CLIMATE ACTION WR

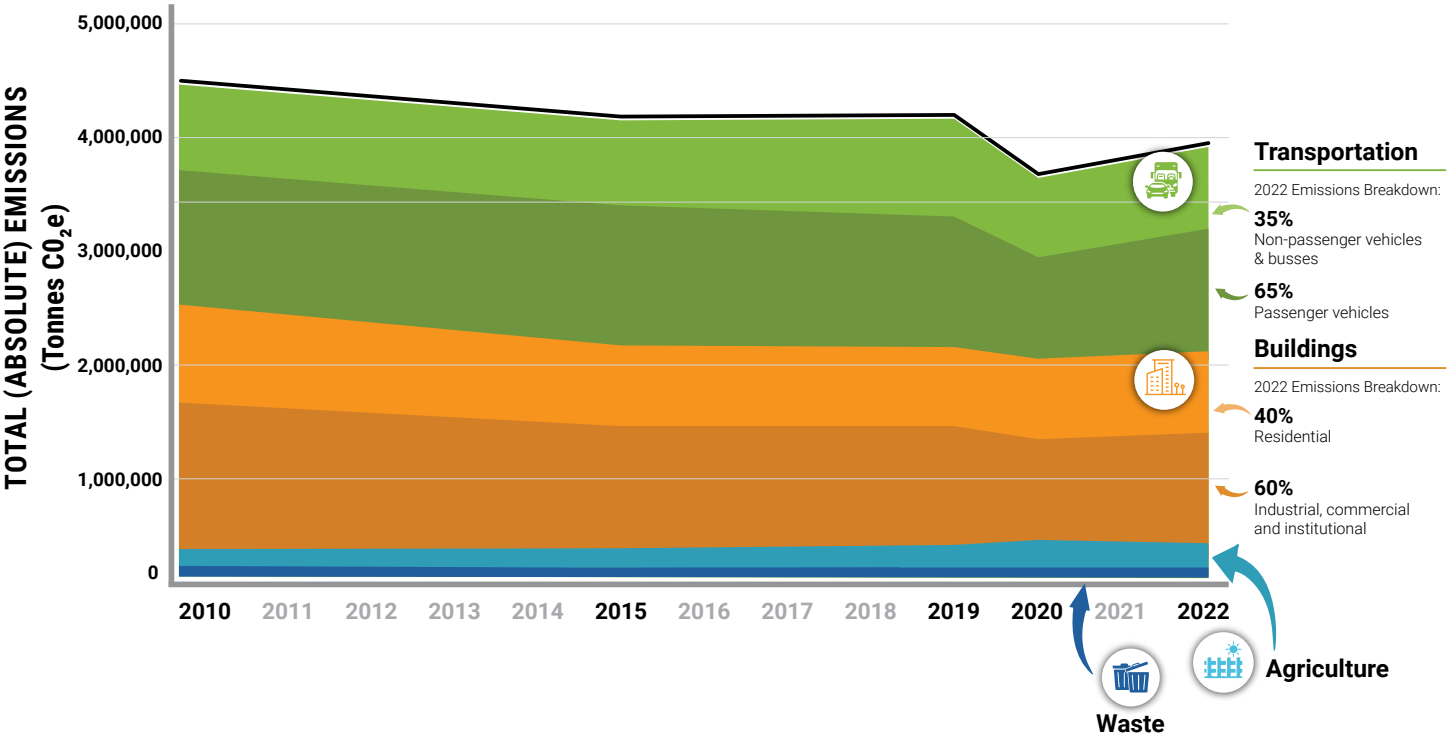
WATERLOO REGION COMMUNITY GREENHOUSE GAS INVENTORY

2022 SUMMARY REPORT

The ClimateActionWR collaborative is pleased to publish another community greenhouse gas (GHG) re-inventory report that helps us to understand the progress we have made towards our GHG emissions reduction targets.

We are now just 6 years away from our 2030 emissions target. Already, we are seeing the impacts of climate change on our community. Between now and 2030 is a crucial window of time to significantly reduce emissions and avoid the worst impacts of the climate crisis.

In 2022 we saw a **12% emissions reduction** (below 2010 levels). Although we are seeing some progress and sustained emissions reductions, **we are not on track** for our 50% emissions reduction target by 2030 (50by30). In order to reach the target, annual GHG emissions need to be reduced by approximately 1.72 million tonnes CO_2e.

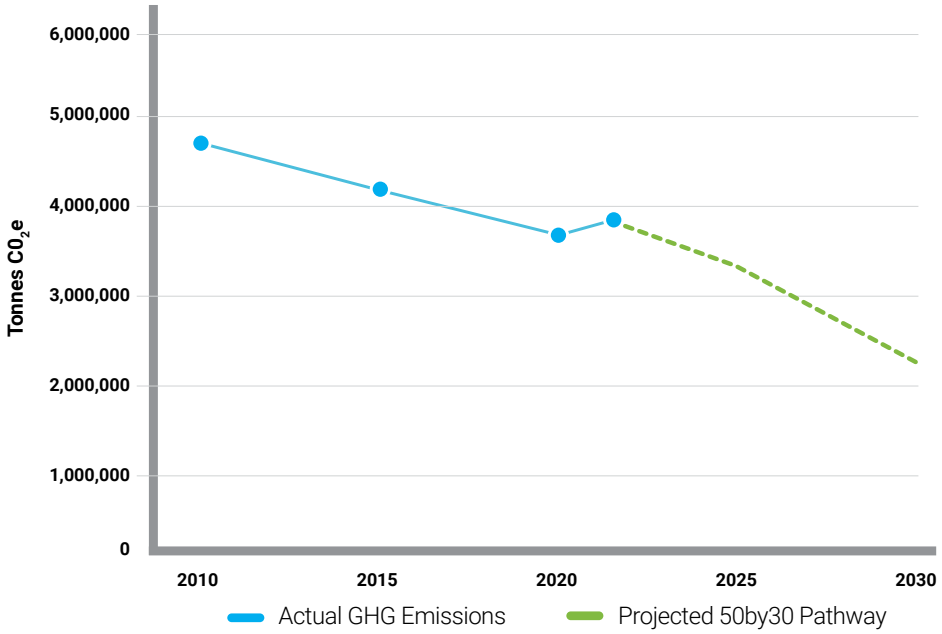


Transportation emissions remain our highest emitting sector. Passenger vehicles represent the highest proportion of these emissions. Our buildings, both industrial, commercial, institutional (ICI) and residential are the second and third highest emitting contributors respectively. We have started to see the effects of increased efficiency in transportation and buildings, but significant efforts are still required to reduce emissions from gasoline and natural gas.

OUR PATH TO 50BY30

To reach this goal we need to achieve an additional **38% emissions reduction between now and 2030**. This is equivalent to reductions of **approximately 215,000 tonnes per year**.

Below are just a few of the areas where we need to enact supportive policies and initiate programs and incentives to accelerate decarbonization in our top emitting sectors.



Waterloo Region's GHG Reduction Pathways to achieve an interim target of 50% GHG emission reduction by 2030 (based on 2010 levels).

TRANSPORTATION

1. Drive less with robust public transportation options and safe active transportation networks.
2. Electrification of passenger vehicles both at home and at work.
3. Electrification (where possible) in non-passenger fleet vehicles and equipment.

BUILDINGS

1. Use less energy by making improvements to building envelopes and use energy more efficiently by optimizing heating and cooling systems.
2. Promote widespread adoption of fuel switching technologies such as heat pumps for water and space heating (and cooling).

Read the full report, visit climateactionwr.ca

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