



10 Actions for Climate

Presentation to Barrie City Council April 26, 2021

Andee Pelan, Executive Director



Who is Living Green Barrie?



- Formerly called Environmental Action Barrie (EAB) incorporated in 1991
- For 30 years we have been creating innovative environmental programs making Barrie a greener city
- Currently we are run by 2 staff and a 9-member Board of Directors
- Have a large volunteer network and have a growing social media presence



How are we funded?

- Sponsorships for Programs and Events
- Fundraising and donations
- Project-specific grants



 **Let's Change
Ontario's Future**

TOGETHER

Let's fight Climate change like our lives depend on it, because they do. Trees clean the air and water and help us to be resilient to the effects of climate change.

This is NOT a time to CUT, this is a time to GROW.
Help Living Green grow our tree planting program.
10,000 TREES FOR BARRIE
Please consider donating today!

Tax receipts for donations over \$20 can be issued upon request

Thank you 

[WWW.LIVINGGREENBARRIE.COM/DONATE/P](http://www.livinggreenbarrie.com/donate/p)

HOLIDAY TREE FUNDRAISER 

PROCEEDS GO TOWARDS PLANTING 10,000 TREES IN BARRIE
PICK-UP DEC. 5TH & 6TH | 10-5
Georgian Mall Parking Lot off Bayfield St.

LIVE, POTTED HOLIDAY TREES: \$30
-Perfect porch decor, table-top tree, or teacher gift!
-Native white spruce, plant in your yard next spring, or plant with us at our spring tree plantings.
-Bring indoors Dec. 21st for 5-7 days!

 **CUT X-MAS TREES: \$50**
-Native white spruce
-6-7' tall

PRE-ORDER TODAY:
LIVINGGREENBARRIE.COM

GIVE THE GIFT OF TREES: \$25+
-Charitable tax receipt with donation
\$25= 1 tree planted in Barrie
-Send a certificate recognizing this gift!
-Free ornament with \$25+ donation at tree lot while supplies last!



 Please wear a mask, practice social distancing & handwashing 

Programs: Tree Planting

We plant trees. We advocate for trees.

STRATEGIC GOAL: To plant 10,000 native trees in Barrie.



Developing a suite of tree planting programs for public and private lands.

10,000 Trees for Barrie Campaign.



Programs: FruitShare

We planted and harvested fruit trees to help increase food security here in Barrie.



Planted “Food Forests”

- 10 local schools
- BNFC
- 3 Barrie Community Housing sites
- 3 Public Parks

Ran the FruitShare Program

- Donated fruit to social service agencies



Programs: GreenScreen

We are Barrie's resource for environmental information.

STRATEGIC GOAL: To educate and network by offering monthly events



Educate. Inspire. Connect.

Join Barrie's Green Community

---Showing environmental documentaries and hosting knowledgeable speakers to inform, educate, and engage Barrie and surrounding area residents---



--GREENSCREEN FILM:
METAMORPHOSIS--

BYO BOWL 

--GUEST SPEAKER:
MICHAEL SPEERS,
THE LEAP BARRIE--

TOMORROW NIGHT @ 7PM

CLIMATE ACTION EVENT



FUNGUS AMONG US:
A GUIDED MUSHROOM HIKE

OCTOBER, 2019



FUN OPPORTUNITY FOR YOU!

ONLINE TRIVIA NIGHT

This Thursday January 28th, join **Living Green Barrie** in their Online Trivia Night! Prizes are available to be won!



HARVEST THE RAIN

INTRODUCTION TO RAIN GARDENS
AND RAIN BARRELS

LivingGreen
Barrie

Education into Action: The Plan



- Annual plan building on the work of previous years
- Each action will be associated with an assigned month
- Actions will be behaviour-based and easy
- Monthly actions will include at least one thematic public event
- Articles written for local publications
- Social media and blog posts
- Local partners identified and supported
- Integrate monthly actions into other organizations' plans (e.g. SCDSB, City of Barrie, private sector)



*We are past climate denial ; we don't need to ask whether climate change is happening – or whether humans are causing it. Instead, we need to ask: **“what can we do?”***



#1



LivingGreen Barrie

FEBRUARY 2021

LIVING GREEN EVENT:
GreenScreen Movie :
2040

FIGHT “CLIMATE DESPAIR”

Avoid feelings of apathy and hopelessness and turn to individual and collective action.

Fear-based messaging can backfire if people don't feel that they have agency or control over the situation

- Make small, everyday choices to reduce your carbon emissions
- Be the change you want to see, lead by example
- Search: “Reasons for Hope on Climate Change”
- Be cautious with our messaging (particularly with children)



From the director of THAT SUGAR FILM
DAMON GAMEAU



“A compelling vision... let yourself be inspired”
CHRISTIANA FIGUERES, LEAD NEGOTIATOR, PARIS CLIMATE AGREEMENT

2040

Join the REGENERATION



Sponsored by





#2



LivingGreen
Barrie

MARCH 2021

LIVING GREEN EVENT:
Intro to Green Investing
Webinar

VOTE WITH YOUR \$

Where you invest your money can either help or hinder

With costs dropping every day, renewable energy is the best choice for the environment and the economy.

- Watch Living Green’s Webinar (posted on website)
- Purchase green power from energy retailers (Bullfrog Power, Direct Energy and Ontario Power Generation).



LIVING GREEN BARRIE PRESENTS



INTRODUCTION TO GREEN INVESTING

Align your values with your investments.

Presented by Jackie Ramler, MBA, CFP®, RIA, CIM®, FCSI™, FMA



What is ESG? Can your investments do good and make money? These questions and more will be addressed by Jackie Ramler, of Raymond James Executive Wealth Advisors and valued board member of Living Green Barrie.

**THURSDAY, MARCH 25TH @ 7pm
REGISTER TODAY TO SAVE YOUR SPOT!**



#3



Living Green Barrie

APRIL 2021

LIVING GREEN EVENT:

Harvest the Rain Webinar/Trashformation Challenge

TAKE RESPONSIBILITY FOR OUR STUFF.

A *ZERO* waste lifestyle is difficult for most, but *LOW* waste is possible.

The more stuff we buy, the more energy it takes to make new stuff.

- Reduce food waste
- Promote backyard composting
- Avoid plastics and overpackaged items
- Get into the free-cycling and sharing economy
- Go beyond RECYCLE – Reduce, Reuse, Refuse, Repair, Regift, Recover, Repurpose

FOOD WASTE IN CANADA

THE FACTS

58% of food produced in Canada is lost or wasted each year.

35.5 MILLION TONNES of food produced in Canada is lost or wasted each year.

32% of this, amounting to **11.2 MILLION TONNES** could be rescued to support communities across Canada.

This is equivalent to the weight of almost **95 CN TOWERS**

The average Canadian household spends **\$1,766** on food that is wasted every year.

Food waste costs Canada's economy more than **\$49 BILLION** each year.

Each year, food waste in Canada creates about **56.6 MILLION TONNES** of carbon dioxide-equivalent emissions.

Organics wasted in a landfill produce methane gas which is **25 TIMES** more damaging to the environment than carbon dioxide.

Source: The Avoidable Crisis of Food Waste (2019) Roadmap; Second Harvest and Value Chain Management International

#WasteReductionWeek



WRWCanada.com



COMPOSTING DECREASES THE GREENHOUSE GAS, METHANE



Composting = recycling organic, decomposable, biodegradable waste into nutrient-rich fertilizer for our crops.

- + aerobic nature of composting produces very little methane
- + composting decreases the amount of trash that goes into landfills
- + composting decreases methane emissions

Methane is a greenhouse gas that is, over the course of 20 years, **72 times more potent than CO₂**

- What are some everyday items that can be composted?
- + Vegetable, fruit scraps
 - + Leaves, grass
 - + Shredded paper
 - + Paper towels
 - + Eggshells
 - + Coffee grounds, filters
 - + Bread, grains, pasta
 - + Tea bags



#4



LivingGreen
Barrie

MAY 2021

LIVING GREEN EVENT:

Various Small
“Invitational” Tree
Plantings

COMMUNITY TREE PLANTINGS

A tree can absorb up to 150kg of CO₂/year, sequester carbon and mitigate climate change.

Trees produce Oxygen and large urban trees filter air pollution.

- Join a Community Tree Planting Event ... (well, maybe next year!)
- Donate to the *10000 Trees for Barrie* Campaign
- Spend time in nature to keep healthy and ready for the fight!



Neighbourhood Tree Stewards

- Pilot program to have numerous smaller tree planting events across the city
- Focus on tree education, survival and community tree tenders



#5



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Barrie

JUNE 2021

LIVING GREEN EVENT:
GreenScreen Movie &
Promo of Local Org's

VOTE, LOBBY, PROTEST, LEARN & SHARE

Urge all levels of government to take bold, ambitious climate action now

Be alarmed. Be concerned. Then be empowered to act.

- Write letters to elected officials; use personal stories
- Start a conversation; even if it's uncomfortable.
- Don't underestimate the power of one person to change things
- Follow the youth.
- Be a climate voter.





#6



LivingGreen
Barrie

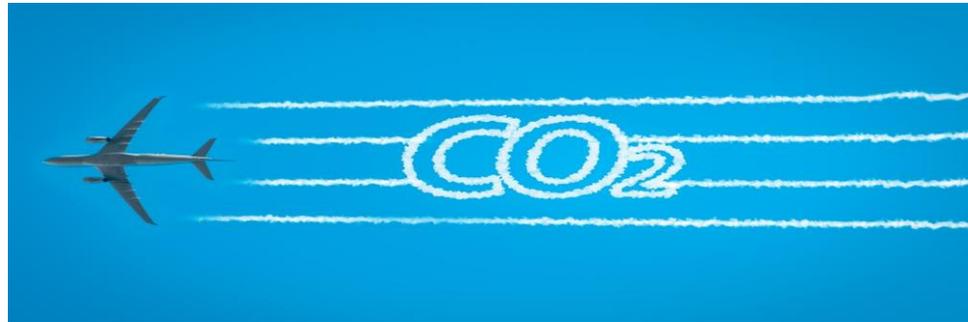
JULY 2021

LIVING GREEN EVENT:
Electric Vehicle
Demonstration

DRIVE LESS, FLY LESS. MAKE THE SWITCH.

A shift to active transportation is fundamental to an overall strategy to combat climate change.

55% of Barrie's GHG are emitted by private vehicles (Community Energy & Greenhouse Gas Reduction Plan)

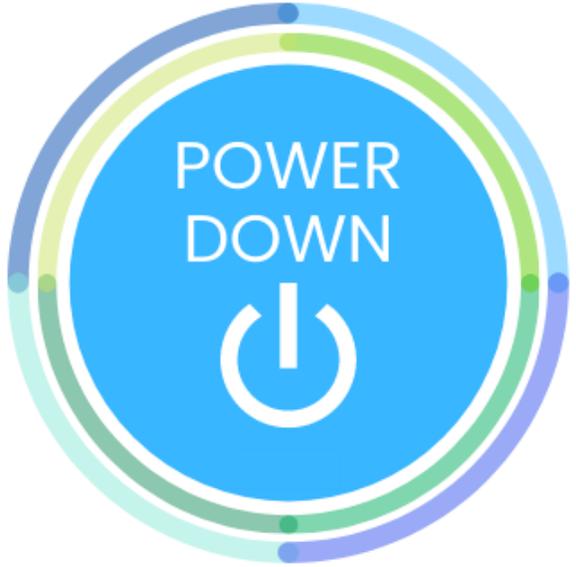


- Less single occupancy cars (car-shares, carpool, etc.)
- Work from home options
- Fly less (but if you do, offset emissions)
- Bike, walk and use public transit
- "My next vehicle will be electric"





#7



LivingGreen Barrie

AUGUST 2021

LIVING GREEN EVENT:

Virtual Sustainable Homes Tour

BE ENERGY EFFICIENT.

Canada is the top per-capita energy consumer in the world!

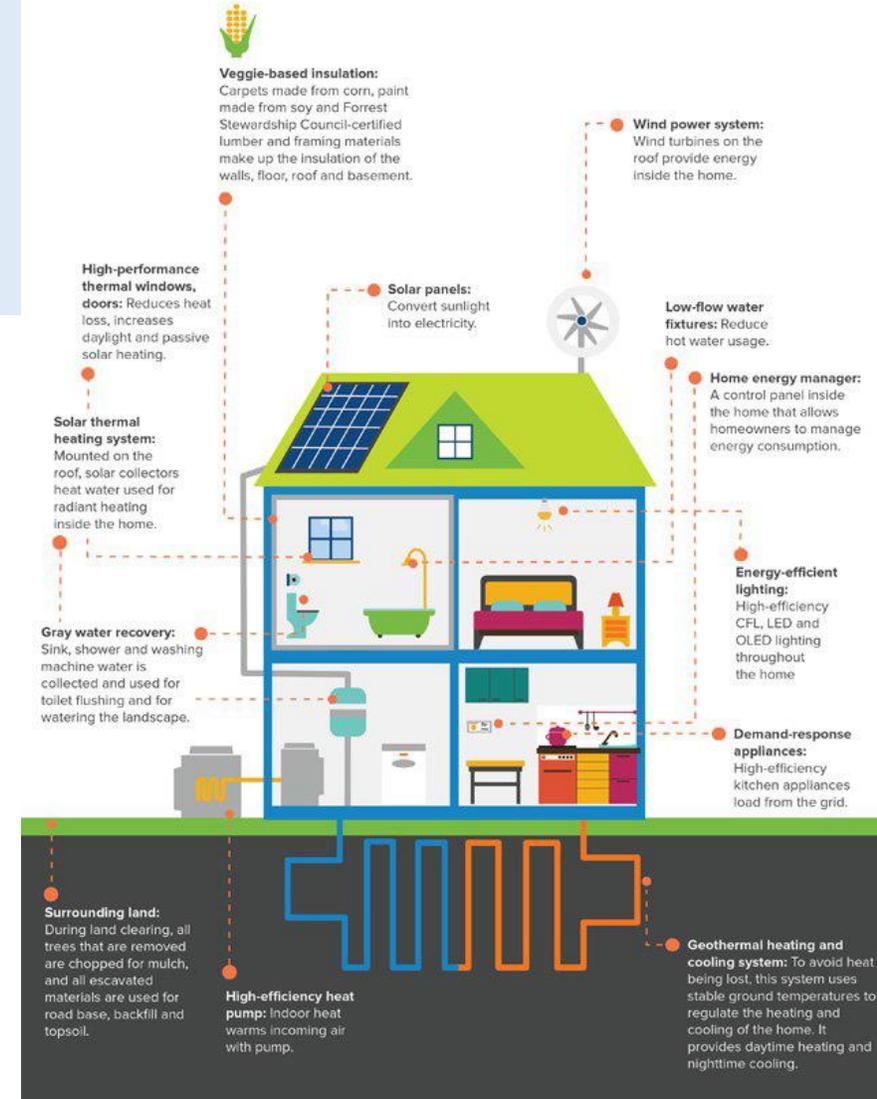
Residential Buildings in Barrie are the 2nd highest emitter of GHG at ~27% (Community Energy & Greenhouse Gas Reduction Plan)

Digital waste – 3.7% of GG emissions



- Appliance efficiencies
- Seal & insulate (hot and cold)
- Unplug, program & adjust settings
- Home energy audits
- Ways to reduce your digital footprint

INSIDE THE NET-ZERO HOME





#8



LivingGreen
Barrie

SEPT 2021

LIVING GREEN EVENT:
FruitShare Blitz & Plant-
Based Cooking

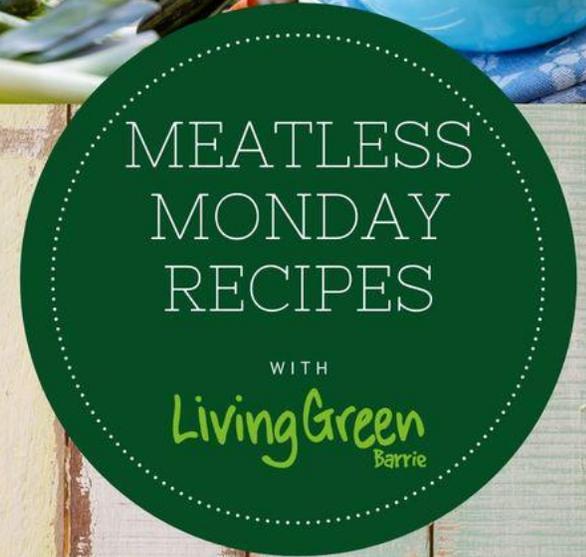
EAT FOR THE CLIMATE

Some dietary choices require more land and water and cause more emissions of heat-trapping gases than others.

By reducing your consumption of animal protein by half, you can cut your diet's carbon footprint by more than 40%



- Eat locally produced food
- Ask for more locally produced food from restaurants and suppliers
- Enjoy MORE plant-based meals
- Share food from gardens





#9

PLANT
MORE TREES



Living Green
Barrie

OCT 2021

LIVING GREEN EVENT:
Halloween Planting Event

EVEN MORE TREES?! Yes.

Strategic planting of trees near buildings can cool the air by between 2 and 8 degrees which may reduce energy.

- Urban Trees: Plant the right species of tree in the right location, the right way.
- Residential Program Pilot project



Why Trees Are So Cool

Experts say trees should be considered urban infrastructure, every bit as important and useful as sewage, drinking water and transportation systems. They are an important tool for cities to reduce urban heat island effects. Here are a few ways trees benefit our urban environments:

- By intercepting and absorbing rain, they reduce stormwater runoff.
- They absorb and store carbon dioxide.
- In a process known as **evapotranspiration**, trees take up water from the ground and release it through the surface of their leaves, cooling the surrounding air.
- By creating shade for buildings, they can reduce energy demand, which also reduces waste heat from air conditioners.
- They can help clean the air by taking in air pollutants.
- They block sunlight, helping to keep the ground below cool.

SOURCES: EPA; North Carolina State University; U.S. Forest Service PAUL HORN / InsideClimate News



#10



LivingGreen
Barrie

NOV 2021

LIVING GREEN EVENT:
"Green" Friday Webinar

THINK QUALITY, NOT QUANTITY

Buying less is better than buying 'green' - for the planet and your happiness.

The clothing sector represents around 3% of the world's global production emissions of CO2



- Promote local businesses offering experiences and quality products
- Ideas for green gifting alternatives
- Repair hacks
- Promotion of "free" living
- Reconsider *fast fashion*
- Buy less plastic





#1 BE HOPEFUL

#2 INVEST IN GREEN

#3 REDUCE WASTE

#4 PLANT TREES

#5 ENGAGE

#6 TREAD LIGHTLY

#7 POWER DOWN

#8 EAT MORE PLANTS

#9 PLANT EVEN MORE TREES

#10 BUY LESS STUFF



Summary

- Living Green Barrie has been serving the City of Barrie for 30 years
- May be an “under-utilized” resource:
 - Lean and efficient organization able to apply creative solutions quickly
 - Credible, with proven results
 - Large volunteer network looking for opportunities to help
 - Tapped-in to expertise of the City’s green community
 - Registered charitable status
- Wish to partner with the city on Community Engagement initiatives that help meet goals in the CCAS
- We are limited in our capacity and need to find new ways of building a sustainable funding model.

These Top 10 Actions will make up our monthly themes for articles and events and will be repeated annually.



Thank You.

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