

# Climate Change - Mapping Actions in Hamilton

Brian Montgomery – Clean Air Hamilton

Deirdre Connell – Green Venture

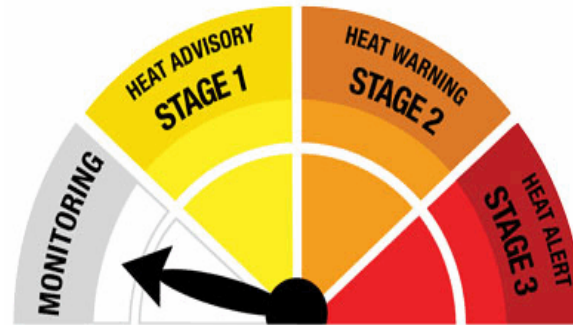


<http://climatechangehamilton.ca>



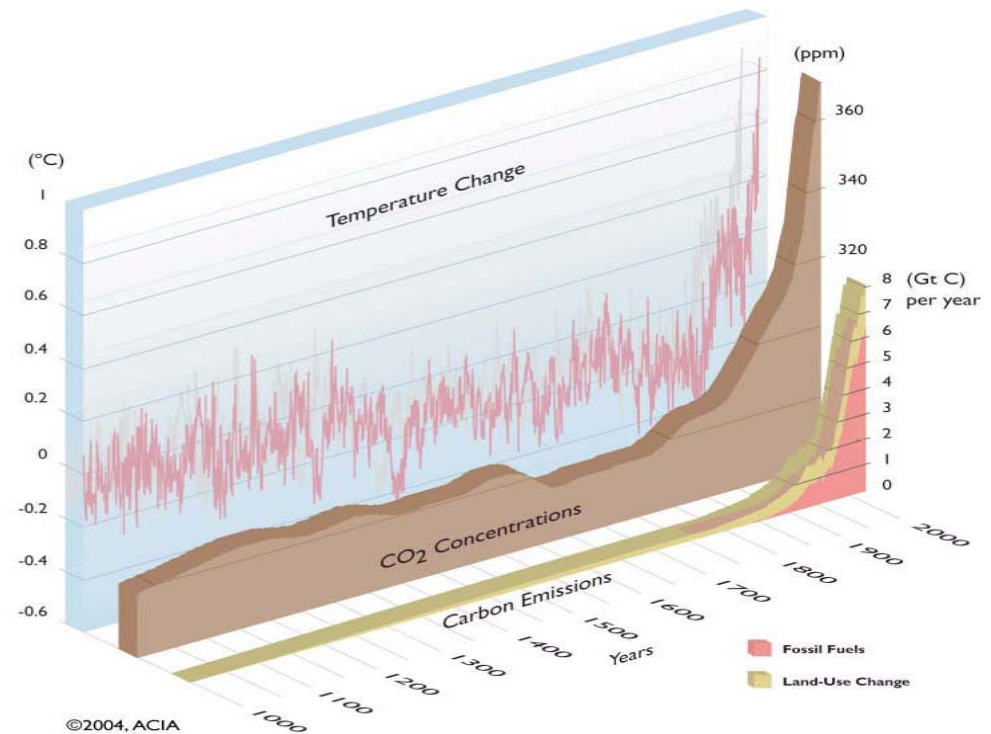
# Climate Change

- Changes in the climate or long-term, average weather patterns.



## Key Greenhouse Gases (GHGs)

- Carbon Dioxide (CO<sub>2</sub>)
- Methane (CH<sub>4</sub>)
- Nitrous Oxide (N<sub>2</sub>O)
- Hydrofluorocarbons (HFC's)
- Perfluorocarbons (PFC's)
- Sulfur Hexafluoride (SF<sub>6</sub>)
- Nitrogen Trifluoride (NF<sub>3</sub>)



## Municipalities & Climate Change

- **Cities and citizens are the drivers of action on addressing climate change.**
- **Climate change poses risks for cities and citizens.**
- **Successful cities recognize the synergy between economic growth and climate change is strongest at the local level.**

[www.hamilton.ca/climatechange](http://www.hamilton.ca/climatechange)

# Hamilton Timeline

- **2008 – Corporate Climate Change Strategic Plan**
- **2009 – GHG Inventory – Corporate and Community**
- **Reduction Targets: 10% by 2012, 20% by 2020**
- **Baseline: City - 2005, Community - 2006**
- **2009 – Climate Change Action Month**
  - Every October - Highlight community actions
- **2009 – Hamilton Climate Change Champions**
- **2010 – Taking Stock Discussion Paper**
  - Engage community in discussion and actions



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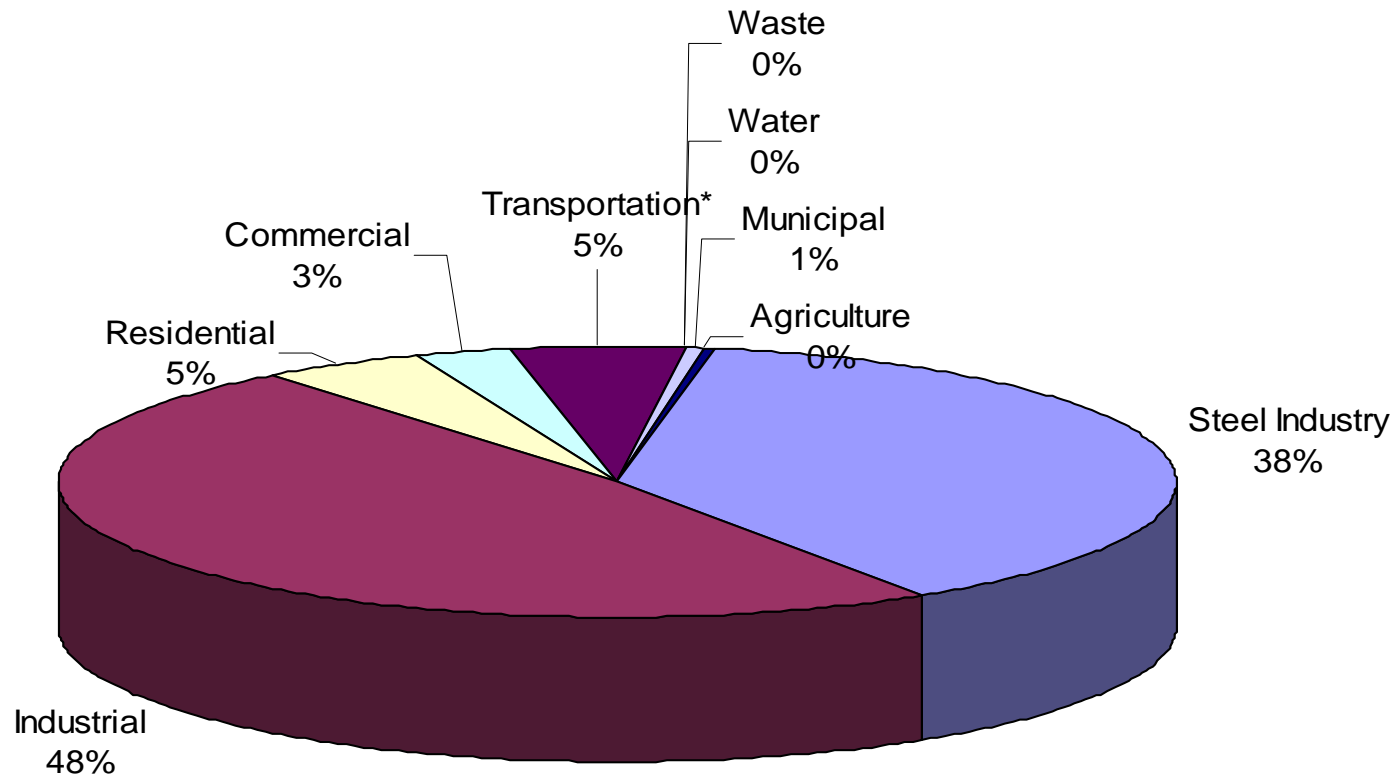
# Hamilton Timeline

- **2011 – WWF Recognition (6<sup>th</sup> place), Climate Town Hall**
- **2011 – Hamilton Community Climate Change Charter**
  - **Hamilton became first municipality in Ontario with a Charter**
- **2012 – FCM PCP Award for Milestones 3 & 4**
- **2013 – FCM PCP Award Milestone 5**
- **2013 – Hamilton Carbon Map**

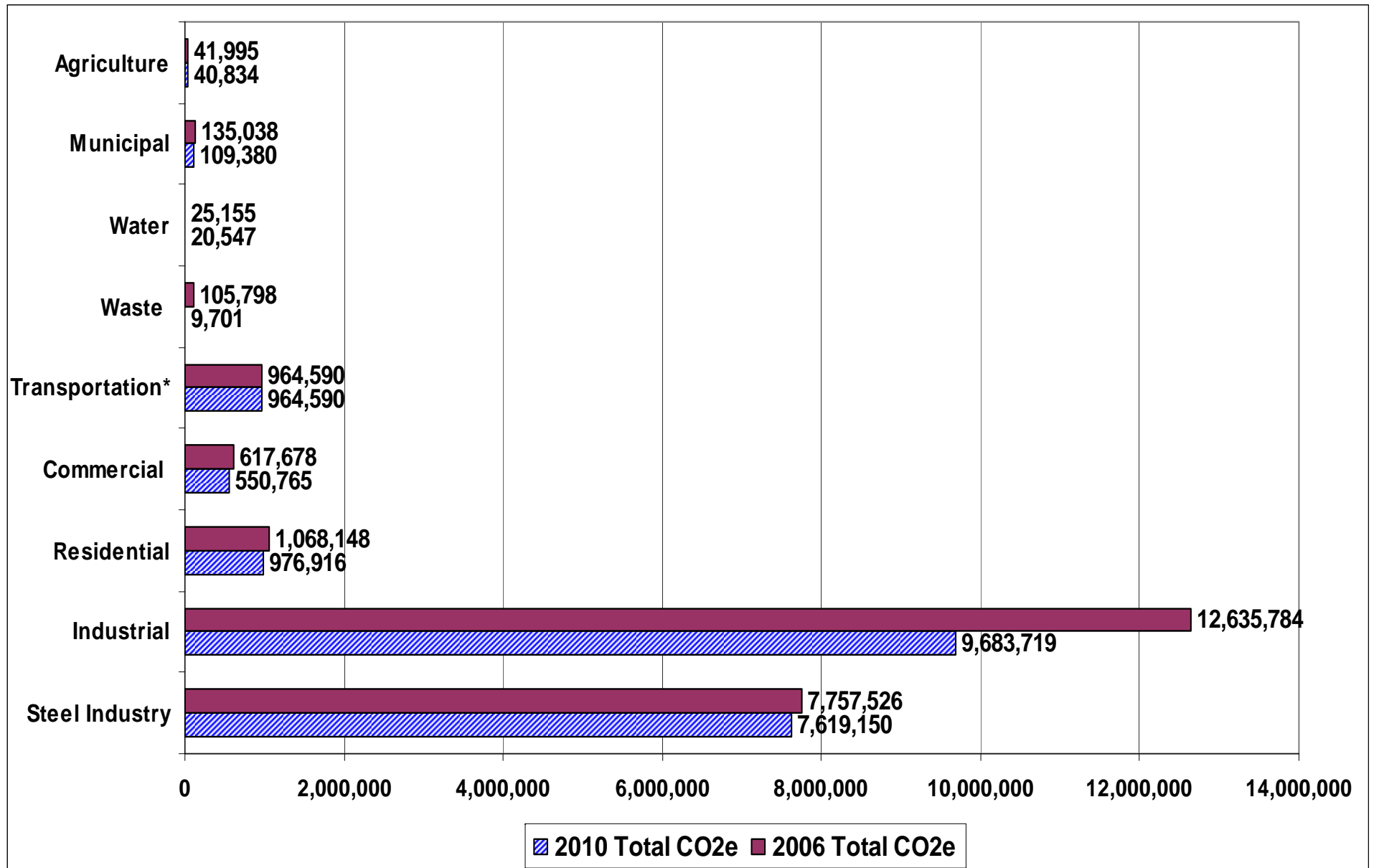
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# Total Greenhouse Gas Emissions Corporate and Community (2010) = 12,891,371 M tonnes (14.5% reduction from 2006)



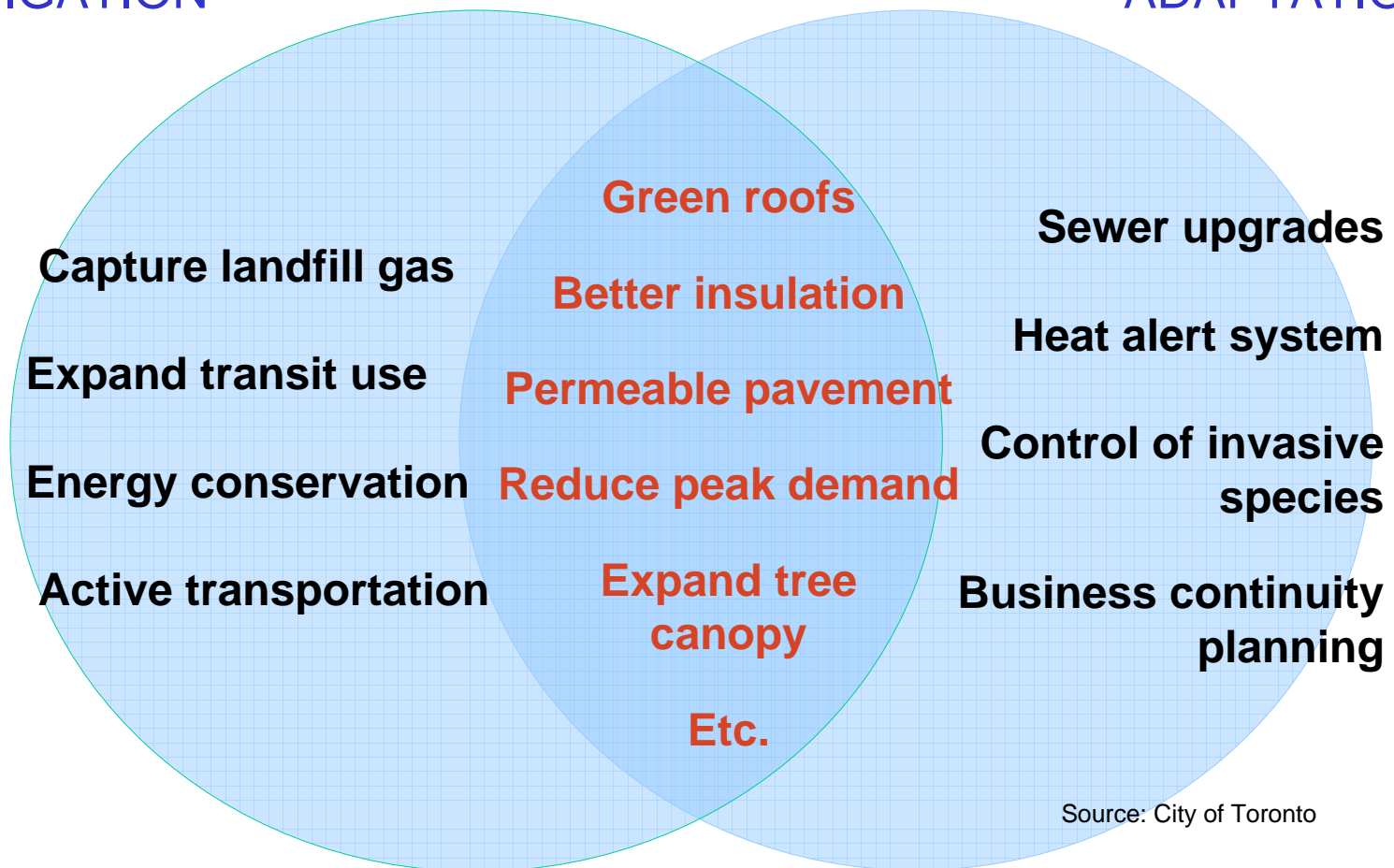
# Community Emissions Changes 2006-2010



# GHG Mitigation and Adaptation Together

MITIGATION

ADAPTATION



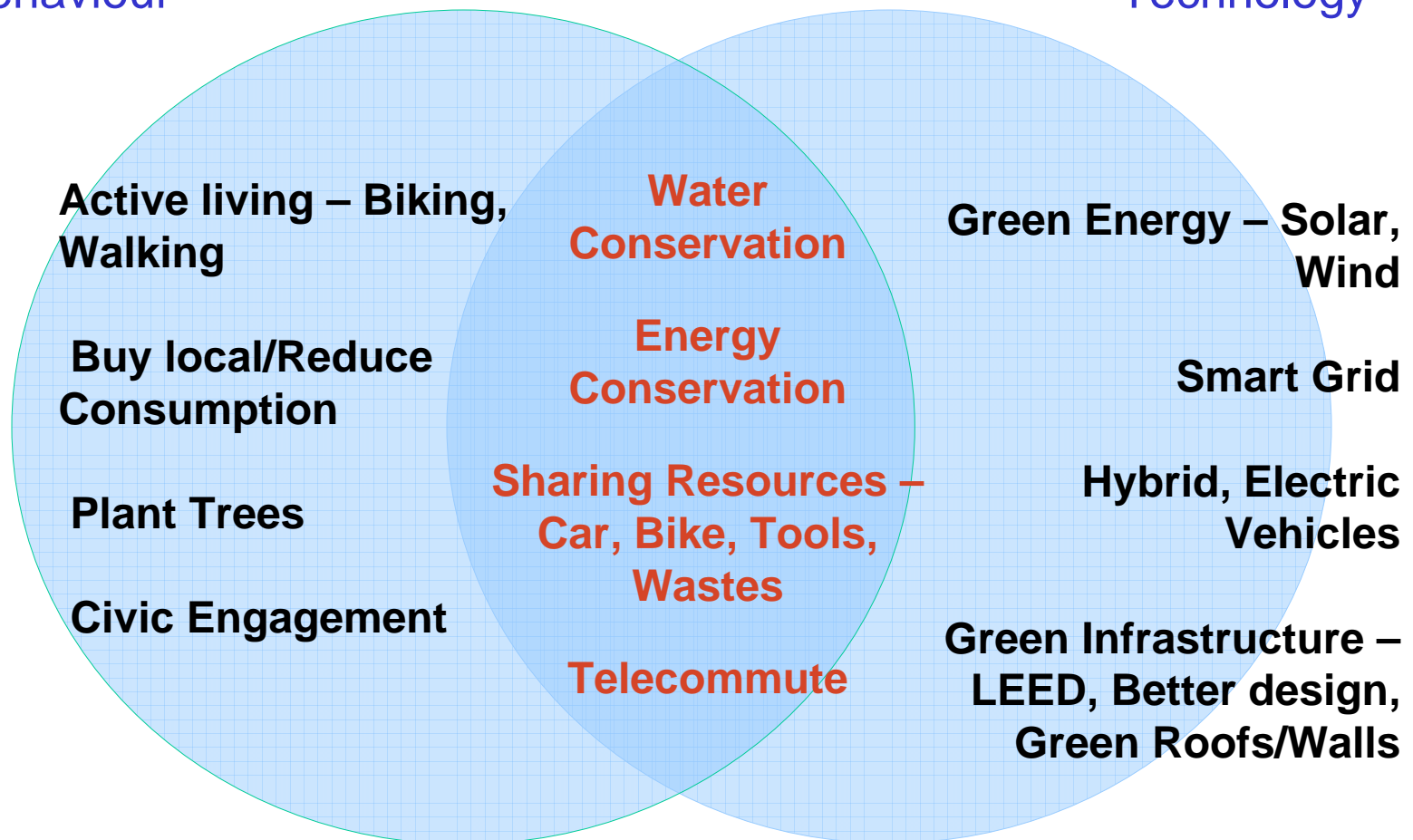
Source: City of Toronto



# Behaviour and Technology Together

Behaviour

Technology



# What is a Climate Action Charter?

A published text which provides for

- **Agreement that there is a need for action because of the impacts of Climate Change**
- **Commitment to take action**
  - to measure baseline GHG as a starting point
  - to take action to reduce
  - to continue to measure
  - to report annually
- **Use by individual citizens and organizations and businesses of all types and sizes**
- **Voluntary commitment to engagement**



Online <http://climatechangehamilton.ca>

# Charter Signatories

**City of Hamilton, Mohawk College, McMaster University, Hamilton Conservation Authority, Hamilton District Labour Council, Hamilton-Wentworth District School Board, Hamilton Area Steelworkers, Union Gas, Blue Green Canada, Congress of Union Retirees of Canada, Hamilton 350, Clean Air Hamilton, North End Neighbours, St. James's Anglican Church, First Unitarian Church of Hamilton, Hamilton CarShare, Environment Hamilton, Green Venture, Sustainable Hamilton, Green Party – Hamilton Centre, Council of Canadians – Hamilton, Dundas in Transition, Greening Marketing Inc., Lura Consulting, REfficient Inc, ManoRun Organic Farm, McKibbon Wakefield Inc, Corr Research, the Hammer Active Alternative Transportation, Creating Healthy and Sustainable Environments, Eco Churches of West Hamilton, Hamilton/Burlington KAIROS, MacGreen, Beasley Neighbourhood, Royal Botanical Gardens, Discovery Rib Centre, Horizon Utilities, Bay Area Restoration Council....**

**Online and Facebook -**

**<http://climatechangehamilton.ca>**

# Engagement & Visuals





# Hamilton Community Action Map



**Put your actions on the Map!**

[www.mapclimatechange.ca](http://www.mapclimatechange.ca)