



Council Meeting Agenda

Monday, June 28, 2021

Closed Council Meeting

4:30 P.M.

Regular Council Meeting

Virtual

7:00 P.M.

This meeting is open to the public and is available through an online platform. Please subscribe to the [Township of Wilmot You Tube Channel](#) to watch the live stream or view after the meeting.

Delegations must register with the [Information and Legislative Services Department](#). The only matters being discussed at this meeting will be those on the Agenda.

1. MOTION TO CONVENE INTO CLOSED SESSION

RECOMMENDATION

THAT a Closed Meeting of Council be held on Monday, June 28, 2021 at 4:30 p.m. in accordance with Section 239 (2):

- c) proposed or pending acquisition of land;
- d) labour relations or employee negotiations; and,
- k) a position, plan, procedure, criteria or instruction to be applied to any negotiations carried on or to be carried on by or on behalf of the municipality.

2. MOTION TO RECONVENE IN OPEN SESSION

RECOMMENDATION

THAT Council reconvenes in Open Session at 7:00 p.m.

- 3. MOMENT OF SILENCE**
- 4. LAND ACKNOWLEDGEMENT – Councillor A. Hallman**
- 5. ADDITIONS TO THE AGENDA**
- 6. DISCLOSURE OF PECUNIARY INTEREST UNDER THE MUNICIPAL CONFLICT OF INTEREST ACT**
- 7. MINUTES OF PREVIOUS MEETINGS**

7.1 Council Meetings Minutes Monday June 14, 2021

RECOMMENDATION

THAT the minutes of the following meetings be adopted as presented:

Regular Council Meeting June 14, 2021.

- 8. PUBLIC MEETINGS**
- 9. PRESENTATIONS**
- 10. DELEGATIONS**
- 11. CONSENT AGENDA**
- 12. REPORTS**
- 13. CORRESPONDENCE**
- 14. BY-LAWS**
- 15. NOTICE OF MOTIONS**
- 16. ANNOUNCEMENTS**
 - 16.1 Mayor L. Armstrong Anti-Racism, Inclusivity, and Diversity Education Update**
- 17. BUSINESS ARISING FROM CLOSED SESSION**
- 18. CONFIRMATORY BY-LAW**
 - 18.1 By-law No. 2021-34**

RECOMMENDATION

THAT By-law No. 2021-34 to Confirm the Proceedings of Council at its Meeting held on June 28, 2021 be introduced, read a first, second, and third time and finally passed in Open Council.

19. ADJOURNMENT

RECOMMENDATION

THAT we do now adjourn to meet again at the call of the Mayor.



Council Meeting Minutes

Monday, June 14, 2021

Council Meeting

Electronic Online Participation

7:00 P.M.

Members Present: Acting Mayor J. Gerber, Councillors A. Hallman, C. Gordijk, B. Fisher, and J. Pfenning

Regrets: Mayor L. Armstrong

Staff Present: Acting Chief Administrative Officer / Director of Parks, Facilities and Recreation S. Jackson, Director of Information and Legislative Services D. Mittelholtz, Director of Public Works J. Molenhuis, Director of Development Services H. O'Krafka, Director of Corporate Services / Treasurer P. Kelly, Fire Chief R. Leeson, Manager of Information and Legislative Services / Deputy Clerk T. Murray, Manager of Planning / EDO A. Martin

- 1. MOTION TO CONVENE INTO CLOSED SESSION (IF NECESSARY)**
- 2. MOTION TO RECONVENE IN OPEN SESSION (IF NECESSARY)**
- 3. MOMENT OF SILENCE**
- 4. LAND ACKNOWLEDGEMENT – Councillor J. Gerber**
- 5. ADDITIONS TO THE AGENDA**
- 6. DISCLOSURE OF PECUNIARY INTEREST UNDER THE MUNICIPAL CONFLICT OF INTEREST ACT**
- 7. MINUTES OF PREVIOUS MEETINGS**

7.1 Council Meetings Minutes Monday May 31, 2021

Resolution No. 2021-120

Moved by: Councillor C. Gordijk

Seconded by: Councillor A. Hallman

THAT the minutes of the following meetings be adopted as presented:

Regular Council Meeting May 31, 2021.

CARRIED.

8. PUBLIC MEETINGS

8.1 REPORT NO. ILS 2021-25

Public Meeting

Draft Procedural By-law Amendments

Resolution No. 2021-121

Moved by: Councillor C. Gordijk

Seconded by: Councillor J. Pfenning

THAT Report ILS 2021-25 be received for information.

CARRIED.

The Director of Information and Legislative Services and the Interim CAO outlined the report.

The Director of Information and Legislative Services and Mr. Eric Davis, Township Solicitor, advised on the following aspects of the Procedural By-law:

- The upcoming revised Records Management By-law, which is expected to come forward in July, will address the retention period for video recordings of Council meetings.
- The proposed minimum reporting schedule for Committees of Council can be amended to be annual.
- Inclusion of specific statutory roles are outline in the Municipal Act or other various acts as required. Procedural By-laws would not require the listing of positions other than those whose participation in meetings are legislated.
- Confirmed that the intention of Reports under Separate Cover would allow for the agendas to be released on the date specified within the Procedural By-law while late Presentations or Reports can be provided after as a Report Under Separate Cover. Reports that cannot be under Sperate Cover include those regulated by legislation or otherwise required public notice.
- A petition form will be created for the calling of Special Meetings of Council and will be incorporated into Section 4.15 where Councillors are requesting a Special Meeting.

- Section 3.1 is to be amended to reflect religious freedoms while also ensuring the Township is not adopting symbols or practices of faith or spirituality within Council Chambers, other meeting spaces, or through meetings and Township events. This section will attempt to balance the religious freedom, separation of church and state, and the mandate of committees relative to Inclusion and Diversity.

9. PRESENTATIONS

9.1 Board of Trade

Lyle Cressman and Joe Figliomeni

9.1.1 REPORT NO. DS 2021-022

New Hamburg Board of Trade

Waterwheel Project

Resolution No. 2021-122

Moved by: Councillor B. Fisher

Seconded by: Councillor J. Pfenning

THAT Report DS 2021-022, regarding the New Hamburg Board of Trade Waterwheel Project be received for information.

CARRIED.

The Director of Development Services outline the report and introduced Lyle Cressman and Joe Figliomeni.

Lyle Cressman and Joe Figliomeni provided a presentation, attached as Appendix A.

Joe Figliomeni clarified that this project will include the milling history of the entire Township, the potential for lighting the wheel, continued work with the marketing plan moving forward to promote the waterwheel and the area.

Council directed staff to consider and continue to liaison with the Board of Trade and prepare a staff report as part of the 2022 Budget.

9.2 Transform WR 80x50 Plan

**Mary Jane Patterson, Executive Director, Reep Green
Solutions**

**Tova Davidson, Executive Director of Sustainable Waterloo
Region**

9.2.1 REPORT COR 2021-022

TransformWR 80x50

Resolution No. 2021-123

Moved by: Councillor C. Gordijk

Seconded by: Councillor B. Fisher

THAT the attached TransformWR strategy (Appendix A to report COR 2021-022) be endorsed as the community climate change mitigation strategy for the Township of Wilmot; and further,

THAT Council direct staff across the organization to develop detailed plans to implement the strategy, subject to available funding and resource allocations; and further,

THAT Council direct staff to work with local partners on implementation, monitoring, and reporting progress on the goals outlined in the strategy; and further,

THAT the Township of Wilmot advocate for provincial and federal support and action to achieve the community transformations outlined in the TransformWR strategy; and further,

THAT Council endorse, in principle, an interim absolute community Greenhouse Gas emissions reduction target of 50% by 2030. Recognizing that the bold and immediate local actions in the attached TransformWR strategy are expected to achieve a 30% reduction by 2030, Council emphasizes that bold and immediate actions from the provincial and federal government will also be required to reach this deeper reduction target.

CARRIED. AS AMENDED.

The Manager of Finance outlined the report and introduced Mary Jane Patterson and Tova Davidson, who provided a presentation that is attached as Appendix B.

Resolution No. 2021-124

Moved by Councillor J. Pfenning**Seconded by B. Fisher**

THAT the Motion is on the table to allow for discussion.

CARRIED.

Registered Delegations

Lyndsay Dajka and Betsey Daub, Nith Valley Ecoboosters, appeared as delegations. Their presentation is attached as Appendix C.

Marie Pavey appeared as a delegation, the presentation is attached as Appendix D. Council asked that the delegation provide the background financial information to the Clerk for their information.

The Director of Development Services clarified that the topsoil requirements and tree planting is reviewed with each development proposal received.

Lisa Clifford, Wilmot Horticultural Society, appeared as a delegation in support of the report and advised on several ways that people can encourage environmental protection to allow for being part of the solution.

The Director of Public Works and Engineering advised Council to provide the information on the native species planting in ditches for investigation.

Steph Goertz, Food System Roundtable of Waterloo Region appeared as a delegation, the presentation is attached as Appendix E. She noted that the Region of Waterloo had adapted the Food Charter; however, there has been little uptake on it.

Andres Fuentes, 50 by 30 WR, appeared as a delegation, the presentation is attached as Appendix F.

Becky Voll appeared as a delegation, the presentation is attached as Appendix G.

Alisa McClurg, KW Urban Harvester, appeared as a delegation, the presentation is attached as Appendix H.

Mary Jane Paterson clarified that one of the actions is to provide loans to homeowners for home energy retrofits in partnership with FCM and local municipalities.

9.3 Sustainable Waterloo Region Annual Report

Tova Davidson, Executive Director of Sustainable Waterloo Region

Tova Davidson provided a presentation, attached as Appendix I.

10. DELEGATIONS**11. CONSENT AGENDA****11.1 DS 2021-021**

Lifting one (1) foot reserve and open as part of Heritage Drive

11.2 ILS 2021-24

**Petition for Drainage Works by Road Authority
Queen Street (Regional Road 12), South of Cottage Lane**

11.3 ILS 2021-23

**Encroachment Agreement
EJ's Tavern
39 Snyder's Road West, Baden
Township of Wilmot**

11.4 REPORT COR 2021-023

Sustainability Work Group – Annual Report

Resolution No. 2021-124

Moved by: Councillor C. Gordijk

Seconded by: Councillor J. Pfenning

THAT Report Nos. DS 2021-021, ILS 2021-24, ILS 2021-23 and COR 2021-023 be approved.

CARRIED.

12. REPORTS**12.1 PARKS, FACILITIES AND RECREATION SERVICES****12.1.1 REPORT NO. PFRS 2021-010****Artificial Turf Field License Agreement****Resolution No. 2021-125****Moved by: Councillor C. Gordijk****Seconded by: Councillor J. Pfenning**

THAT the ten (10) year agreement between the Township of Wilmot and the Waterloo Region District School Board (WRDSB) for operation of the artificial turf field at Waterloo Oxford District Secondary School (WODSS) be endorsed.

CARRIED.

The Director of Parks, Facilities and Recreation outlined the report.

The Director of Parks, Facilities and Recreation advised that access in the future for the public is a goal and will provide further information on the costs at end of life.

12.2 PUBLIC WORKS AND ENGINEERING**12.2.1 REPORT NO. PW 2021-013****Wilmot-Kitchener Boundary Road Maintenance Agreement****Resolution No. 2021-126****Moved by: Councillor J. Pfenning****Seconded by: Councillor C. Gordijk**

THAT Council approve and enter into an agreement with the City of Kitchener for the maintenance and repair services for two segments of road; a portion of Trussler Road and the entire segment of Waldau Crescent; and further,

THAT the Mayor and Clerk be authorized to execute all associated documentation.

CARRIED.

The Director of Public Works and Engineering outlined the report.

13. CORRESPONDENCE

13.1 Integrity Commissioner Report Nos. IC-2021-02

Resolution No. 2021-127

Moved by: Councillor C. Gordijk

Seconded by: Councillor A. Hallman

That Correspondence Item No. 13.1 be received for information.

CARRIED.

14. BY-LAWS

14.1 By-law No. 2021-30

Lifting of a One (1) Foot Reserve

14.2 By-law No. 2021-31

**Authorize the Execution of an Agreement –
Artificial Turf**

14.3 By-law No. 2021-32

**Authorize the Execution of an Agreement –
Wilmot Line Boundary Agreement**

Resolution No. 2021-127

Moved by: Councillor J. Pfenning

Seconded by: Councillor C. Gordijk

THAT By-law Nos. 2021-30, 2021-31 and 2021-32 be read a first, second and third time and finally passed in Open Council.

CARRIED.

15. NOTICE OF MOTIONS**16. ANNOUNCEMENTS**

16.1 Councillor C. Gordijk thanked Kitchener Mayor Berry Urbanovic to a friendly wager on the European Soccer Game between England and Croatia and as a result the Wilmot Terry Fox Fund is up \$50.00.

16.2 Councillor B. Fisher congratulated Mr. Gerber on the end of a successful career and he has made a very positive influence on many local youth.

- 16.3** Councillor J. Pfenning also passed along congratulations to Councillor Gerber.
- 16.4** Councillor J. Pfenning noted the importance of wearing PFD's and thanked the work for the work that emergency workers and she extended condolences to the family that lost a member on Conestoga Lake over the weekend.
- 16.5** Councillor A. Hallman also congratulated Councillor Gerber on his retirement. This evening had a friendly wager over the Canadians and the Leafs and thanked staff for the fun and games.
- 16.6** Acting Mayor J. Gerber thanked his fellow Councillors for their kind words as he retires. He remarked fondly on his years of teaching at Waterloo-Oxford D.S.S.

17. BUSINESS ARISING FROM CLOSED SESSION

18. CONFIRMATORY BY-LAW

18.1 By-law No. 2021-33

Resolution No. 2021-128

Moved by: Councillor C. Gordijk

Seconded by: Councillor J. Pfenning

THAT By-law No. 2021-33 to Confirm the Proceedings of Council at its Meeting held on June 14, 2021 be introduced, read a first, second, and third time and finally passed in Open Council.

CARRIED.

19. ADJOURNMENT (10:56 P.M.)

Resolution No. 2021-129

Moved by: Councillor B. Fisher

Seconded by: Councillor A. Hallman

THAT we do now adjourn to meet again at the call of the Mayor.

CARRIED.

Township of Wilmot Water Wheel Project 2021

A COMMUNITY ECONOMIC
DEVELOPMENT PROJECT

NEW HAMBURG BOARD OF TRADE



A Brief History of this past year.

Son graduating - Connected with Walter Fedy Engineers - Connected with University of Guelph students - Project Started - Connected with local suppliers - Research - Final Result = Workable Report of a New WaterWheel.

Connecting with Community

WaterWheel Report

- ❖ \$200K - \$300K
- ❖ Using Existing Infrastructure (minimize environmental impact)
- ❖ Aesthetically similar to existing (heritage look)
- ❖ 50ft Height + to hold the record?
- ❖ Cost Effective materials (long lasting) & locally sourced where possible
- ❖ Ability to generate power
- ❖ Add-On Educational Kiosk

Next Steps:

- ❖ Continue to field community comments/support
 - ❖ Vote at Board of Trade
- ❖ Continue with our Technical Group to refine this blue print provided and develop a working schedule.
- ❖ Launch a Fundraising committee to look at any grants available

PROS/CONS

Spend \$300K = how much does regular Marketing cost?

Generates local economic development with suppliers

Generates Community Involvement

Create a Tourist Attraction - very unique

Brings new people to the area who will
Shop/Work/Live

Supporting local businesses

Provide Labour Skills to the area

Be Part of the Community and volunteer at our non-profit
organizations

Township of Wilmot

Do you see Value?

Partner with us!

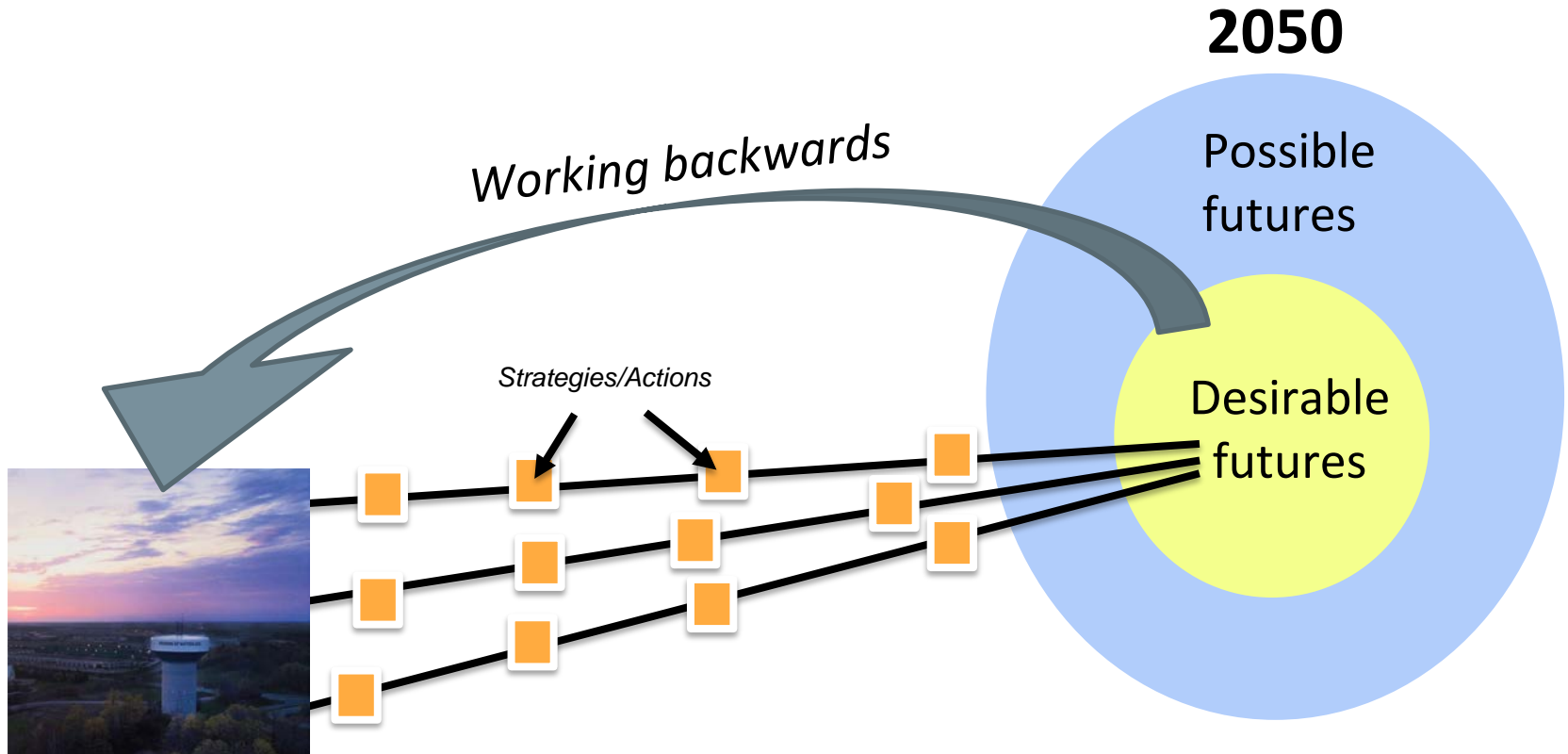
- ✓ *Some Financial Support*
- ✓ *Find grants available for the project & help us apply for them*
 - ✓ *Provide charitable status for community donation*
 - ✓ *Provide ideas/suggestions/direction*



TransformWR:

Waterloo Region's Transition to an
Equitable, Prosperous, Resilient
Low Carbon Community

CoordinateMeasureEngage



Over **1,600** Community members across Waterloo Region contributed to this strategy!

36 = 900+ = 857

Events throughout
Waterloo Region

Community Members
engaged with

Community Suggestions

11

Focused Group
Conversations

50+

In-depth Interviews

460

Survey Respondents

5 = 84

Community Workshops

Participants

Over **100** Technical experts contributed to this strategy!

29

Municipal technical staff
workshop participants
from across Waterloo
Region

16

Community technical
expert workshop
participants

57

Technical experts
surveyed:

Including:

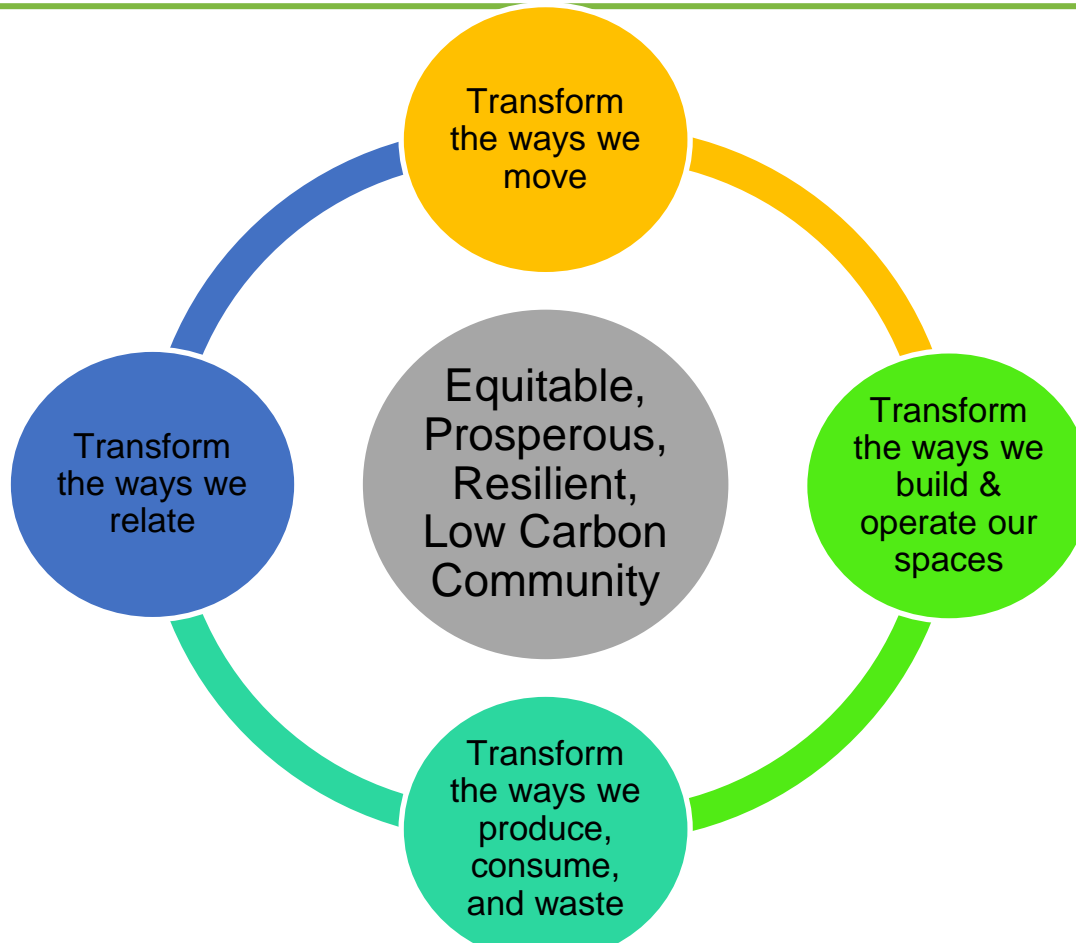
- Engineers
- Architects
- Utilities
- Local Municipalities
- External Municipalities
- Technical Solution Providers
- Universities and Colleges
- Association of Energy Engineers
- External Community Technical Groups
- Community Technical Leaders



SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD





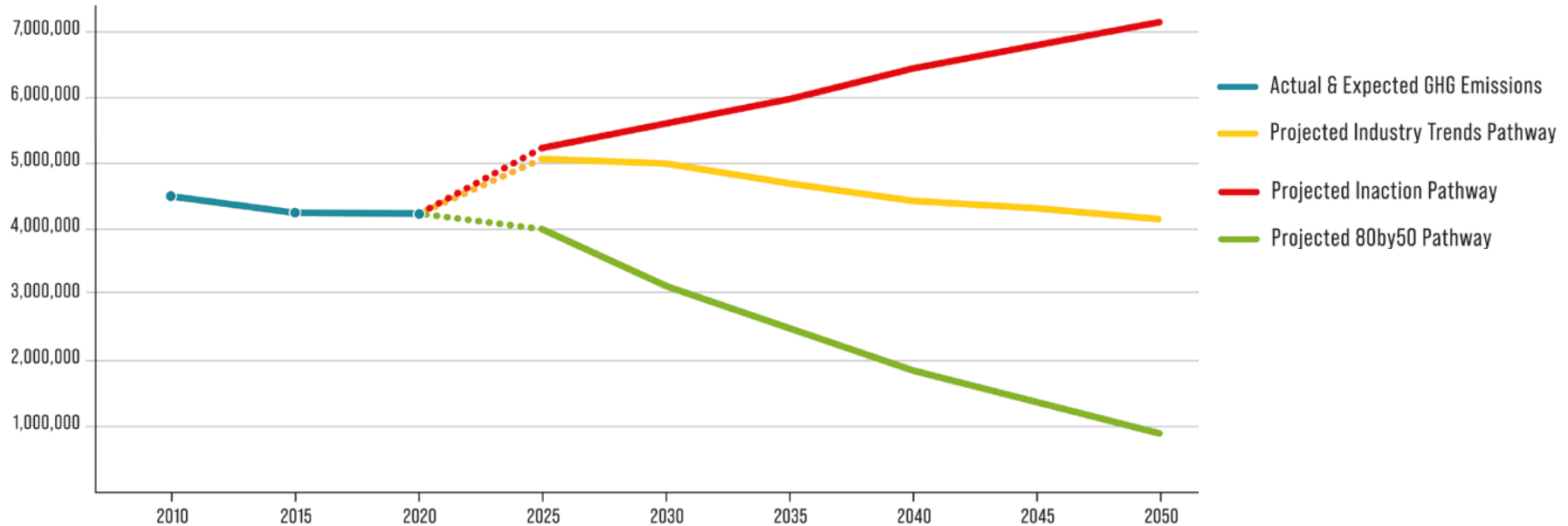


Figure: *Trajectory to achieve an 80% GHG emissions reduction (from 2010 levels) by 2050*

- Inaction:** Our population continues to grow as expected, but no further efforts are made to reduce our GHG emissions;
- Industry Trends:** Our population continues to grow as expected, and predicted industry trends help us reduce emissions per person over time;
- 80by50:** Our population continues to grow as expected, industry trends help us reduce emissions per person over time, and we make further conscious changes to meet our 80by50 reduction target.

Transformative Change #1: By 2050, most trips are taken using active transportation, with the support of a robust public transit system.

Key Milestones:

Results	2030	2050
Fewer trips between homes and workplaces	10%	40%
Fewer discretionary trips	4%	18%
Shorter trips	2%	10%
Switch to lower energy trips	10%	80%



Transformative Change #1: By 2050, most trips are taken using active transportation, with the support of a robust public transit system.

What is your municipality's role in helping us get there?

- Redesign, rebuild, and maintain our transportation system to prioritize active transportation:
 - Plan a network of active transit corridors.
- Support people to walk, cycle, or roll, and build a culture of active transportation and public transit ridership:
 - Connect people to intercity, multimodal, and emerging transportation solutions.



Transformative Change #2: By 2050, remaining personal and commercial vehicles are zero emissions vehicles.

Key Milestones:

Results	2030	2050
Switch to zero-emission vehicles	50%	99%



Transformative Change #2: By 2050, remaining personal and commercial vehicles are zero emissions vehicles.

What is your municipality's role in helping us get there?

- Switch commercial vehicles to zero emission vehicles:
 - Plan to transition fleets to zero emission vehicles.
 - Collaborate on region-wide electric vehicle strategy.
- Build a network of charging/refuelling infrastructure:
 - Provide electric vehicle charging stations in public spaces.
 - Require new residential parking spaces to be “EV-ready”.



Transformative Change #3: By 2050, businesses and homes no longer use fossil fuels for space heating and cooling, and water heating.

Key Milestones:

Results	2030	2050
Buildings use electric heat pumps (or energy efficient equivalent)	20%	85%
Buildings use energy efficient and low-carbon water heaters	20%	85%
Reduction in fuel oil and propane use for home heating	100%	100%



Transformative Change #3: By 2050, businesses and homes no longer use fossil fuels for space heating and cooling, and water heating.

What is your municipality's role in helping us get there?

- Decarbonize building heating and cooling, and water heating:
 - Offer innovative loans for energy-related building upgrades.
- Build new buildings to be, or transition to, net-zero carbon:
 - Develop building standards to support zero-carbon development.



Transformative Change #4: By 2050, Waterloo Region uses less, wastes less, and no longer disposes of organic matter in landfills.

Key Milestones:

Results	2030	2050
Maintain the same level of methane emissions from our landfills as we had in 2010.	45,774 tCO ₂ e	45,774 tCO ₂ e

(tCO₂e = tonnes of carbon dioxide equivalent)



Transformative Change #4: By 2050, Waterloo Region uses less, wastes less, and no longer disposes of organic matter in landfills.

What is your municipality's role in helping us get there?

- Use less, and use it again:
 - Implement community waste reduction and circular economy campaigns.
 - Reduce unnecessary building demolitions and construction waste.



Transformative Change #5: By 2050, Waterloo Region has a thriving local food system built on local farming, and food production and processing that feeds much of our community.

Key Milestones:

Results	2030	2050
Maintain the same level of methane emissions from livestock as we had in 2010	213,559 tCO ₂ e	213,559 tCO ₂ e

(tCO₂e = tonnes of carbon dioxide equivalent)



Transformative Change #5: By 2050, Waterloo Region has a thriving local food system built on local farming, and food production and processing that feeds much of our community.

What is your municipality's role in helping us get there?

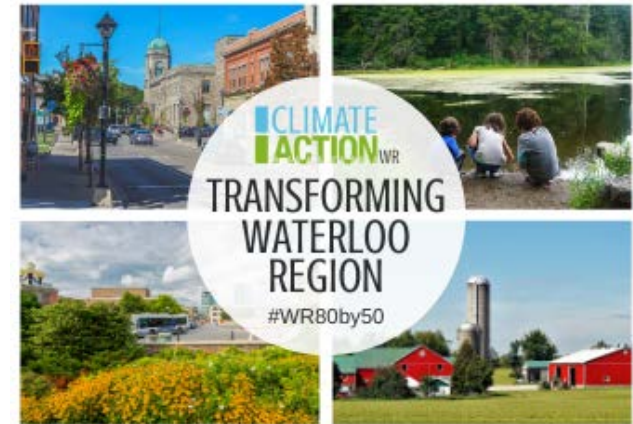
- Protect agricultural land and the local agricultural system:
 - Continue to develop and enforce robust land use planning protections for prime agricultural land.
- Support leadership in farming communities to plan and lead GHG reduction efforts:
 - Support the reduction of emissions from livestock, and the development of methane capture and energy production from manure.



Transformative Change #6: By 2050, Waterloo Region has leveraged reducing GHG emissions increase equity, prosperity, and resiliency for all

Key Milestones:

Results	2030	2050
Next steps: Establish metrics to measure progress in reducing inequities, and creating climate action solutions that increase equity	TBD	TBD
Locally produce energy from carbon neutral, renewable sources	4%	38%



Transformative Change #6: By 2050, Waterloo Region has leveraged reducing GHG emissions increase equity, prosperity, and resiliency for all

What is your municipality's role in helping us get there?

- Prioritize increasing equity throughout GHG reduction planning:
 - Establish metrics to measure progress on increasing equity through GHG reduction initiatives.
- Ramp up local renewable energy generation:
 - Collaborate on evaluating how to identify and protect optimal areas for renewable energy generation.
- Coordinate advocacy to senior levels of government.



QUESTIONS?



Good evening. I am Betsey Daub of the Nith Valley EcoBoosters. We are a volunteer group committed to achieving and supporting a long-term healthy environment in Wilmot and Wellesley Townships through education, action and collaboration. Over the past number of years, we have hosted a variety of public events aimed to educate the residents of our community in these goals. We hosted a screening of the climate change film by Kai Reimer-Watts, *Beyond Crisis; Warmer Wetter, Wilder* with Prof. Blair Feltmate; *Just Eat It*, about food waste; and more recently, webinars entitled *Let's Talk Electric Vehicles* and *Let's Talk Plastics*. In addition, we are a partner in *Let's Tree Wilmot*, dedicated to increasing the tree cover in Wilmot Township. I have had a long interest in environmental issues, from when I attended the very first Earth Day as a high school student. I have children, and it is important to me that the world they live in has a future.

Climate change, which is fueled largely by human generated greenhouse gas emissions, has emerged as probably the biggest threat to a long-term healthy environment not just here at home, but in the entire world. The Ecoboosters have supported the Transform WR initiative 80X50, 80% reduction in greenhouse gas emissions by 2050. But the newer 50X30 initiative has a more ambitious goal, 50% reduction in greenhouse gas emissions by 2030, which is what is required, to help circumvent disastrous climate change. Wilmot Township signed on to the Blue Dot Movement in August 2015, and declared a Climate Emergency in September 2019. This is now 2021, so the 50X30 initiative means that Wilmot Township and

indeed, all of us, must get busy, now, to reduce our carbon footprint. The Township makes many decisions every year, and what is required is that every decision the Township makes must be made with greenhouse gas emissions in mind. For example, land development has to maintain or preferably increase, not destroy, green space and trees. Procurement needs to favor less polluting options, such as electric vehicles and electric tools. The Township needs to explore more public transportation options. It is necessary to increase the tree canopy and to educate citizens on how to care for trees. Township Council needs to enact a mandate that requires such far reaching planning, and also to build this planning mindset into the long term Strategic Plan.

Over to you, Lyndsay....

Hi, I'm Lyndsay Dajka, also a member of the Nith Valley EcoBoosters. I joined the EcoBoosters to make a difference in my community and protect my future and the future of all the generations to come. But there is only so much that we as the EcoBoosters can do. We can act, we can educate, and we can collaborate, but only YOU can make laws. Only YOU can ensure that action actually gets taken. So on behalf of the Nith Valley EcoBoosters, on behalf of myself, and on behalf of all the generations to come, who deserve to experience the same beautiful world that we have, I ask that you *please* commit to a 50x30 emissions reduction target here in Wilmot. But further than this, I ask that you put an environmental mandate into your Strategic Plan. You need to consider the climate crisis in everything you do; every action you take, every legislation you pass. Because the climate crisis

IS a part of everything. The climate crisis IS a crisis and the residents of Wilmot need a responsible government to stand up and take action. Many other regions and townships have already put an environmental mandate and 50x30 target in place. It's time that Wilmot did the same.

Working
with:



TOWNSHIP
OF WILMOT



Let's Tree Wilmot



Our Vision

Wilmot as a vibrant green community that comes together to grow and nourish the trees that support the community by providing environmental and health benefits, such as shade, carbon sequestration, flood mitigation, wildlife habitat, water filtration and general green space.





- ❖ Forests stabilize the climate and absorb CO₂
- ❖ We need to maximize the climate benefits of forests
- ❖ We need to halt the loss and degradation of natural systems and promote their restoration



What is a forest carbon sink?

Trees, soil, roots, and decaying matter -- can all absorb and store carbon as well as release it.

Forests need to be managed so they flourish.

Plant the right trees for the right places.



Reforestation

- One of the best ways to remove carbon dioxide.
- Restores habitat loss that threatens the extinction of up to 1 million plant and animal species.



Halt Deforestation

- Costly
- Takes decades for reforestation to regrow



Trees Need Care

- ❖ Healthy soil
- ❖ Properly planted
- ❖ Properly maintained



High Cost of Replacing

E.g. Waterloo Street New Hamburg, east side between Forest Rd and Hostetler Rd,

- 75 trees planted about 8 years ago
- Today 29 trees already removed and 8 dead (39%)
- 28 trees that will never reach maturity (damaged) (37%)

ONLY 18 trees that may reach maturity but shortened life. (24%)

Costing \$11,000 +



Working with Others to Grow our Forests

- ❖ Region of Waterloo
- ❖ Residents
- ❖ Private companies





“The best time to plant a tree was 20 years ago. The second best time is now.”



FOOD SYSTEM ROUNDTABLE OF WATERLOO REGION



Food Systems Roundtable of Waterloo Region

A healthy, just, and sustainable food system is one in which all residents have access to, and can afford to buy, safe, nutritious, and culturally acceptable food that has been produced in an environmentally sustainable way, and that supports our rural communities.

We need need to carry out food system planning, and to establish principles that govern food-related decisions.





**OUR
FOOD
FUTURE**
WATERLOO-REGION



Our Food Future Waterloo is a joint project from the University of Waterloo and the Food Systems Roundtable of Waterloo Region to bring the best from research and the community to inform our path towards Food Justice in the Region.

We want to help you connect with the resources you
need.





Roundtable Food Charter

We support...



**COMMUNITY ECONOMIC
DEVELOPMENT**



**ACCESS TO
HEALTHY FOOD**



**INTEGRATED FOOD
POLICIES AT ALL LEVELS
OF GOVERNMENT**



ECOLOGICAL HEALTH



... we support *community economic development*

- ❖ By building the processing and distribution infrastructure required to make local foods available for local residents and global trade.

THIS INCLUDES:

- Prioritizing local processing distribution, and retailing opportunities for small- and medium-sized businesses
- ❖ By encouraging policies and other initiatives which enable profitable livelihoods for local farmers for generations to come.





... we support *access to healthy food*

- ❖ By protecting farmland from urban development
- ❖ By supporting policies and other initiatives that ensure that everyone has access to enough nutritious food.

THIS INCLUDES:

- ➔ Encouraging the local production and processing of foods
- ➔ Ensuring walkable access to venues that sell healthy local foods





... we support *ecological health*

- ❖ By promoting and supporting food production and processing methods ... sustain or enhance wildlife habitats, watersheds... and soil health; and that optimize or reduce the use of local natural resources to ensure long-term ecological sustainability
- ❖ By encouraging the reduction of food waste and excessive food packaging... strive to reduce or reuse food waste, such as composting



... we support *integrated food policies at all levels of government*

- ❖ By encouraging joined-up policies across local, provincial, and federal levels of government that aim to ensure that healthy, environmentally sustainable food is available to everyone
- ❖ By recognizing the importance of comprehensive food strategies and policies that promote a profitable, visible and ecologically sustainable food system.



Local, Provincial, Federal Support

Climate Caucus

- 300+ local elected climate leaders driving system change to transform our communities in ten years.

Farm Forever Discussion Paper

- Help preserve the productive capacity of agricultural land close to major urban centres

National Farmers Union

- Tackling the Farm Crisis and the Climate Crisis: A Transformative Strategy for Canadian Farmers and Food Systems.

Post Secondary Education

Drawdown

- The World's Leading Resource for Climate Solutions. "Farming Our WAY out of the Climate Crisis"

The World Bank

THANKS!

Do you have any questions?





2018 Intergovernmental Panel on Climate Change: 1.5C Report

- Key takeaway: Countries must cut emissions in half by 2030 for a safe climate future

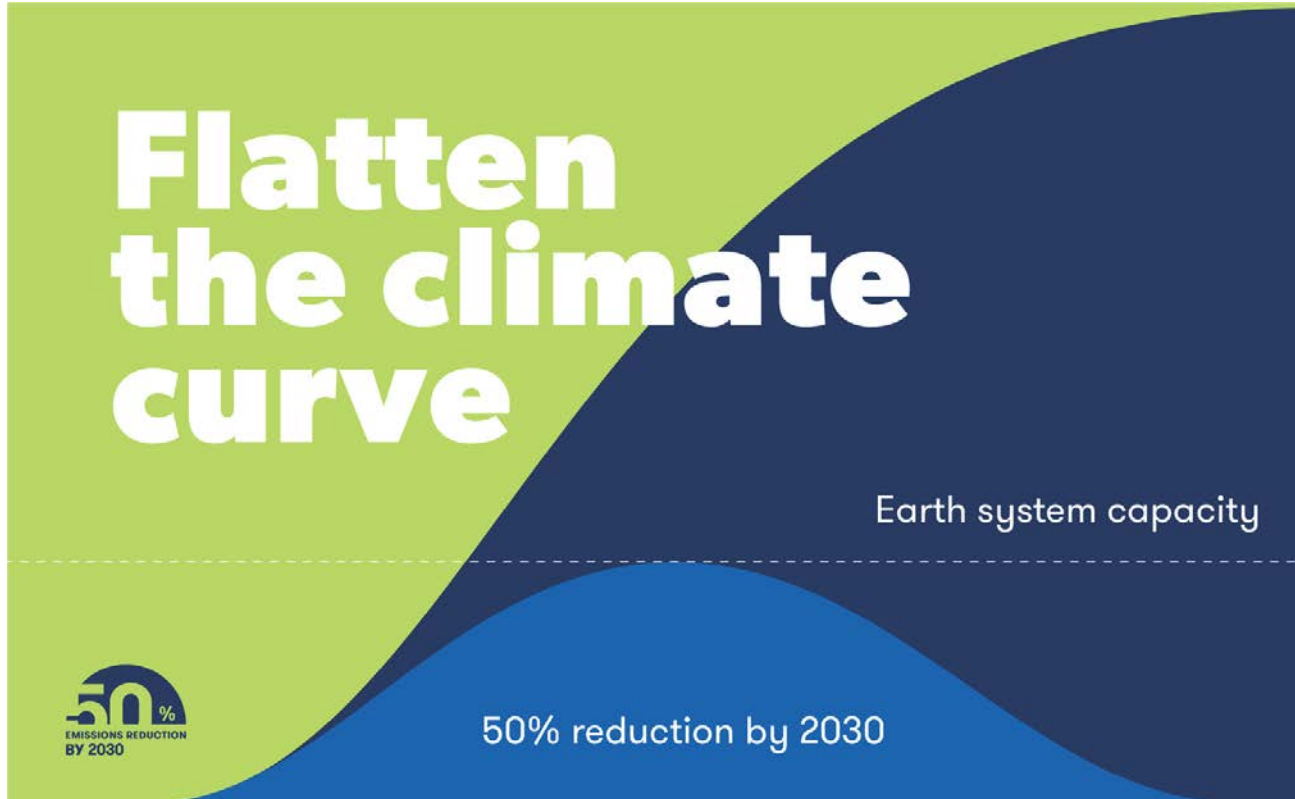
50x30WR, a group of organizers operating on the principle that **speed is justice** and committing to that goal of 50% reductions

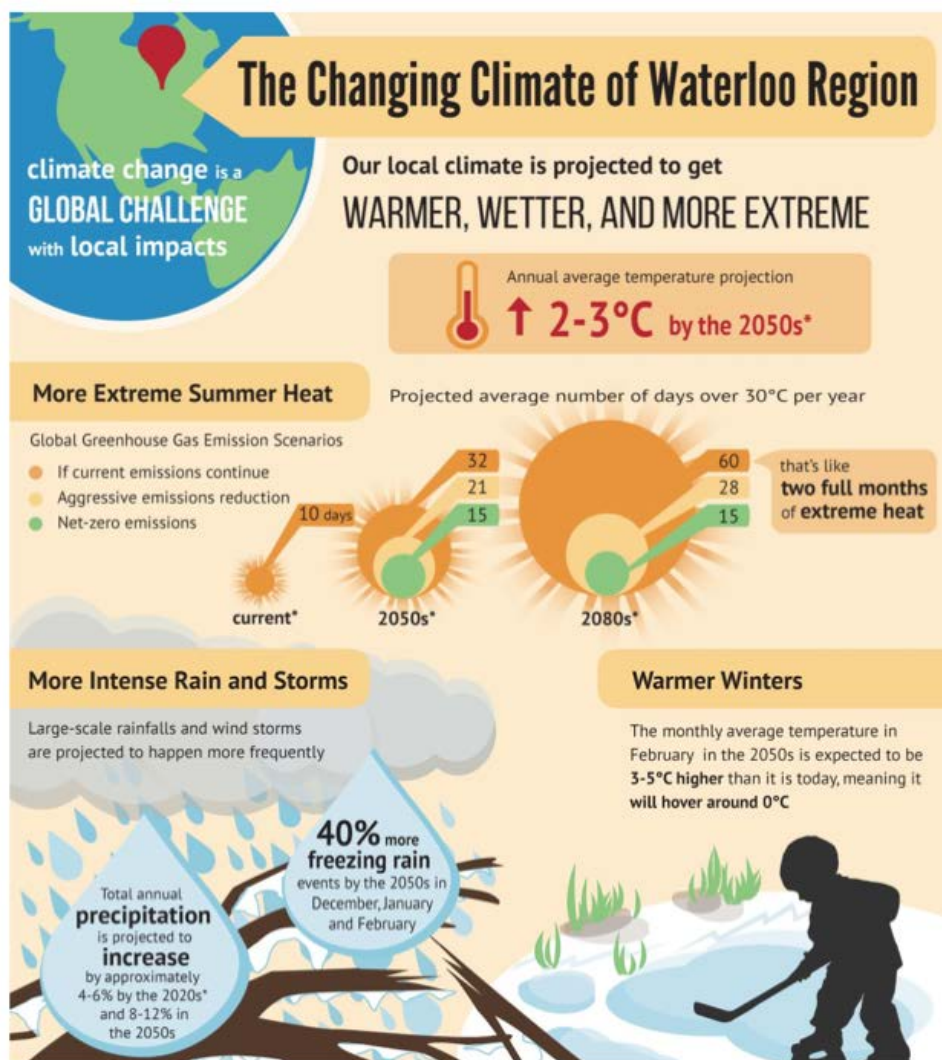
50by30's work in community

- Hosted over a dozen diverse open community events, convening visions + solutions for sustainable futures
- Petition in support of 50by30 with nearly 2,000 signatures
- 6800+ emails sent to local councillors in support
- Solidarity with and support for local climate + social justice solutions, and climate champions
- Co-organizers of local climate strikes, including that brought out over 5,000 people in Waterloo in 2019
- 'Community conveners' for climate action + justice



Call to action: Commit to 50by30





How the Climate Has Changed And Will Keep Changing

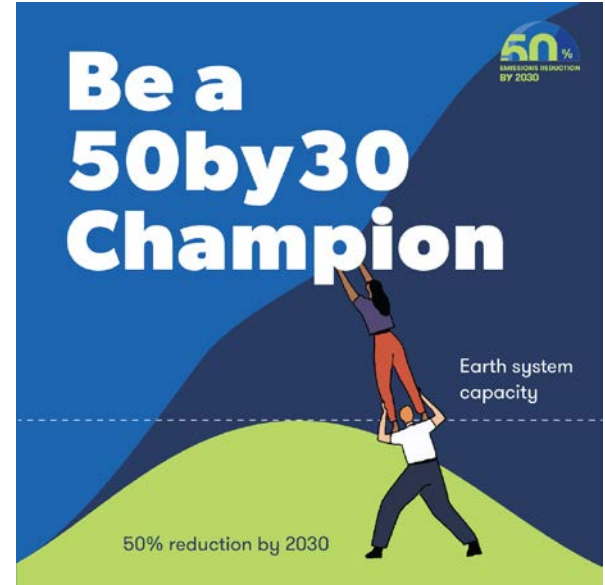
Global CO2 levels are **at 415ppm - far above** the recommended **threshold** of 350ppm

We are at approximately **1.3°C warming - already highly dangerous**. If we continue on this trajectory, **we'll see 4°C global rise** within our children's lives - destabilizing the climate beyond recognition, and destabilizing societies.

We **can decarbonize** at a dramatic rate. We are an **innovation and technological leader**

Change is happening on a global scale

- **USA** has set a goal of **50-52% reduction by 2030, net zero by 2050**
- **Shell** recently ordered to reduce emissions **45% by 2030**
- **Over 700+ global cities** have committed to do their **fair share** to reach 50by30 (part of C40 Cities)
- **Vancouver City** has committed to **50by30**
- **Halifax** has committed to a **75% reduction** by 2030
- **University of Waterloo** just committed to **50by30**



Reaching 50 by 30: Thousands of Jobs, Millions of Dollars

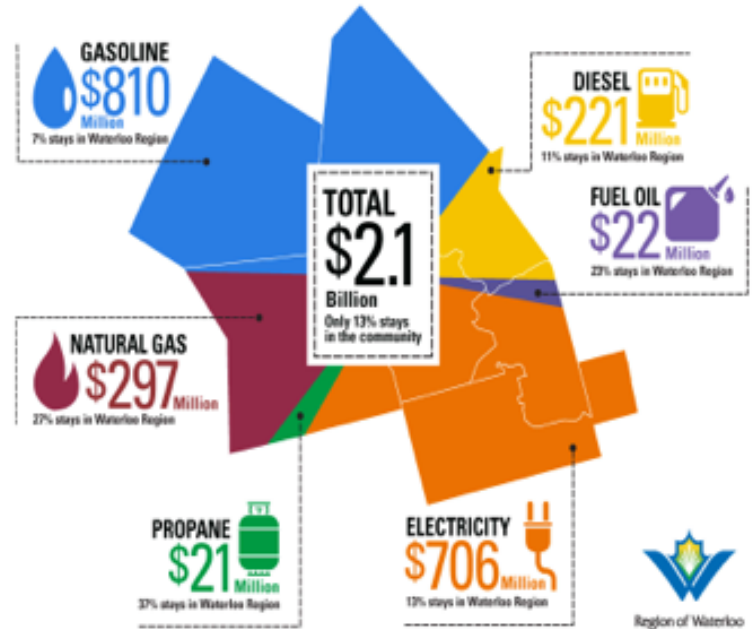
50by30 Creates Jobs: Halifax estimates that carrying out their 50by30 plan will generate **90 000 person years of employment** over the coming decade.

That's like a new Toyota Plant opening every year.

Who would say no to that many jobs?

Generating renewable energy locally will also help to keep **millions of energy dollars** in the region, according to the Waterloo Region *Community Energy Investment Strategy*.

How much did we spend on energy in 2014 within Waterloo region?



World has begun a profound transformation

both in terms of climate impacts and how societies will respond to them.

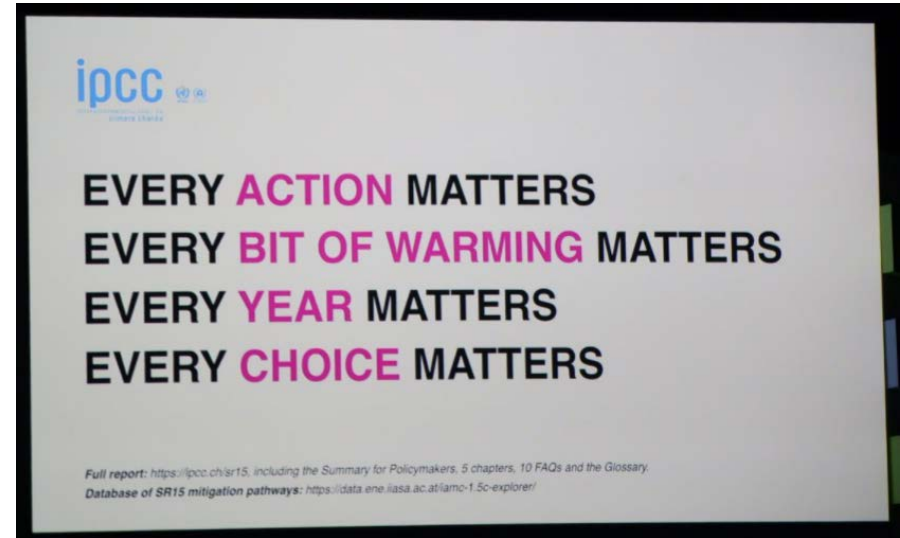
Speed is justice.

Every amount of carbon released matters

Every little bit of warming avoided reduces the risks of **irreversible climate impacts**, lessens devastation to **vulnerable communities**, reduces harm to the **natural world**, and means a more intact, safer planet **for our children**.

The carbon we release here in Waterloo Region **does matter**.

Moral and ethical obligation to **reach 50% by 2030**



JOIN COMMUNITIES FOR CLIMATE JUSTICE

ACT NOW



Faith Climate Justice Waterloo Region

www.faithclimatejustice.ca

Faith Climate Justice WR – our journey...

We are a growing collective of faith communities in Waterloo Region who are deeply concerned about both the climate crisis and recovering justly from the COVID-19 pandemic.



As people of faith and citizens of Waterloo Region, we are deeply concerned about the double crisis we face in our community. We know many local faith communities are similarly concerned, and have begun to take action individually, yet we also need to address the collective and political aspects of this crisis. We are bringing faith communities together to advocate for a sustainable, low-carbon local economy that generates prosperity for all – built through collective efforts to meet our greatest challenges. [Learn more about who we are and our vision here.](#)

We are working to send delegations to local governments, urging them to take judicious and concrete actions on these issues, and sharing our ideas for a way forward.



Over the coming months, we will be approaching our local governments to present our vision and ask them to act. We see our role as **bringing a faith perspective** to the conversation, as we work with other local organizations for climate action. Together, we can achieve more than we can as individual congregations. [Learn more about our mission here.](#)

<https://www.faithclimatejustice.ca/>

Actions taken by Faith Climate Justice and members 2020-2021

Open Dialogues for faith leadership for climate justice

10 climate justice banners, media attention

Starting FCJ Working Groups

Sharing resources between faith communities

Hosting services and starting new dialogues

Planning delegations to local councils

Faith Climate Justice network supports...

- The Transform WR Climate Action Strategy – long in the making, with broad community consultation -- as a critical starting point for strategic and operational action in Waterloo Region.
- *Now* is the time for our community's councils to actively support this local Strategy.
- *Now* is the time for our municipal governments to urgently advocate with the provincial and federal governments for resources to cut local emissions in half by 2030, in line with climate science ("50by30").

Let us work together in hope and action for the
sake of the whole inhabited Sacred Earth.
Thank you for listening.



KW URBAN HARVESTER

Wilmot Presentation

June 14, 2021



KW URBAN HARVESTER

- ✓ Transform urban spaces into anything sustainably edible
- ✓ Preserve the harvest
- ✓ Save the seeds





Canada's food insecurity problem is about to get worse due to COVID-19, experts say



THE
FoodBank
OF WATERLOO REGION

CTVNews.ca

[Denio Lourenco](#) Digital Content Editor

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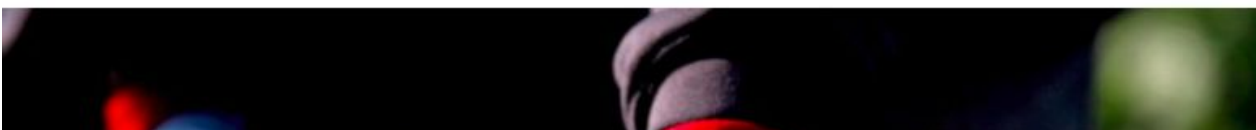
Published Tuesday, June 30, 2020 4:42PM EDT



Sections

Los Angeles Times

Will coronavirus affect food supply? First problem:
A possible shortage of workers



FOOD FOR THOUGHT BLOG

Urgent Response and Reconnect Neighbours During an On

February 7th, 2021

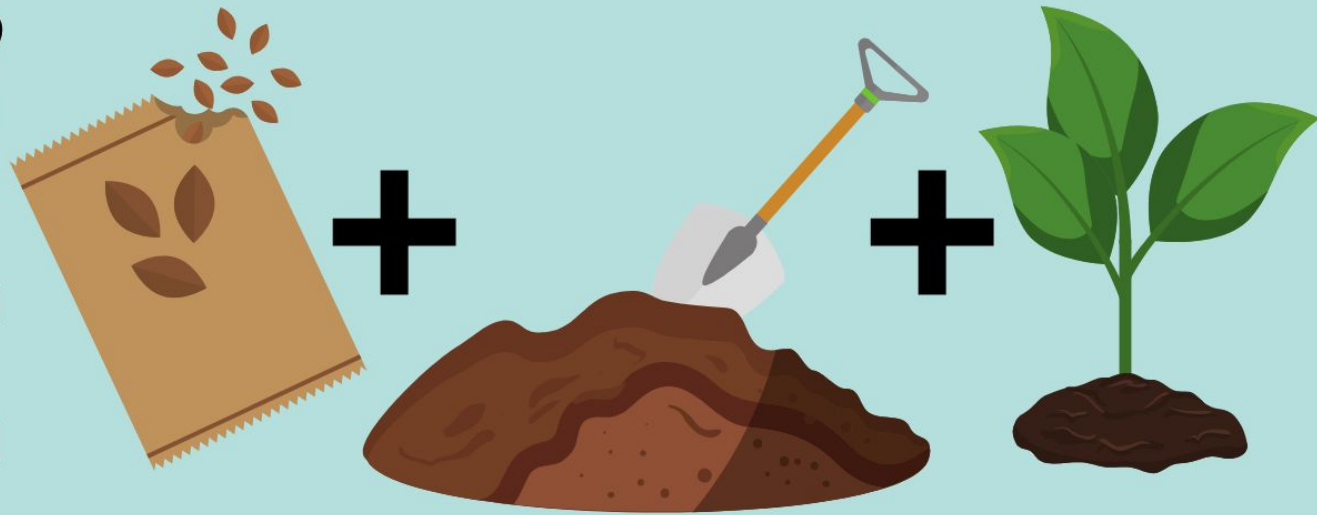
Awareness, COVID-19

The COVID-19 pandemic continues to affect our community and ongoing stress of unexpected job loss, limited budgets, and struggling to put food on the table.

Have a yard?

GROW-A-ROW

**NEED TO GROW FOOD?
WE CAN HELP!
FREE:**









GARDENING PORTAL

COMING SOON...

Find places to garden,
or share your space with others.
Stay tuned!

**Dream: 5,000 bags of
produce!!!**



“Dissolve the pavement,
re-imagine the turf, and
repurpose unneeded structures
to grow food.”

KW Urban Harvester

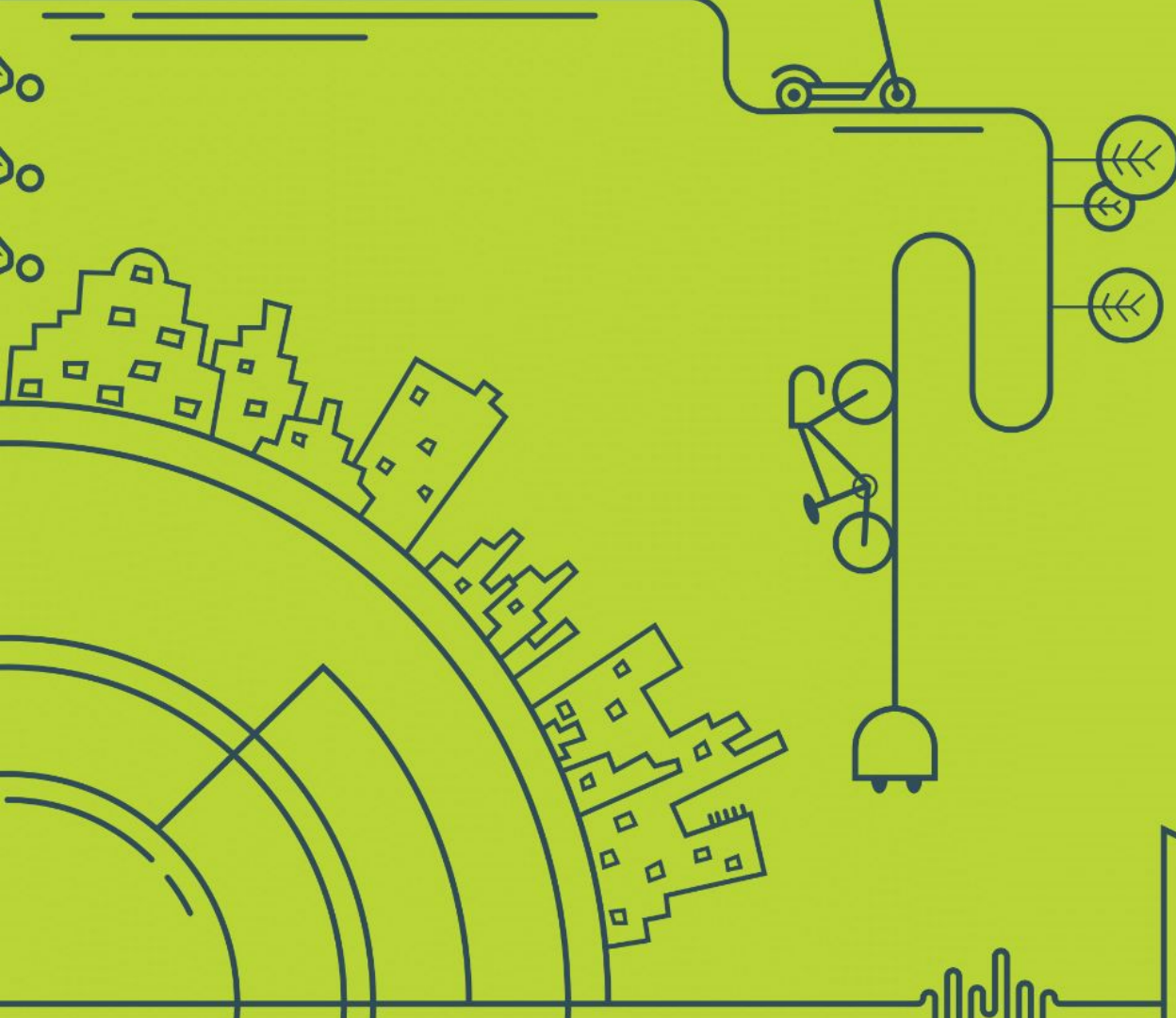


Get involved at:
www.kwurbanharvester.org

#KWUrbanHarvester #GrowARow #VictoryGardens
#ResilienceGardening #yardsharing
@kwurbanharvester @KwUrban







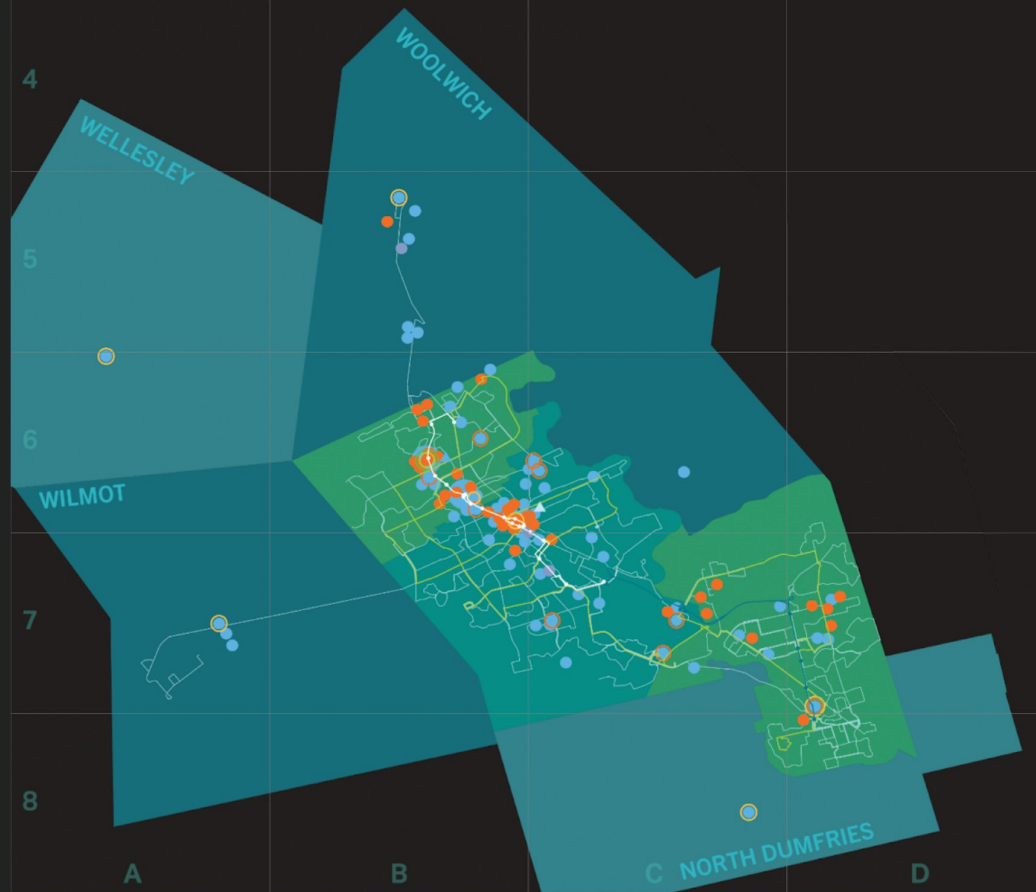
sustainable
WATERLOO REGION

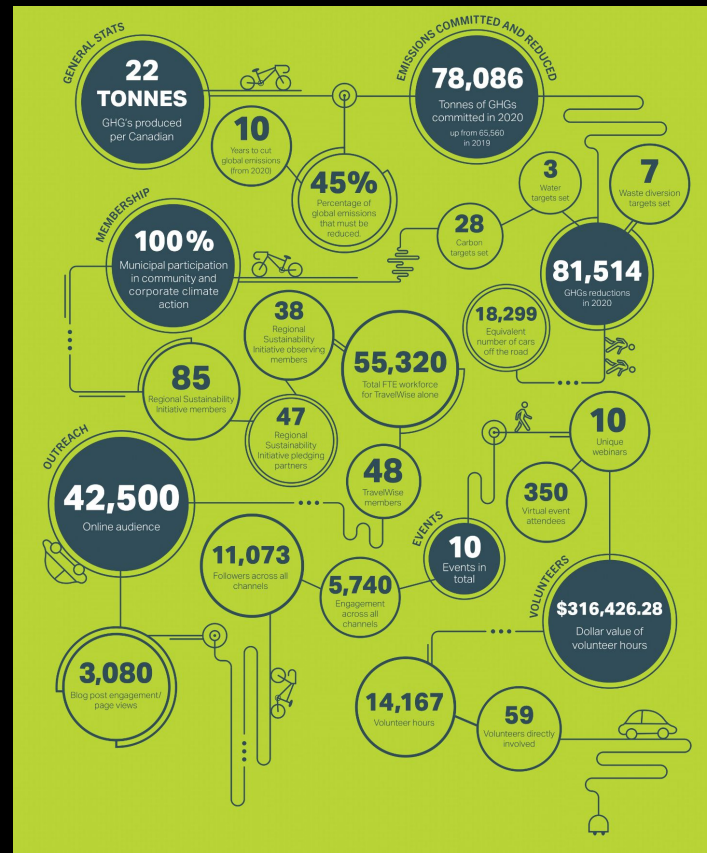


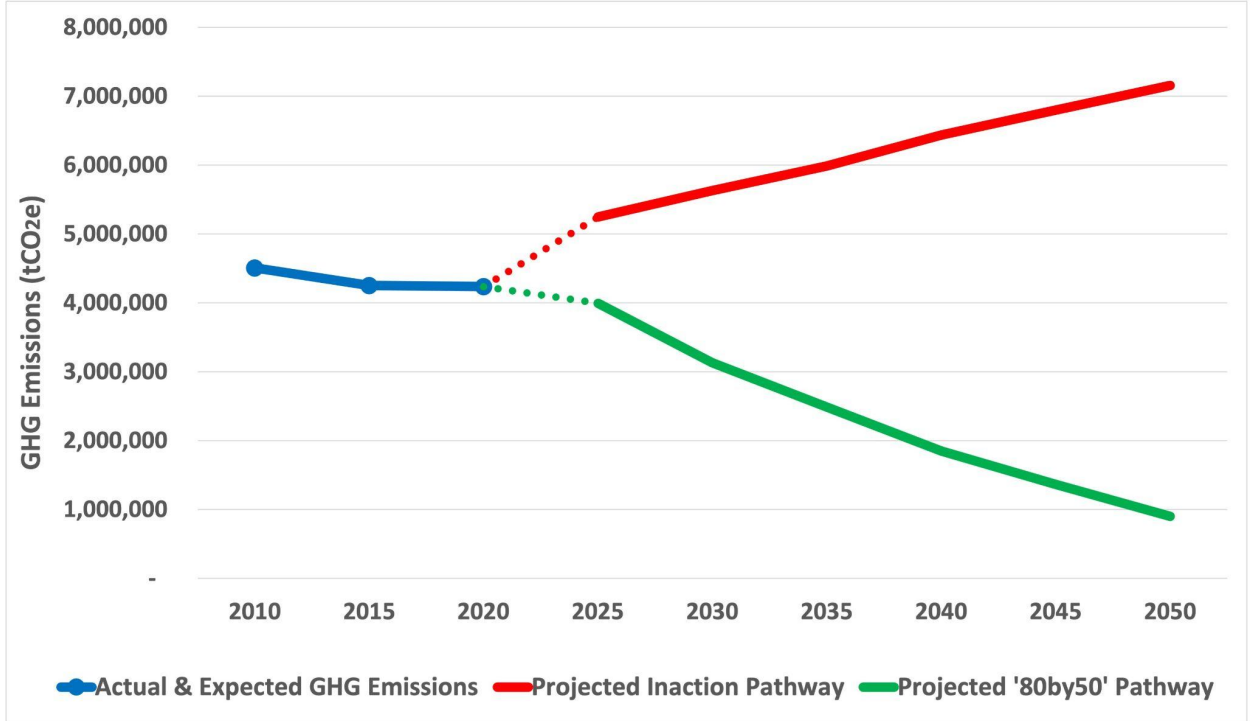




@SustainableWat





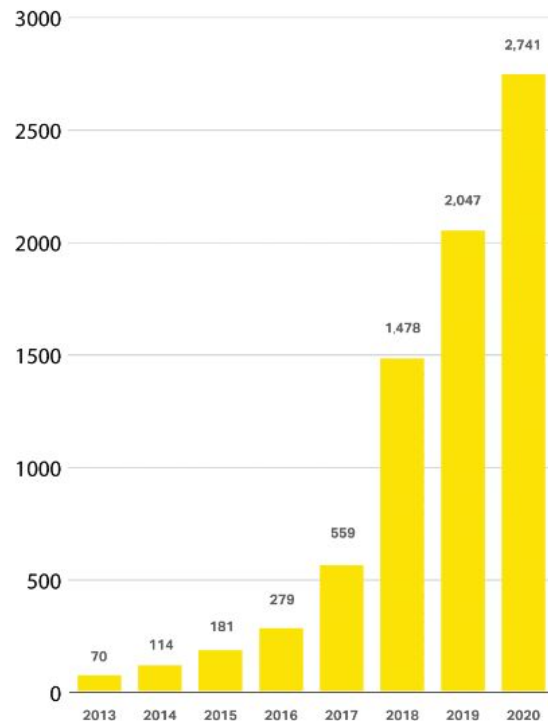


@SustainableWat

ChargeWR



Electric vehicles in Waterloo region

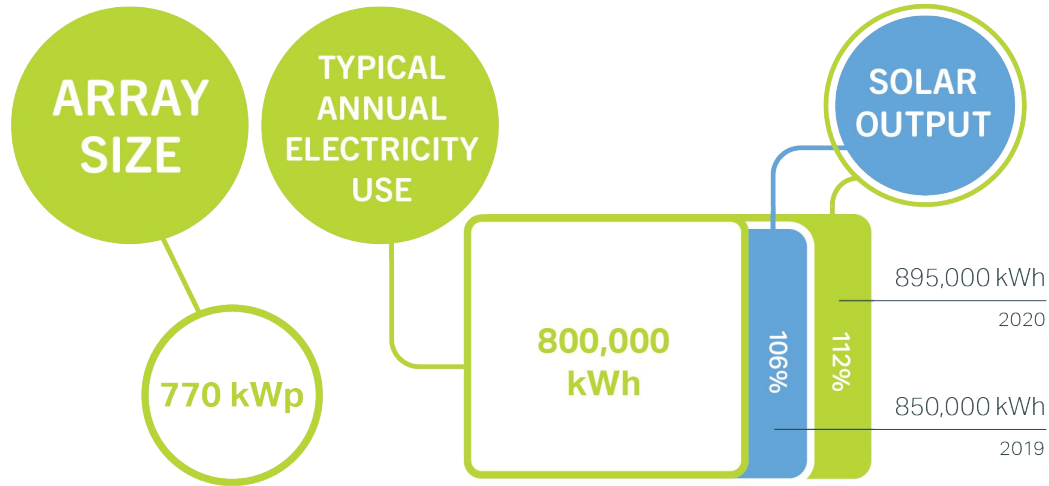




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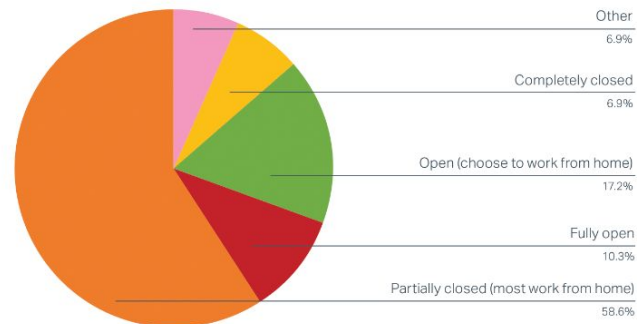
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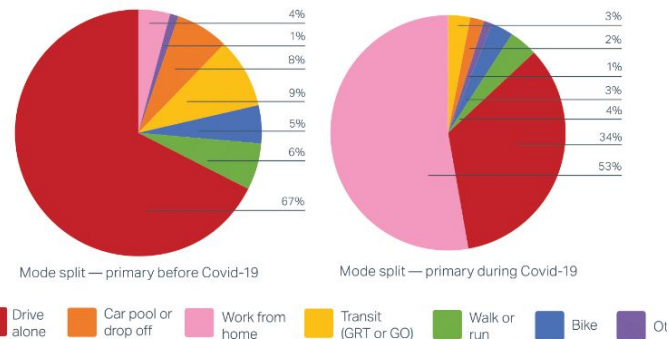




Worksite status during survey



Employee Travel Survey Results





Satisfaction with mode of transportation

Before COVID-19



During COVID-19

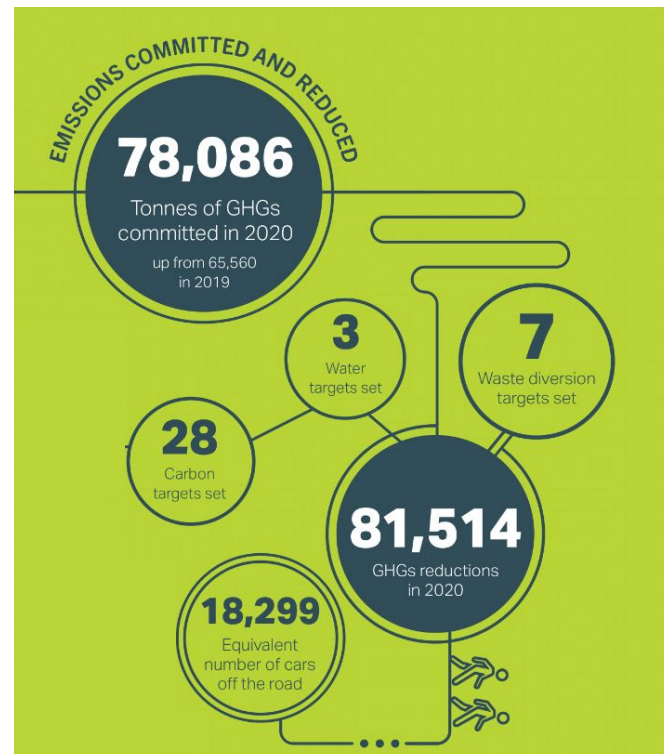


Very satisfied Satisfied Neutral Unsatisfied Very unsatisfied





Regional Sustainability Initiative







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sustainablewr.ca



@SustainableWat

