



---

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



Over **1,600** community members contributed to this strategy through:

- 36 Event booths
- 5 Workshops
- 11 Focus groups
- 50+ Interviews
- 460 Survey respondents

Over **100** technical experts contributed to this strategy, including:

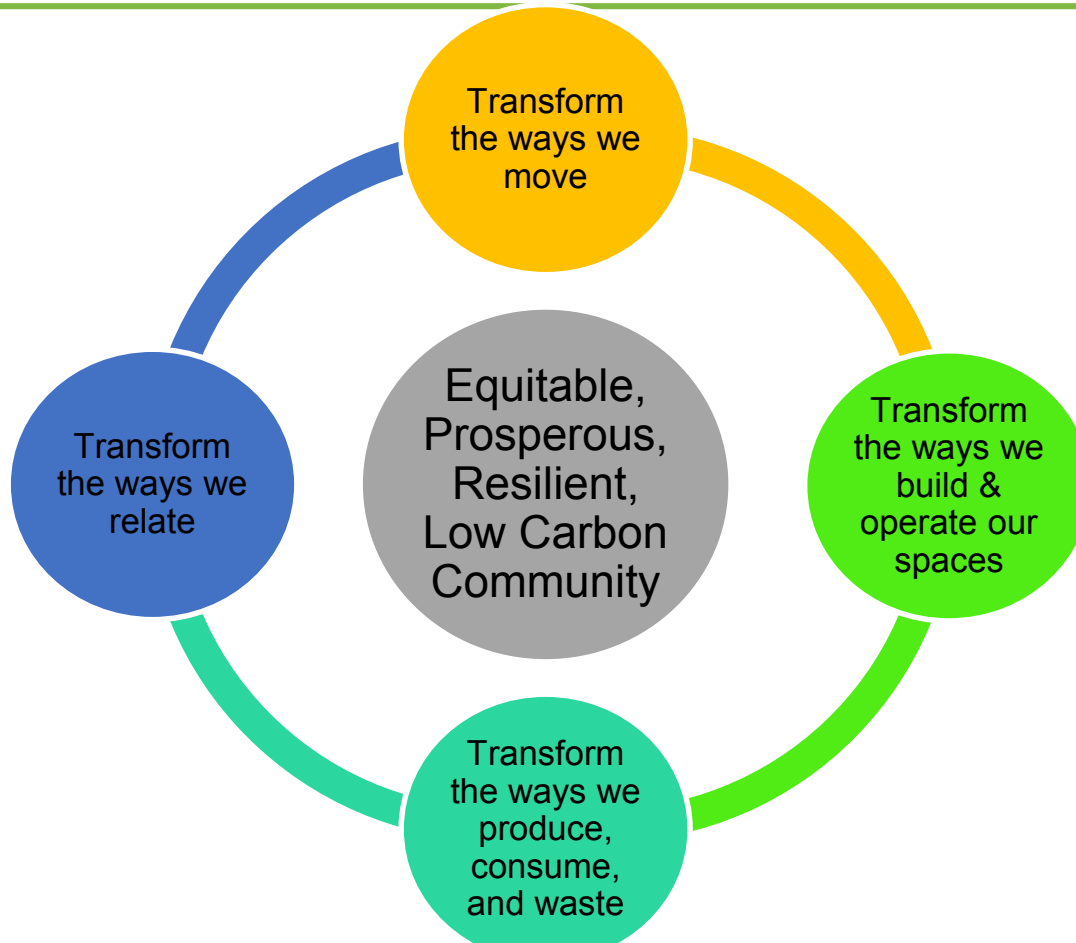
- Engineers
- Architects
- Technical Solution Providers
- Utilities
- Local Municipalities
- External Municipalities
- Universities and Colleges
- Association of Energy Engineers
- External Community Technical Groups
- Community Technical Leaders



## SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <b>1</b> NO POVERTY<br>                  | <b>2</b> ZERO HUNGER<br>                     | <b>3</b> GOOD HEALTH AND WELL-BEING<br>              | <b>4</b> QUALITY EDUCATION<br>                       | <b>5</b> GENDER EQUALITY<br>                     | <b>6</b> CLEAN WATER AND SANITATION<br>              |
| <b>7</b> AFFORDABLE AND CLEAN ENERGY<br> | <b>8</b> DECENT WORK AND ECONOMIC GROWTH<br> | <b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE<br> | <b>10</b> REDUCED INEQUALITIES<br>                   | <b>11</b> SUSTAINABLE CITIES AND COMMUNITIES<br> | <b>12</b> RESPONSIBLE CONSUMPTION AND PRODUCTION<br> |
| <b>13</b> CLIMATE ACTION<br>             | <b>14</b> LIFE BELOW WATER<br>               | <b>15</b> LIFE ON LAND<br>                           | <b>16</b> PEACE, JUSTICE AND STRONG INSTITUTIONS<br> | <b>17</b> PARTNERSHIPS FOR THE GOALS<br>         | <br><b>SUSTAINABLE DEVELOPMENT GOALS</b>             |



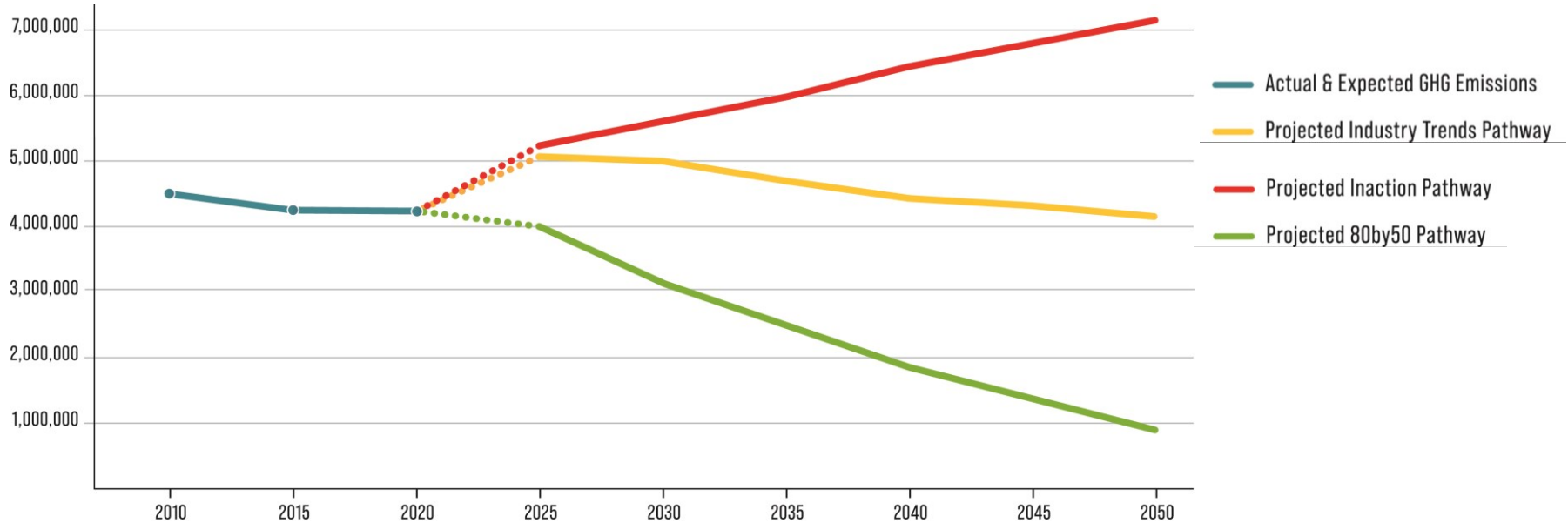


Figure: *Trajectory to achieve an 80% GHG emissions reduction (from 2010 levels) by 2050*

- 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.

### 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.
  - Implement policies to prioritize active transit in road and trail designs.
  
- Make existing and new communities “complete communities”:
  - Implement design standards for new developments to build for active transit to be the primary mode of travel.



## **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:
  - 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.**

## **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.
  - Create a one-window service to support energy-related 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 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.**

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

- Protect agricultural land and the local agricultural system
- Adopt low GHG emission diets:
  - Provide a variety of low GHG food options and plant-based dining options at catered events.



## 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:
  - Evaluate how to identify and protect optimal areas for industrial-scale renewable energy generation.
- Coordinate advocacy to senior levels of government.



# QUESTIONS?

