

The background features a central illustration of a blue and green Earth globe. To the left, a white line connects several circular icons: a solar panel, a yellow sun with leaves, and a person on a bicycle. To the right, there are clouds and a raindrop. The title is centered in a green box over the globe.

King Climate Action Plan

TOWNSHIP OF KING

2022



Climate Emergency

- ▶ In summer 2019 King Council declared a Climate Emergency
- ▶ To date, over 500 municipalities in Canada followed suit with Climate Emergencies citing the ongoing climate crisis and need to take action immediately
- ▶ One outcome of this declaration by council was the creation of a climate action plan.

Corporate Energy & Emission Achievements

Note-worthy energy accomplishments in the past.

- ▶ King Township streetlights switched from high energy-use street lights to LEDs.
 - ▶ Saving hundreds of thousands of kWh and thousands of dollars on energy.
- ▶ KTMC Geothermal System & Air Source Heat pumps, with BAS system to ensure efficiency.



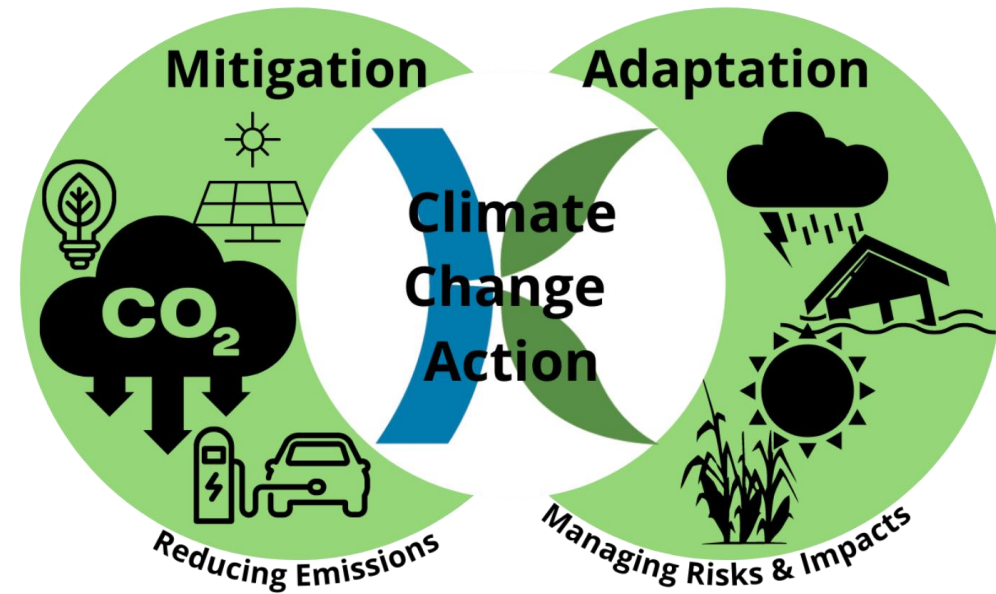
2019-2021

- ▶ Approval of a 45% reduction goal in Corporate emissions via the Corporate Energy Management Plan.
- ▶ King Townships first electric vehicles (2).
- ▶ Successful grant application to create and install a township wide electric vehicle charging network.
 - ▶ Fully operational Feb. 2022
- ▶ Undertook & completed a Net-zero cohort study to transition the Trisan Centre to net-zero over time.
- ▶ Sub-metering system installed on the KTMC.
- ▶ Purchase of a REAL Ice cold water system for Trisan Centre.
 - ▶ Expected to reduce facility emissions by ~12%.
- ▶ 2020 Energy reduction awards for King Township Firehalls.
- ▶ Lifecycle replacements of facility equipment with new energy efficient units (ex. Mercury lamp tubes to LED's)
- ▶ Creation of community climate plan: King Climate Action Plan

Executive Summary

- King is committed to decreasing our community carbon footprint to help fight the various impacts of climate change that we are expected to see in the coming years and decades. The Climate Action Plan contains goals, targets and actions to complete over time in order to move King to a low-carbon future.

King Climate Action Plan

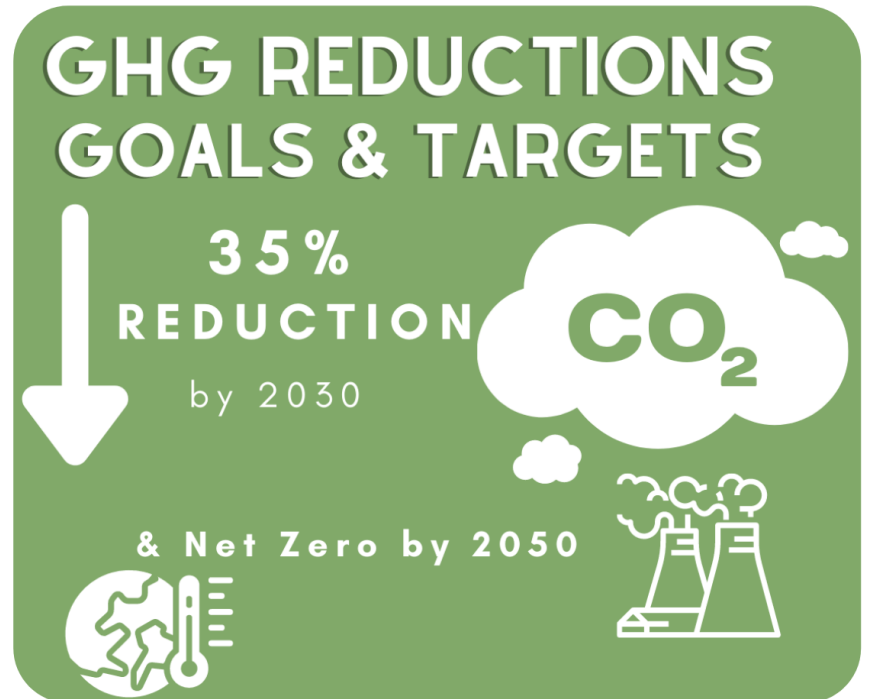


Executive Summary

The Plan is developed around the vision of a low carbon community that continues to encapsulate the rural cultural King we are today.

This vision will take us to 2050 but like any successful plan will require regular updates, monitoring, reporting, and changes as new actions, funding, and technology is presented.

- ▶ **Emissions Inventory**
- ▶ **Goals & Targets:**
- ▶ **Building Blocks & Actions- How to get there:**
- ▶ **King Climate Plan Building Block Priorities:**



Building Blocks to a Low Carbon Future

The Electric Revolution

- Support & Increase PHEV/BEV/Alternative Fuel Vehicles adoption by community members, businesses, and corporate fleets.



Our Natural Systems

- Increase, restore and protect natural environments, reduce emissions associated with agriculture and promote resilient land-use practices.



Sustainable Movement

- Promote & support the transition to sustainable transportation & movement within King and out.



Aligned King.

- King corporate alignment with climate change & a resilient King



Building Blocks to a Low Carbon Future

Idyllic Community of Low Carbon Communities.

- Transition King to a low carbon Net Zero community over time.



Tomorrows Energy & Infrastructure.

- Transition and implementation of local community-scale renewable energy.



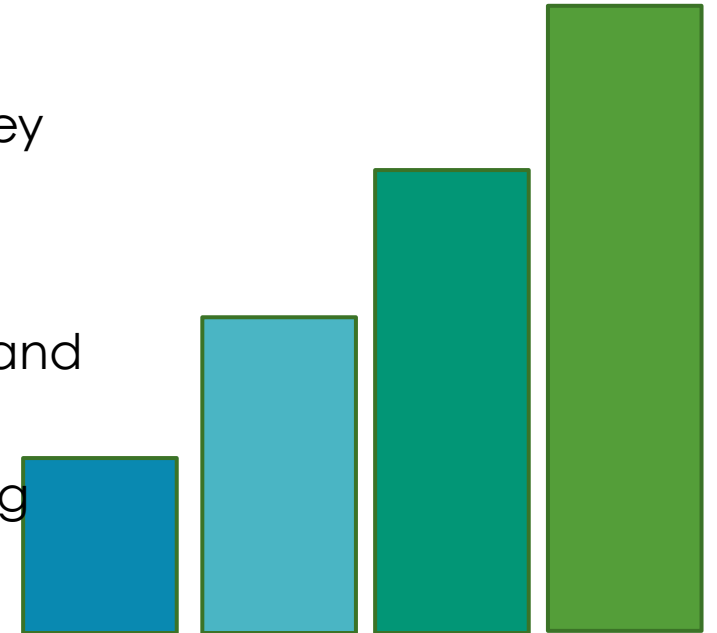
Local Empowerment & culture.

- Giving residents and members of King the community capacity to take individual climate action, respond to impacts, and build a culture around climate action.



What We Heard

- ▶ **90.1% of survey respondents are concerned about climate change and its impacts on King.**
- ▶ **91.4% of survey respondents feel that the actions of individuals can make a positive global impact on emissions reductions.**
- **294** survey respondents to online climate Change in King Survey
- **2** Public Virtual Open Houses with Q&A reaching **43** climate dedicated residents.
- Speaking King Engagement page with plan details, updates, and resources.
 - **540** users aware and **350+** users engaged on Speaking King project site.

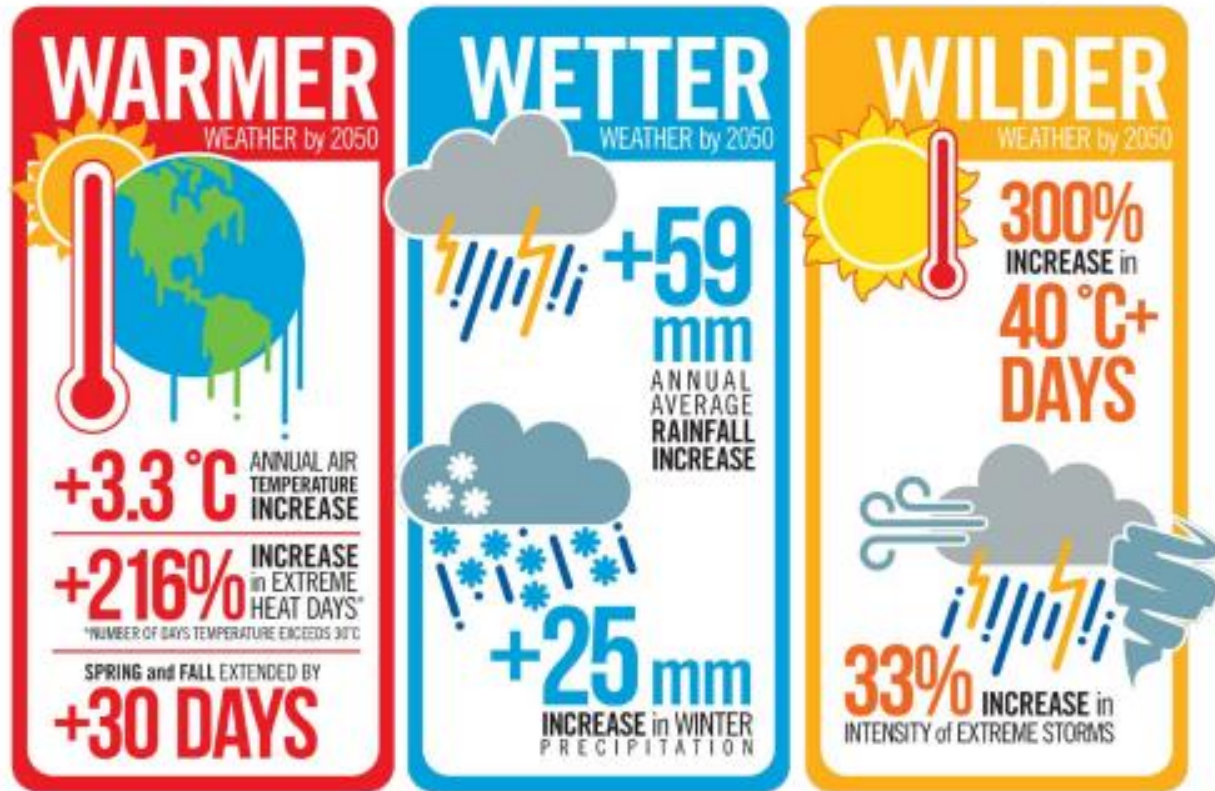


Highlights from Consultation

- **64%** of respondents households are willing and ready to take climate action
- **72%** of respondents stated their next vehicle would be an EV or PHEV
- **59%** of respondents want aggressive emissions targets in line with the IPCC, while 21% want targets in line with upper tier levels of government.



PREDICTED CLIMATE TRENDS for YORK REGION by 2050



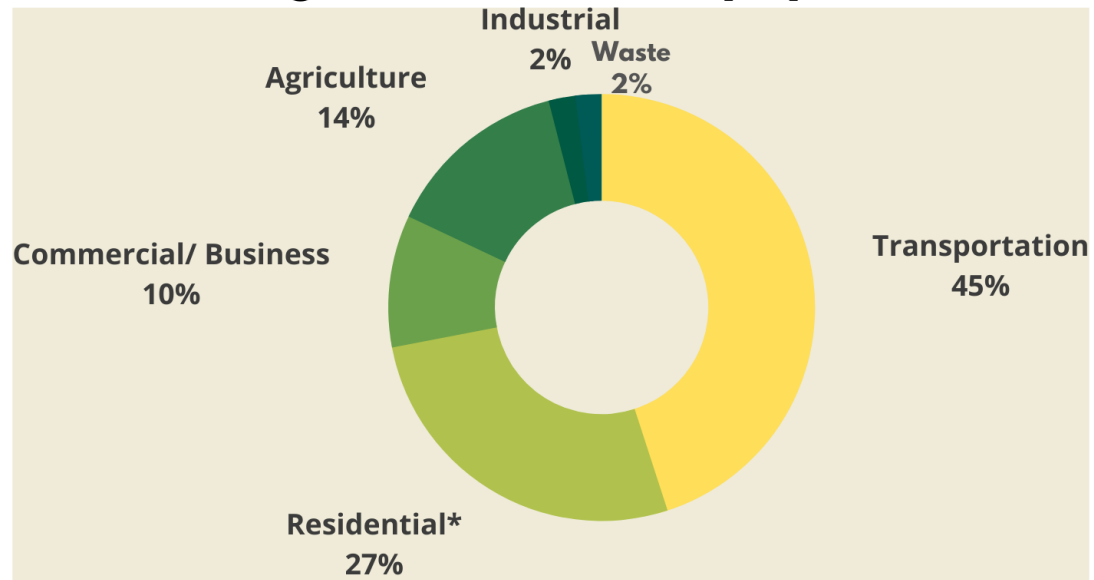
SOURCE: ONTARIO CLIMATE CONSORTIUM

A Changing Climate

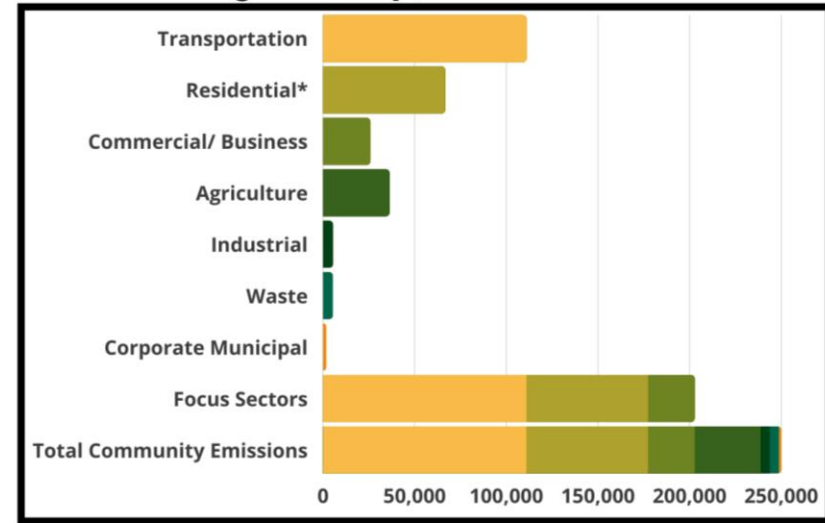


Emissions Inventory: Sectors, Summaries & The Road to 2050

King Emissions Summary by Sector

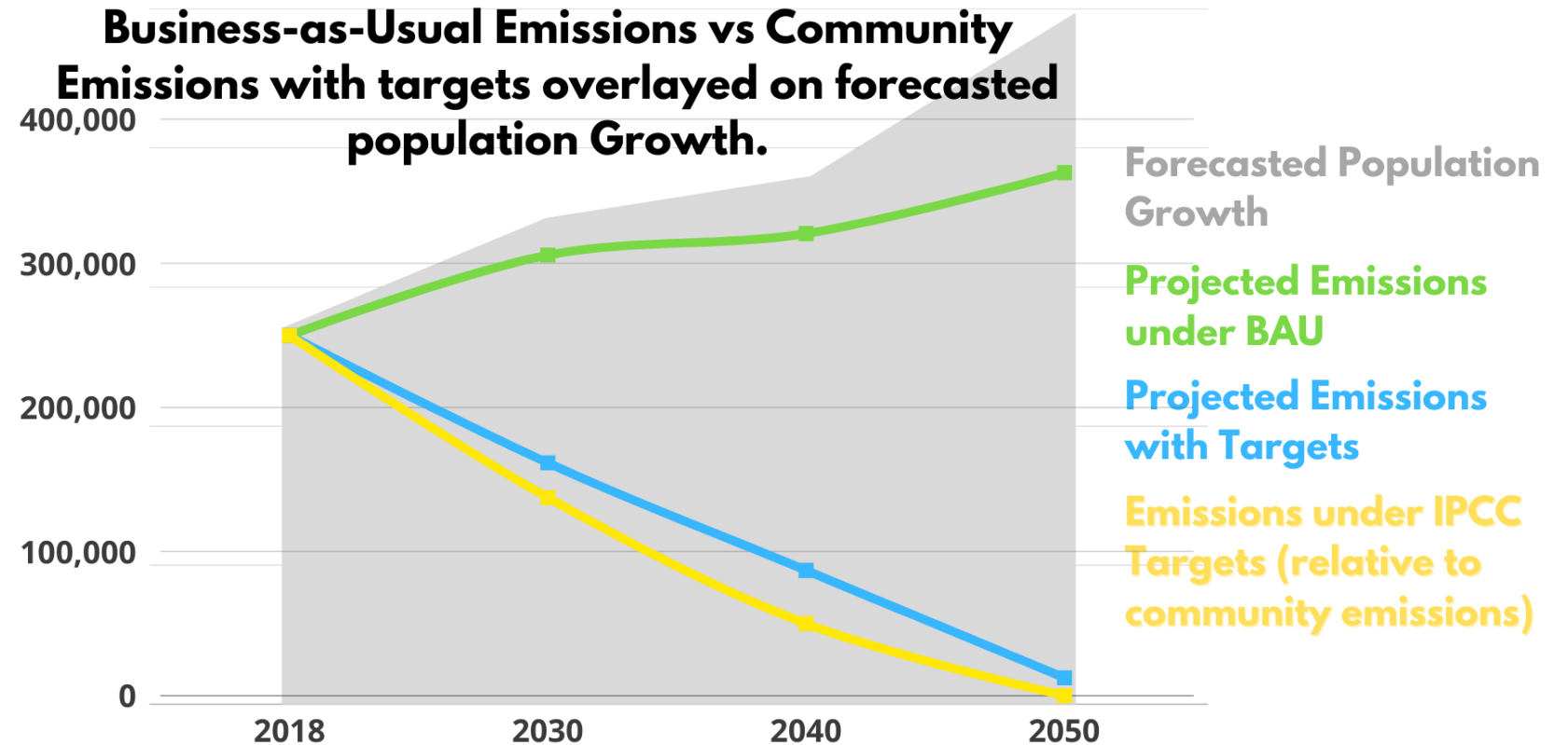


Sector-based emissions breakdown in tonnes of CO₂e emitted in King Township, 2018



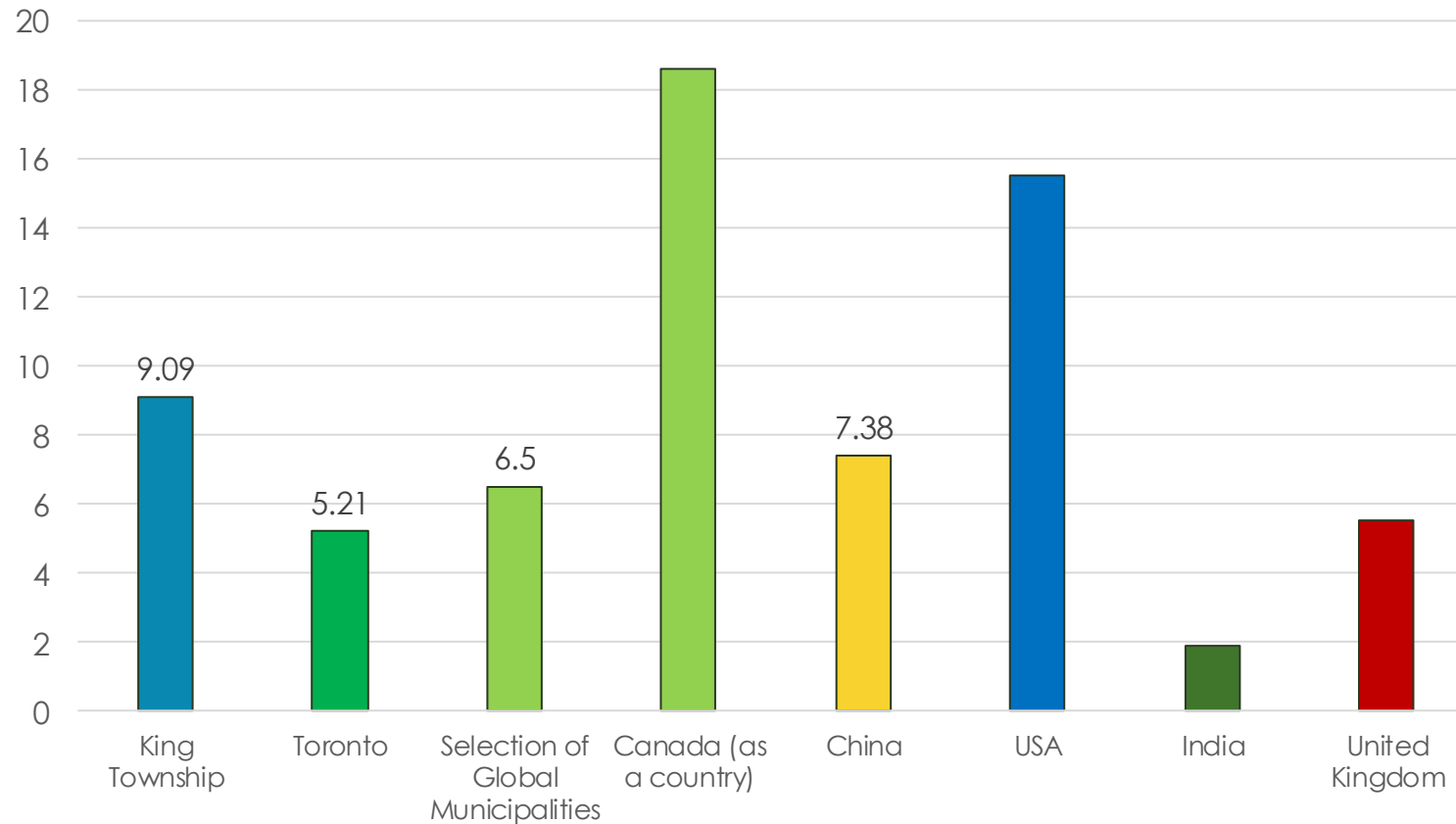
Emissions Inventory

Road to 2050



Comparing King to Neighbours & Abroad

CO₂e Emissions per capita:



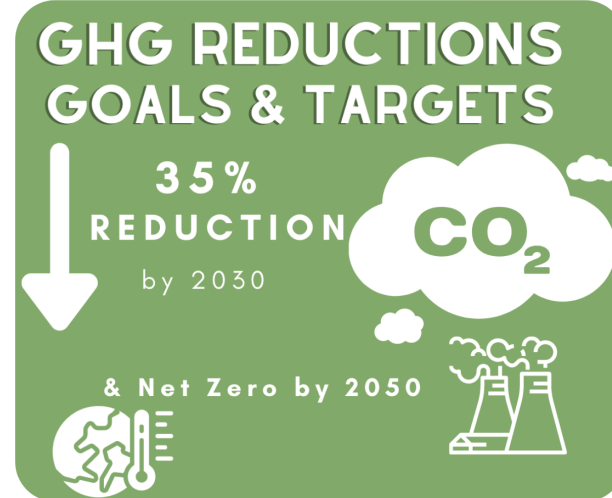
Community Goals & Targets

▶ 2030 Goal

- ▶ King Township will set a 35% community emissions reduction goal based on the data resulting from the 2018 community emissions inventory including current population statistics.

▶ 2050 Target

- ▶ King Township will set a Net Zero emissions community target by 2050.



Goals & Targets around Ontario & Abroad

Canadian Federal Government set a Net Zero target for 2050

Toronto set a net-zero target for 2040

York Region to be Net-zero by 2050

Hamilton to be Net-zero by 2050

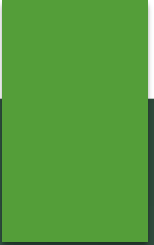
Caledon to be Net-zero by 2050

Dufferin County to be Net-Zero by 2050

Richmond Hill with a Net-zero target by 2050

Orangeville to target Net-zero by 2050

Among many other municipalities in Ontario, Canada and globally.



Implementation, Funding & Reporting

▶ Implementation

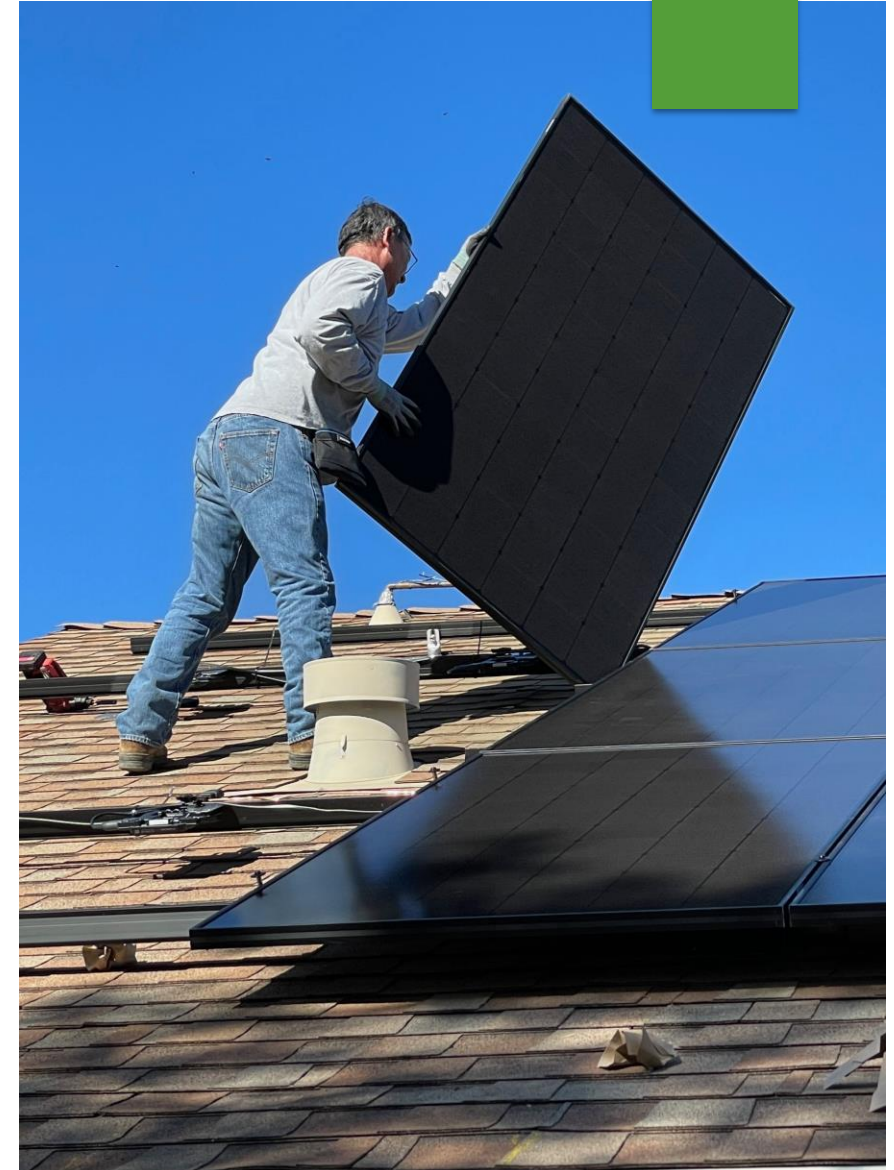
- ▶ Upon plan endorsement Staff will immediately begin implementation of short-term actions and look to receive funding where necessary.

▶ Funding

- ▶ It is recommended by staff that King requests a funding program in the 2022 budget process for actions and initiatives laid out in the plan for 2023 and beyond. This funding would give staff the resources needed to kickstart resource-intensive actions and provide in-lieu funding for outside grant applications requiring a contribution.

▶ Reporting

- ▶ King Township will regularly monitor and report on the progress of this plan, the development of actions, and reaching milestones, goals, and targets.



One Home


- ▶ We in King and Canada live in a one planet community. This is how many planets we in Canada behave like we have.



But this is what we have, one home, one planet.



We as Canadians need to reduce our carbon footprint by at least 80%



We don't need a handful of people taking climate action perfectly. We need millions of people doing it imperfectly.

Thank You
Climate Change Coordinator