

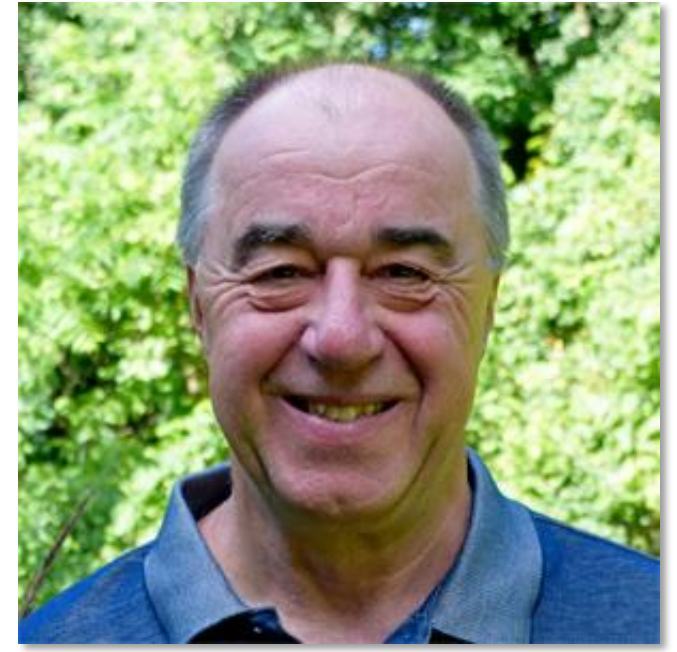
Speakers



Kyle Mennie
Director of Operations
Windfall Ecology Centre



Nayel Halim
Policy Advisor,
Sustainability
Durham Region



Harry French
Program Manager,
ClimateWise Business Network
Windfall Ecology Centre



Windfall ecology centre

a non-profit social enterprise,
working towards healthy,
sustainable communities.

since 1998

windfallcentre.ca



**Broader Public Sector
Benchmarking Opportunities**

Thinking Globally... Acting Locally...



RENEWABLE ENERGY



HOME ENERGY RETROFITS



STORMWATER RUNOFF



TRANSPORTATION



COMMUNITY ENGAGEMENT



POLICY INITIATIVES



BUSINESS INITIATIVES



INTERNATIONAL

AGENDA

**BPS Data Visualization
Walkthrough**

**Durham Greener
Buildings Program
Overview**

Questions

Broader Public Sector (BPS) Data Visualization

- Underlying data is publicly available from the Ministry of Energy, through the mandatory energy reporting of BPS buildings under [O. Reg. 507/18](#)
- Contains all Ontario BPS data from 2011 to present
- Designed while balancing simplicity and depth



Data Visualization Demo

Follow along:

windfallcentre.ca/data-tools/broader-public-sector-buildings/

Limitations of current visual

- Due to lack of data entry restrictions, many errors can be found in the dataset
- Only provided annual energy use data
- Transition to Portfolio Manager expected to improve some of these issues



Questions?

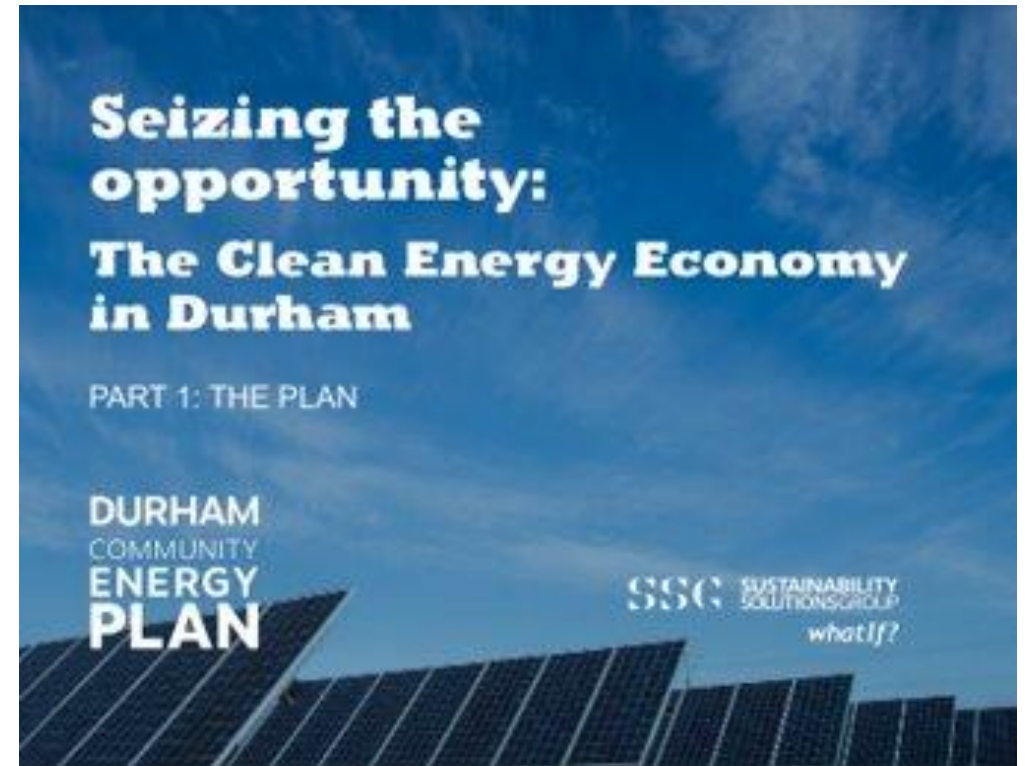


Durham Greener Buildings Program

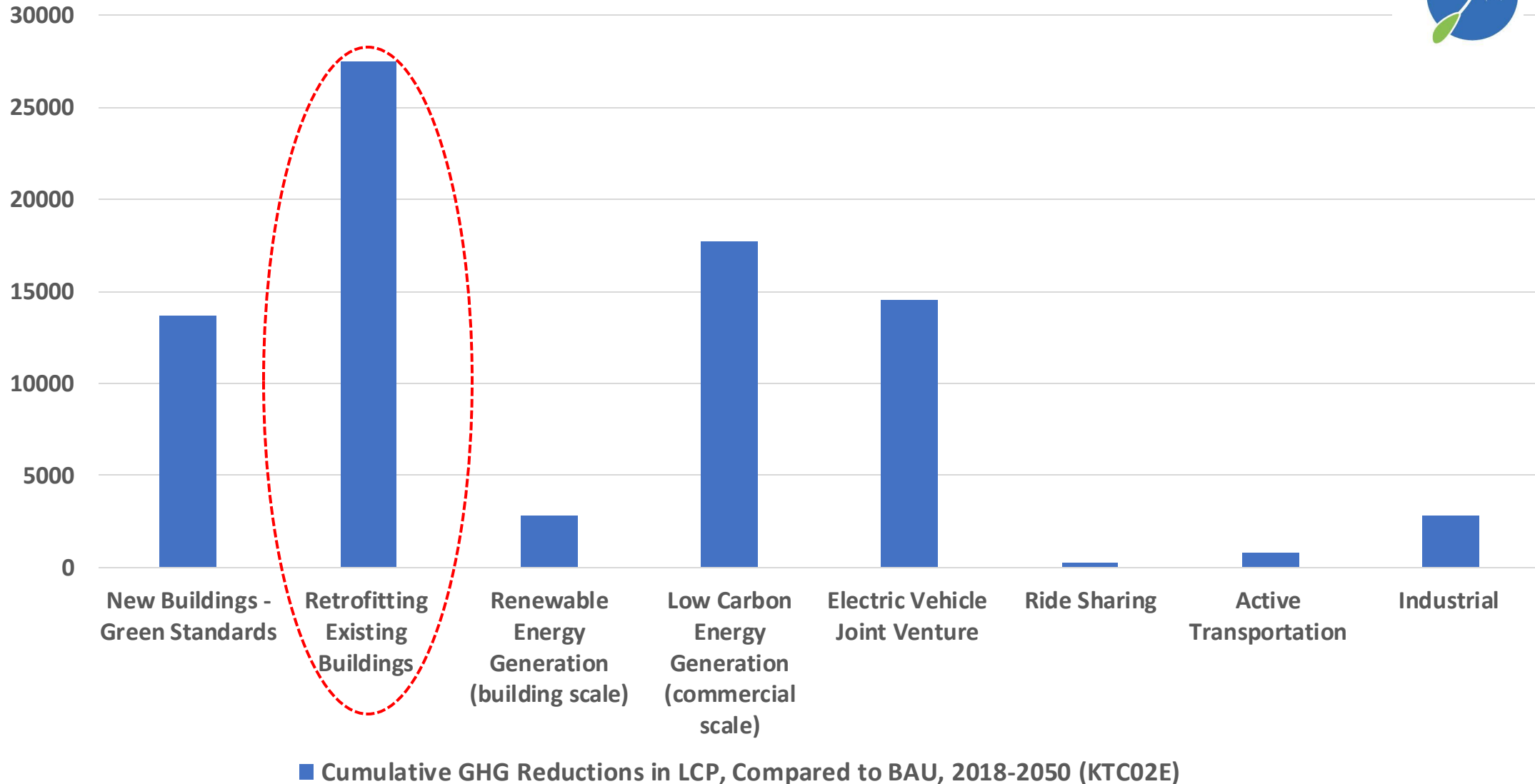


The context - Durham's commitment to climate action

- Regional Council declared a climate emergency in January 2020
- Durham Community Energy Plan – strategy to reduce GHG emissions & seize economic opportunities related to the clean energy transition.
- Presents low carbon pathway up to 2050.



Durham's Low Carbon Pathway – Key Strategies



Key Drivers & Objectives

- Achieving emission reduction targets by 2050 requires retrofitting nearly all buildings & homes across the Region.
- Durham Greener Homes Program launched in April 2022 to enable homeowners to retrofit their homes via home energy coach service – focused on Part 9
- Additionally, Regional Council approved two strategic priorities to address commercial and institutional buildings



Regional Council approved Two Strategic Priorities – Environmental Sustainability



1. Launch a building labelling and disclosure (benchmarking) program to support voluntary energy use reporting, increase awareness and create demand for energy efficiency improvements.
2. Create a peer-to-peer business network modelled on the ClimateWise Business Network currently operating in York Region.
 - Partner with the Windfall Ecology Centre to implement these initiatives over the next three years.
 - Help prepare industry for looming benchmarking/ climate policies – **we want to help you succeed!**

Benchmarking Objectives and Targets



- **Increase compliance** with the Province of Ontario's EWRB program, especially as it expands to cover buildings 50,000 to 100,000 square feet in size.
- **Encourage voluntary benchmarking** and reporting for buildings under 50,000 square feet.
 - Start with the **end in mind**: plan to disclose energy data on municipally-owned buildings first to demonstrate leadership.

Target EWRB Compliance Rate: **60-70%**

- In 2021, only **31%** of covered buildings in Durham reported to EWRB.

What is the program is aiming to do?

Owner	Buildings required to report to the EWRB as of July 1, 2023	Compliance Rate	Buildings not required to the EWRB	BPS Buildings	Buildings Reporting to Durham's Program
	50,000 SF +		20-50,000 SF	Public Sector	
Total / Max No. Buildings	663	-	692	683	2,038
2021 (Actual)	86	31% <i>Based on buildings 100,000 SF +</i>	-	-	N/A
Approach	Increase compliance especially as the requirements expands to building over 50,000 SF		Encourage voluntary benchmarking	Get BPS buildings to report to Durham's Program to demonstrate leadership	
Year 1 Targets	150 - 200	20 - 30%	0 - 50	300 - 400*	450 - 650
Year 2 Targets	350 - 400	50 - 60%	50 - 100	400 - 500*	800 - 1,000
Year 3 Targets	400 - 450	60 - 70%	100 - 150	500 - 600*	1,000 - 1,200


 Voluntary Participation



Deep retrofit incentives and support

- **Federal Government's Deep Retrofit Accelerator Initiative (DRAI)** - opportunity to leverage funding to enable program enhancements and mobilize deep energy building retrofits.
- Federal Government investing \$200 million between 2023-2027 for this initiative.
- Application submitted by WEC in partnership with the Region of Durham

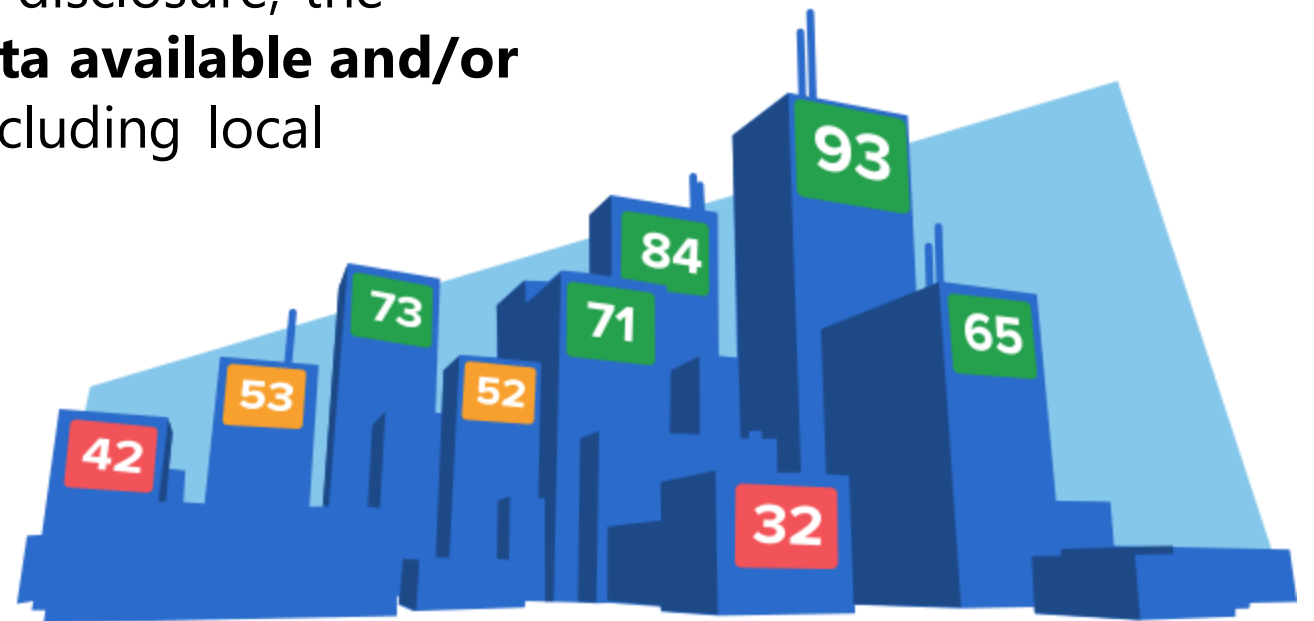
CIB  BIC

Canada
Infrastructure
Bank



What is building energy benchmarking?

- Those on the call understand the value of benchmarking and the current landscape in Ontario.
- Energy benchmarking is the process of **measuring and tracking a building's energy performance over time** and comparing the data with peers.
- Benchmarking programs often include disclosure, the process **of making benchmarking data available and/or visible to a range of stakeholders**, including local governments, peers, and the public.





Durham Greener Buildings – features



Regional-wide **community building challenge** for commercial and municipal buildings



Support for building owners through the **Ontario Benchmarking Help Centre**



Annual recognition of achievements in taking action on climate change



Peer to peer **business network**. ClimateWise Business Network



Municipal buildings **leading the way**



Capacity building tools

Build on Success – ClimateWise



If we all work together, we can meet this challenge...

So join the ClimateWise Challenge and let's get started !



[▶ Join the Challenge](#)

Comprehensive Market Characterization



4. Durham's Building Market

TARGET MARKETS - INDUSTRIAL

Type of Building

- Warehouses used for manufacturing, distribution and logistics

Ownership and Management

- Usually single owner (an individual or company)
- In some cases, may have multiple owners (individuals and/or companies), i.e. strata units with different owners
- Building/units may be owner-occupied or leased
- Building/units may be managed by a third-party property management company

Typical Priorities

- Competition from other building owners with leasable area
- Functionality of quality of space



How will the program work?

The current process for reporting to the EWRB program

Request an EWRB ID

Collect building information including:
Gross floor area
Energy and water usage
Building use information

Create account with ENERGY STAR Portfolio Manager and upload building data

Complete **Data Verification** if required*

Submit Data to the EWRB by responding to a Data Request from the Province

Proposed interaction with Durham's program

No Extra Work Required

Sign up for Durham's Benchmarking Program

Receive **additional support and incentives** for reporting to the EWRB

Submit Data to Durham by responding to a Data Request from Durham

*If the building is 100,000 square feet or larger, reported data must be verified by a certified professional the first year you report, then every five years.

Ontario Benchmarking Help Centre



- Offers "free" help for Energy Star Portfolio Manager (ESPM) technical questions for buildings in Durham Region
- Assist participants to upload energy data to ESPM

2 Help with Portfolio Manager



ENERGY STAR®
Portfolio Manager™

Need a little help with Portfolio Manager?

Don't worry. The Ontario Benchmarking Help Centre offers free help for your Portfolio Manager questions.

▶ benchmarkinghelp.ca



Book a **FREE** phone or web-meeting consultation with a benchmarking specialist:

▶ benchmarkinghelp.ca/consultation



3 Need more help? Contact us





ESPM Video Tutorials

Video Tutorial

EWRB ENERGY AND WATER REPORTING AND BENCHMARKING
ENERGY STAR®
Portfolio Manager™

Step 1
How to obtain an EWRB ID

Watch »

Video Tutorial

EWRB ENERGY AND WATER REPORTING AND BENCHMARKING
ENERGY STAR®
Portfolio Manager™

Step 2
Create an Energy Star Portfolio Manager account and collect your property data

Watch »

Video Tutorial

EWRB ENERGY AND WATER REPORTING AND BENCHMARKING
ENERGY STAR®
Portfolio Manager™

Step 3A
Add a property

Watch »

Video Tutorial

EWRB ENERGY AND WATER REPORTING AND BENCHMARKING
ENERGY STAR®
Portfolio Manager™

Step 3B
Add energy and water meters

Watch »

Video Tutorial

EWRB ENERGY AND WATER REPORTING AND BENCHMARKING
ENERGY STAR®
Portfolio Manager™

Step 3C
Add consumption data for each meter

Watch »

Video Tutorial

EWRB ENERGY AND WATER REPORTING AND BENCHMARKING
ENERGY STAR®
Portfolio Manager™

Step 3D
Troubleshooting data entry issues

Watch »

Helping business to participate and succeed.

- ❑ Conduct educational webinars and workshops
- ❑ Engage with anchor tenants to access their influence
- ❑ Direct reach out to building owners
- ❑ Case studies and study tours
- ❑ Demonstrate municipal leadership by enrolling municipal buildings
- ❑ Engage with peers to share experiences and lessons learned through peer-to-peer membership based business network
- ❑ Prepare building owners/businesses for upcoming incentive programs for deep retrofit



Begins with a Building Challenge



Get Email Updates

Join the Challenge

Visit ClimateWise Business Network

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About

Participants

Webinars

Resources

FAQ's

News

Join

Contact

Building Owners, Managers, Tenants – Taking Action on Climate Change

Reducing Building Emissions

The ClimateWise Building Challenge is a friendly competition between York Region buildings – leading the way on climate action by reducing their building's emissions.

The most inspiring reduction achievers are celebrated each year at the York Region Sustainability Awards and BOMA CREST awards.

Did you know...
Buildings account for 45% of greenhouse gas emissions across York Region!

But even just benchmarking can unlock significant energy, emissions, and cost reductions... especially in older buildings



OVER **154** YORK REGION BUILDINGS HAVE JOINED THE CHALLENGE

- Friendly competition by building type
- Modelled on EPA Battle of the Buildings - "Biggest Loser"



Recognition





Highlighting Climate Action Achievers



Top Ranked Municipal Building Showcased



Municipal Leadership – 300 Municipal Buildings



Municipality	Ajax	Brock	Clarington	Oshawa	Pickering	Scugog	Uxbridge	Whitby
# of Buildings Reported	35	35	38	56	32	29	32	39
# of Property Types Reported	12	11	12	12	13	11	12	14

According to *Ontario's Database for 2020 BPS Energy Use and GHG Emission Reporting*, these are the current Durham Region buildings being reported to the Ministry of Energy through **Energy Star Portfolio Manager**.





Build a peer-to-peer business network

We will launch a business network in Durham Region modelled on the successful ClimateWise Business Network

The ClimateWise Business Network is a program for local organizations where all participants receive one-on-one support and guidance in setting environmental targets and seeing the returns of investing in sustainability.

ClimateWise helps you figure out how going green can benefit your facility, how to make it work for your team, and where you should start, learning from coaches and businesses in the network just like yours.





Business made better, together.



● National (Rest of Canada)

📍 Calgary

📍 Edmonton

📍 Hamilton et Burlington

📍 New Brunswick

📍 London

📍 Peterborough

📍 Sudbury

📍 Region of Waterloo

📍 York Region



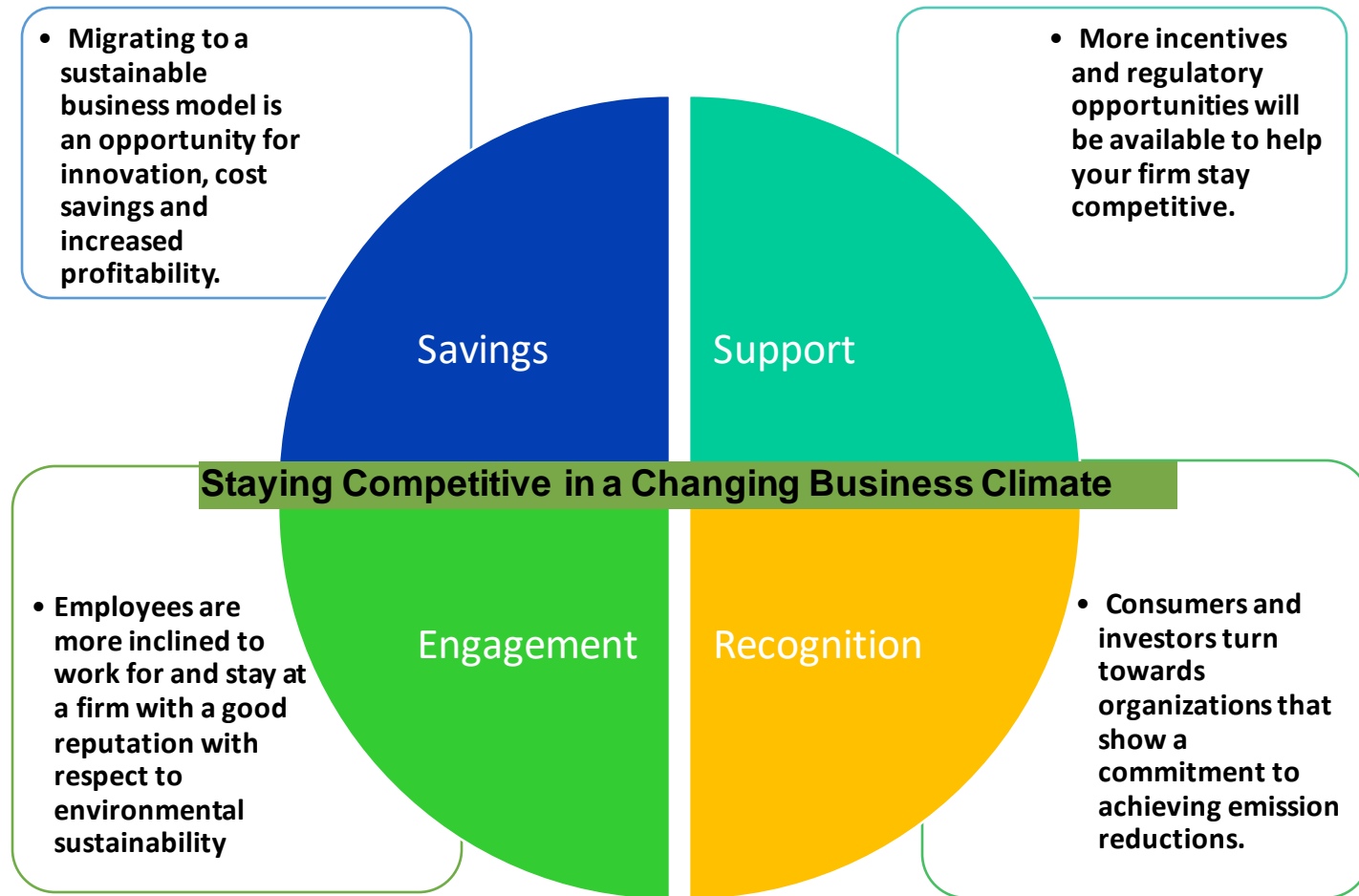
500+
Green Economy
Leaders



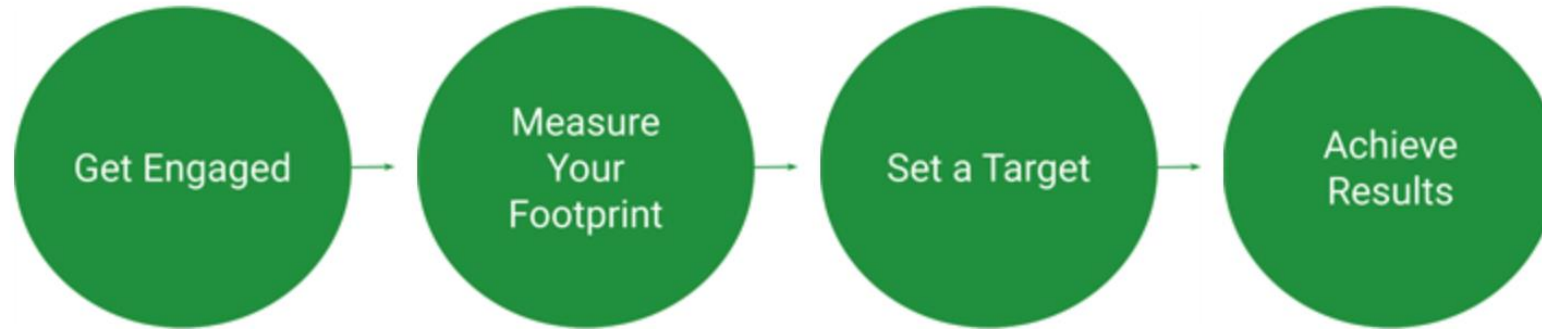
200,000+
Tonnes of GHGs
Reduced



ClimateWise Member Benefits



Member Journey for Green Leaders



GHG Inventory & Progress Reports

Tailored 1:1 Support

Peer Learning & Networking

Funding and Policy Updates

Workshops, Tools & Resources

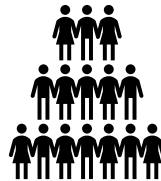
Public Recognition

Summary



Desired outcomes

- Equip local business and buildings to be ready for deep retrofit projects.
- Create scalable and transferable tools and processes.
- Build a cross disciplinary responsibility for taking action on climate change.
- Meet our metrics.



Challenges

- Complexity of the commercial real estate business
- Resistance to data sharing
- Engaging the businesses/tenants in the buildings to action.
- Urgency to participate is "minimal"



Together, we're demonstrating a more sustainable economy is possible.
Build community momentum for action



Windfall

ecology centre

a non-profit social enterprise,
working towards healthy,
sustainable communities.

since 1998

windfallcentre.ca

