

envirocentre

**10 Steps to a
Low Carbon Workplace**

Let's Talk Green Economy Workshop Series

February 2020

**Hi, we're
happy to be
here with you!**



Who is EnviroCentre?

envirocentre
Bringing environmental change to life

Our work focuses on four main areas



**Green
Homes**



**Active
Transportation**



**Green
Lifestyles**

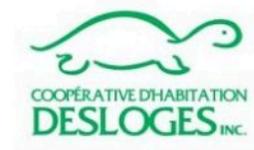


**Green
Business**

Carbon 613: EnviroCentre's program for businesses

Supporting Businesses to Achieve Their Sustainability Goals

- Membership-based
- Events, resources, discounts
- Carbon accounting, sustainability planning and business engagement tools
- Local network



Our goals today

- Increase your awareness on why reducing your carbon footprint is important
- Provide you with practical steps you can take, no matter what your business line is
- Provide you with information after the workshop to support next steps

Who is in the room?

Name of your company

Sector

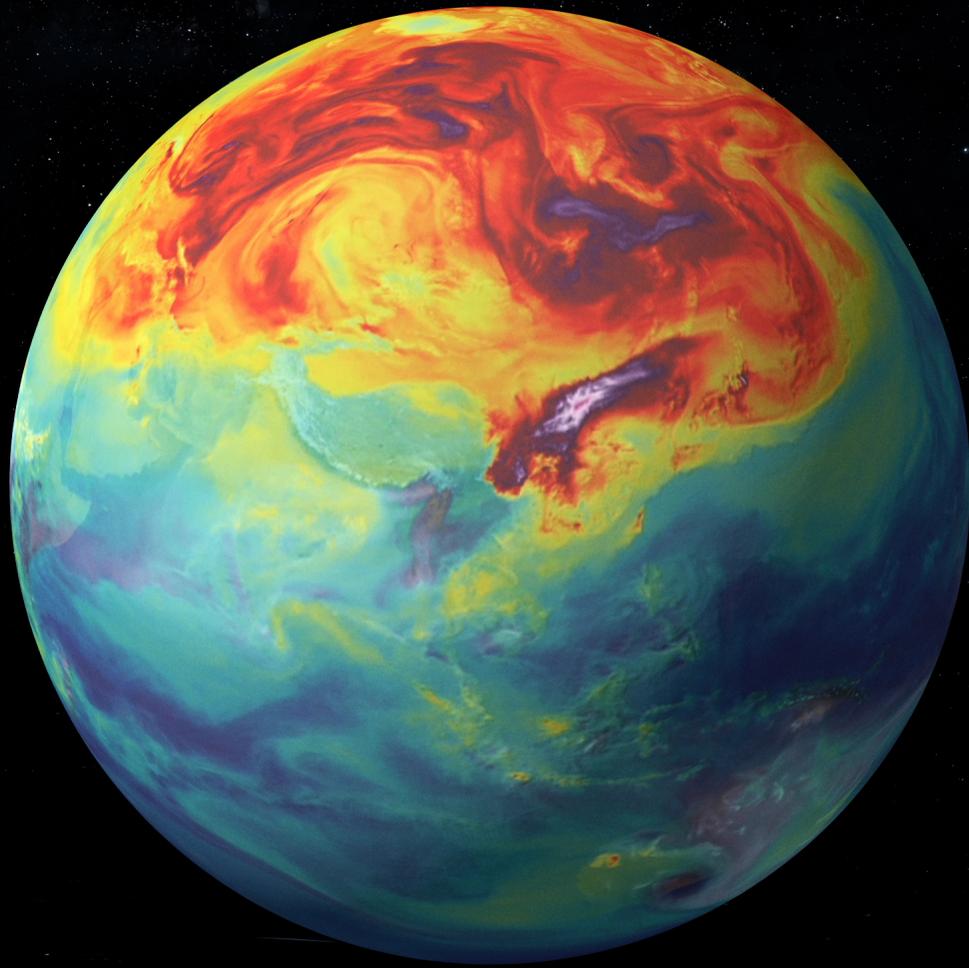
Sustainability goals/targets Y/N?

**Why should
you care?**









Global, federal & municipal targets

Global target – Paris Agreement:
Limit global warming to 1.5 degrees

Federal target is 30% below 2005
levels by 2030 and Net Zero by 2050

Municipal target is Net Zero by 2050



**Your carbon
footprint matters!**

20,000+ Businesses in Ottawa

Together, that has a huge impact

Each of you can make a difference!

Benefits





Co-benefits for your business

More efficient use of resources
means lower costs

Growing demand from customers
and employees for businesses to
take action on climate change

Leverage your action to enhance
your brand, differentiate and
attract business



10 Steps...

Step 1 Discovery





Where do your emissions come from?

Cooling/Heating

Electricity

Fleet Vehicles

Commuting

Heating water

Supply Chain

Carbon accounting



Free online tools

Customized Carbon Accounting Tool

Even Excel works!

Why would I measure my carbon footprint?

Carbon is the most important environmental impact to mitigate

Part of evaluating the overall health of your organization

Create an inventory of your emissions so you can track and report over time

Success Story

Company: AstenJohnson
Teron Road Plant in Kanata

- Comprehensive lighting retrofit
- 94 % reduction in electricity costs



Step 2 Commitment



Management buy-in

Moving from idea to action takes leadership support

Strategic or Business Plan

Set a goal or target in your company's strategic or annual business plan



**Public Statement:
vision, commitment, or
pledge**

Post your commitment on your website, on signage or anywhere that your customers/clients and staff will notice

Pinned Tweet



Microsoft On the Issues @MSFTIssues · Jan 16

Today, Microsoft announces its plan to be carbon negative by 2030.

"Today we are making the commitment that by 2030 Microsoft will be carbon-negative. Not just across our direct emissions, but across our supply chain too. We must take responsibility to address the carbon footprint of our own technology and company."

—Satya Nadella



32

617

1.5K



Siemens is leading the way: carbon neutral operations by 2030

"Committing to cutting our global carbon footprint is not only prudent – it's profitable." – Joe Kaeser, CEO Siemens AG

How Ikea plans to be climate positive by 2030

A company known for its disposable furniture seems like it would have a hard time quickly getting to a place where it reduces more greenhouse gas emissions than its entire value chain creates. But the company has a plan: radically rethinking how it designs its products.

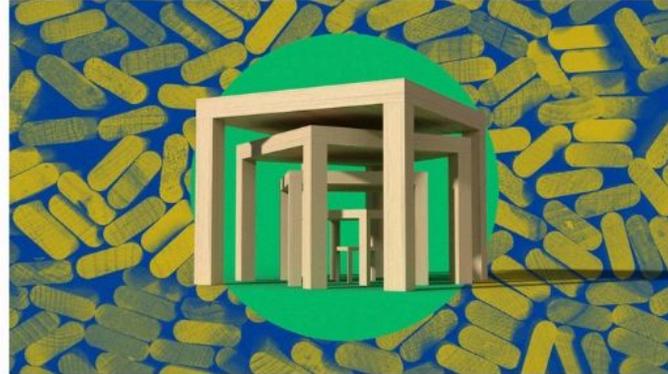


Illustration: FCI

Coca-cola: cutting carbon in factories, fridges and flavourings

Company is following through with its commitment to reduce the carbon footprint of its soft drinks by a third by 2020



Taco Bell says it will make all its packaging recyclable, compostable, or reusable by 2025

Your Cravings Box won't clog up a landfill anymore.



Michael McCain announces that Maple Leaf Foods is carbon neutral

Michael McCain, President and CEO, explains the importance of being the world's first major carbon neutral food company.

Angela's Bed & Breakfast

Opened in 2013, Angela's Bed & Breakfast is located in The Glebe neighbourhood in Ottawa. Owner Angela Keller-Herzog has invested heavily in the old family home, built in 1898, with the aim of making Angela's B&B the smallest carbon footprint B&B in Ottawa. Over the last six years she has continually invested in sustainability improvements to achieve that goal.

*Angela's Bed & Breakfast
- Ottawa -*

Industry: Accommodation and food services

Size: Small – 1 employee

Hub: Carbon 613

Location: Ottawa

OpenConcept Consulting

OpenConcept Consulting is an Ottawa-based team of web development consultants specializing in open-source development. Calling itself a “**not-only-for-profit**” company, OpenConcept was founded in 1999 by Mike Gifford because he saw an opportunity to create social change by starting his own business. Today, Mike’s belief that business can be used as a force for good is still entrenched in how OpenConcept operates and how it encourages other companies to do the same.

Sustainability Highlights



Using renewable energy for hydro and gas.



Replaced existing basement insulation and upgraded windows to increase energy efficiency.



Created a procurement policy that prioritized sustainable options.



Moved server infrastructure to green hosting.



Optimized website to reduce its CO2 footprint.



Industry: Professional, scientific and technical services

Size: Small – 6 employees

Hub: Carbon 613

Location: Ottawa



Carbon⁶¹³
by **envirocentre**

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 18,000 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.**



Step 3 Engagement



Create culture of sustainability

Establish a sustainability committee

Get input from various perspectives/departments

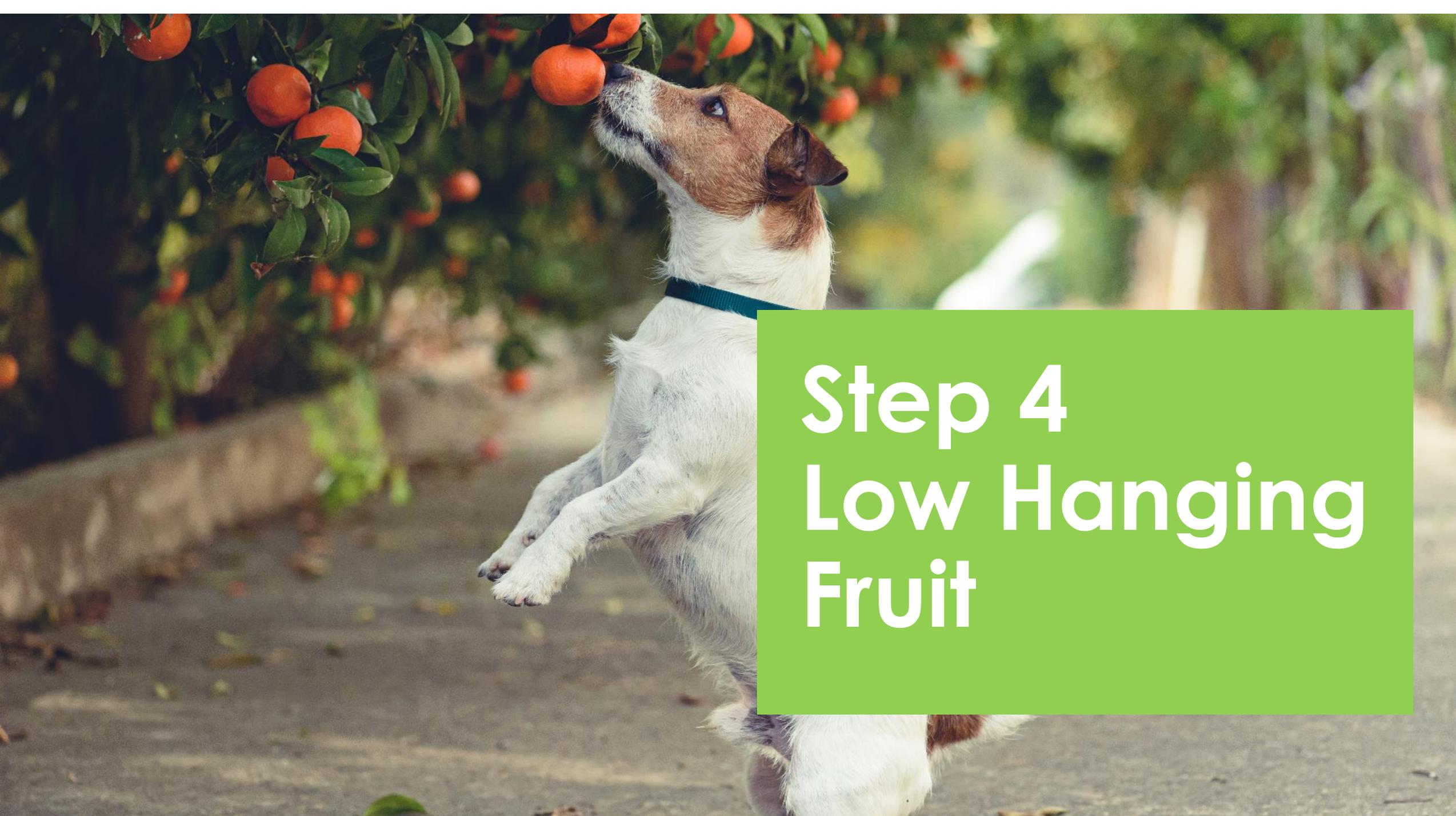
Listen to employee needs and interest

Report on activities and impacts

Changing systems and processes
can take time

Report on activities, benefits and
the positive impacts

Incentives, challenges and
rewards can go a long way



Step 4 Low Hanging Fruit

Quick wins build momentum

Quick wins may not have the biggest impact but can be an engagement tool.

Equipment lifecycle



What needs replacing
now/soon?

What are the greenest options?

Conduct an Energy Audit

Identifies key opportunities

Helps plan and prioritize retrofit options

Step 5 Automation



Lights, water, heating



Sensors

Automated lighting systems

Centrally controlled
heating/cooling



Step 6 Commuting

Commuting options for employees

Think beyond the car

Incentivize multiple modes

Commuting or Transportation
Policy

**Service all modes,
not just cars**



Bike Parking

Transit information

Carpooling -
ottawaridematch.com



Step 7 Corporate Transportation



Your fleet

Maintain tire pressure

Efficient driving skills

Electric Vehicles

Business travel

Limit/avoid air travel

Use phone and video conferencing

Green Key Hotels



Step 8 Offsets

Offsets for your basic operations

Offset your electricity locally

Purchase offsets when travelling



Choosing your offsets

Accredited offsets

Don't let offsets offset your focus

Step 9 Reduce Waste





Waste audit

Paid or done internally

Conduct at regular intervals to measure change

Set a target

E-waste & the circular economy

Dispose of E-Waste properly

Buy second hand

Sell or give before throwing it out



Step 10 Green Your Supply Chain

**Set a goal, then look at
your supply chain**

Products

Services



The 10 Steps in a nutshell

10 Steps to a Low Carbon Workplace

1. Discovery
2. Commitment
3. Engagement
4. Low Hanging Fruit
5. Automation
6. Commuting
7. Corporate Transportation
8. Offsets
9. Waste
10. Supply Chain

Thank You!



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