controlled by the company. For example, the natural gas used in a gas boiler.
SCOPE 2	Purchased emissions, from the consumption of purchased electricity, steam or other upstream sources. For example, electricity use in an office building.
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.

2016 Events

316 Event participants

CAP AND TRADE LEGISLATION: WHAT IT MEANS FOR OTTAWA BUSINESS	ENERGY EFFICIENCY WALKTHROUGH	SUSTAINABLE COMMUTER OPTIONS	BUILDING A SUCCESSFUL GREEN TEAM	FROM PARIS TO OTTAWA: A COP21 DEBRIEF
--	-------------------------------	------------------------------	----------------------------------	---------------------------------------

This seminar, held in collaboration with the Ottawa Chamber of Commerce provided strategies for positioning one's organization within a Cap and Trade environment.

Carbon 613 members, Lightenco and Arborus Consulting led a walkthrough of Your Credit Union's head office, exploring the basics of building energy efficiency and lighting; helping building owners and tenants identify practical energy-saving solutions.

This **Carbon 613** workshop demonstrates practical ways for businesses to overcome real and perceived barriers for sustainable commuting options. Participants learned how to save costs and reduce carbon emissions by creating innovative workplace practices that support sustainable commuting.

Our workshop facilitator from Mountain Equipment Co-op's green team in Ottawa provided attendees with insights on the ins-and-outs of engaging your organization with employee-lead initiatives.

How can an organization contribute to the momentum from COP21? Speakers from Environmental Defence and Smarter Shift debriefed on their COP21 experience and inspired local businesses to take action.

In the Numbers

18 Members 12 Members who completed a baseline inventory



Number of small, medium and large businesses in the program
 Small (1-5 employees): 8
 Medium (6-50 employees): 7
 Large (51+ employees): 5

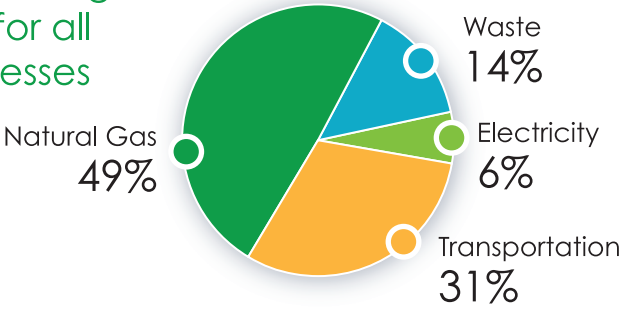
2,135,000 tonnes of CO2e for which Ottawa businesses are responsible

Top 3 emission source sectors in Ottawa



Accommodation and Food Services: 276,500 tCO2e
Construction: 268,300 tCO2e
Office-based Businesses: 219,900 tCO2e

Emission percentage by category for all Ottawa Businesses



Source: Ottawa Business Energy & Emissions Profile (2017). Climate Smart. <http://bit.ly/OttawaBEEPDashboard>.

100% Member retention 3.43% total Ottawa workforce within **Carbon 613**

400% Increase in Twitter followers from 2015

"**Carbon 613** is an amazing [program] with a focus on helping businesses move forward into a sustainable mode of operation."
 – Medical Pharmacies Group

Hero Story: Angela's Bed and Breakfast

Angela's B&B has gone car-free. Tired of wondering whether she could operate her business without a car or not, Angela took the plunge early this year and hasn't looked back. She commutes by VRTUCAR and bicycle to her busy schedule of meetings and appointments around the city, presenting an inspirational model for her guests, to whom she offers a free bicycle loan for the duration of their stay at the B&B.

Big wish: Pilot a geo-thermal heating project in her old building, cutting her heating bill.

"The **Carbon 613** network is a great way to build momentum for low-carbon initiatives across the local business community, and to encourage networking and sharing of ideas among companies that are getting involved."

– Smarter Shift

Hero Story: Ottawa-Carleton District School Board (OCDSB)

OCDSB reduced their electricity use through interior and exterior lighting retrofits, but they understand that their greatest sustainability resource is the students themselves. This year, 46 OCDSB schools participated in the EcoSchools program, providing the children with the waste management, energy conservation and environmental literacy they need to continue the school board's sustainability progress.

Big wish:
Build carbon-neutral schools.

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

Okay great, I've joined **Carbon 613**, what do I do now? 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!

Our Members



Ottawa-Carleton District School Board

Year joined the program: **2015**

Superpower: Supported the establishment of 46 certified EcoSchools.

Achievements



Arborus Consulting

Year joined the program: **2015**

Superpower: Re-located office to where employees can more easily walk/bike/take transit to work.

Achievements



Smarter Shift Inc.

Year joined the program: **2015**

Superpower: Producing an engaging and contemporary e-digest of energy & climate news for the community.

Achievements



Our Members



Your Credit Union Limited

Year joined the program: **2015**
Superpower: Became the first credit union in Canada to be 100% Bullfrog powered.



Our Members



The Ottawa Chamber of Commerce

Year joined the program: **2016**
Superpower: Partnered with **Carbon 613** to deliver a Cap & Trade seminar for Ottawa businesses.



The Canadian Museum of Nature

Year joined the program: **2016**



Hydro Ottawa

Year joined the program: **2016**



Lightenco

Year joined the program: **2016**
Superpower: Partnered with **Carbon 613** to share lighting expertise with the network at energy efficiency walk-through event.



CSV ARCHITECTS

CSV Architects

Year joined the program: **2016**



Our Members



City of Ottawa

Year joined the program: **2016**

Superpower: Installed anti-idling devices in the entire fleet of City of Ottawa ambulances.

Achievements



Our Members



Stratos Inc.

Year joined the program: **2016**

Superpower: Implemented a Green Procurement Policy.

Achievements



Medical Pharmacies Group Limited

Year joined the program: **2016**

Superpower: Piloted a paperless system to reduce the amount of paper and shredding that pharmacies generate.

Achievements



Morguard's Performance Court Building

Year joined the program: **2016**

Superpower: Improved environmental performance through capital projects.

Achievements



The Delphi Group

Year joined the program: **2016**

Superpower: Invested in a very high efficiency space and water heating system for the office.

Achievements



Banfield Agency

Year joined the program: **2016**

Superpower: Implemented changes in internal policies to decrease printing and paper consumption.

Achievements



Our Members



Angela's Bed & Breakfast Ottawa

Year joined the program: **2016**

Superpower: Became a car-free business.

Achievements



Catalyst Mind

Year joined the program: **2016**

Superpower: Completed home office retrofits including lighting and insulation which reduced energy use.

Achievements



Rimikon

Rimikon

Year joined the program: **2016**

Achievements



Member Awards

Sustainability Leadership (Trailblazer 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.

Your Credit Union

"Our commitment to the environment has a significant impact on our organization," says Your Credit Union. "It is something that staff rally behind and can support and it's something that differentiates us in our industry." Between energy efficiency upgrades to their buildings and hosting workshops for other **Carbon 613** members, Your Credit Union has shown an outstanding willingness to engage, improve and lead on sustainability issues.

Best Sustainability Project (Rocket Launch Award)

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

Delphi Group

Already tracking and offsetting their emissions, Delphi's owners decided to lead the way on the organization's next sustainability frontier. All three owners bought electric vehicles, which they happily plug into the newly-installed electric vehicle charging station at the office. It's an inspiring statement from corporate leadership and is certain to result in significant organizational carbon footprint reductions.

Rookie of the Year (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.

Lightenco

From the moment they joined the program, Lightenco has enthusiastically collaborated, shared and networked not only with their fellow **Carbon 613** member organizations, but with the entire Sustainability CoLab network. Now connected with CoLab programs in Kingston, Hamilton and across the province, Lightenco has been a great ambassador for **Carbon 613**, showcasing the best of Ottawa's enthusiasm for sustainability.

"As a business, it is important to us to make a difference that is bigger than our bottom line. It has always been a part of our culture to support causes and projects we believe in, and becoming a member of **Carbon 613** is in line with that core philosophy."

— Banfield

Hero Story: Banfield

Banfield decided to do something about all the paper in their office. Instead of opting for minor changes, the organization overhauled their entire work system, massively reducing their paper usage.

Big wish:

Install new leak-proof windows in their historic office building, conserving gas heating.

"Carbon 613 offered us a unique opportunity to both participate as property managers and engage our tenants in a target-based sustainability program. Target-setting across the board is a challenging endeavour and Carbon 613 is providing us with the tools and expertise necessary for success."
– Performance Court

Carbon 613 Climate Quest

Heroes seek out quests. They can't help it, it's just in their nature to take on a challenge, try to make a positive difference and look at a barrier and say, "oh yeah?"

We've got a network full of these heroes and they're ready to embark on the next quest.

50,000 tonnes of greenhouse gas saved is like planting a forest the size of Ottawa's downtown area. Reducing that much CO2 is a big, hairy, audacious goal, but we're going to do it anyway.

Climate change stopped being a scientific problem a long time ago. We already have all the energy efficiency ideas, behavioural best practices and low-emission technology we need to make a serious difference.

Carbon 613 members are taking action together. Will you be one of them?

To find out more about the Climate Quest at carbon613.ca



Hero Story: Morguard's Performance Court Building

Now at full occupancy, Morguard's Performance Court Building at 150 Elgin St. has been targeting their waste stream with a commercial composting program for tenants.



Catalyzers: are organizations which support Carbon 613 with a one-time financial investment ensuring the long-term viability of the program.

Ministry of the Environment and Climate Change (MOECC), TD Bank, Ottawa-Carleton District School Board, Hydro Ottawa, City of Ottawa

Collaborators: are 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.

Invest Ottawa, Better Buildings Breakfast, Ottawa Centre Eco-District, Ottawa Renewable Energy Co-op (OREC), Sustainable Eastern Ontario, Faith & the Common Good, Ecology Ottawa

Carbon 613 Advisory Council: are 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

We wouldn't be able to do our work without the help of our dedicated Carbon 613 volunteers!

Charlotte Britten, Greg Dong, Heather Semotiuk, Kathryn Beaton, Ronnie Safarov, Sam Likely, Vasundhara Saravade

"Sustainability is the future we want to be a part of. Carbon 613 is a target-based program we believe can improve our internal practices. Together we work to build the networks and protocols necessary to make Ottawa and Lightenco increasingly sustainable."
– Lightenco

Hero Story: Energy Efficiency Workshop

Carbon 613 members Lightenco, Arborus Consulting and Your Credit Union collaborated to improve the lighting efficiency in the Your Credit Union head office and then shared their expertise on office lighting and building energy efficiency for the rest of the Carbon 613 network.

stay connected

Learn more about what we do on our website:
carbon613.ca



envirocentre



@envirocentre @carbon613



envirocentre (Ottawa)

Call us: 613-656-0100

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