

HAMILTON'S PROGRESS: UPDATED TIMELINES AND S.M.A.R.T CLIMATE ACTION

General Issues Committee

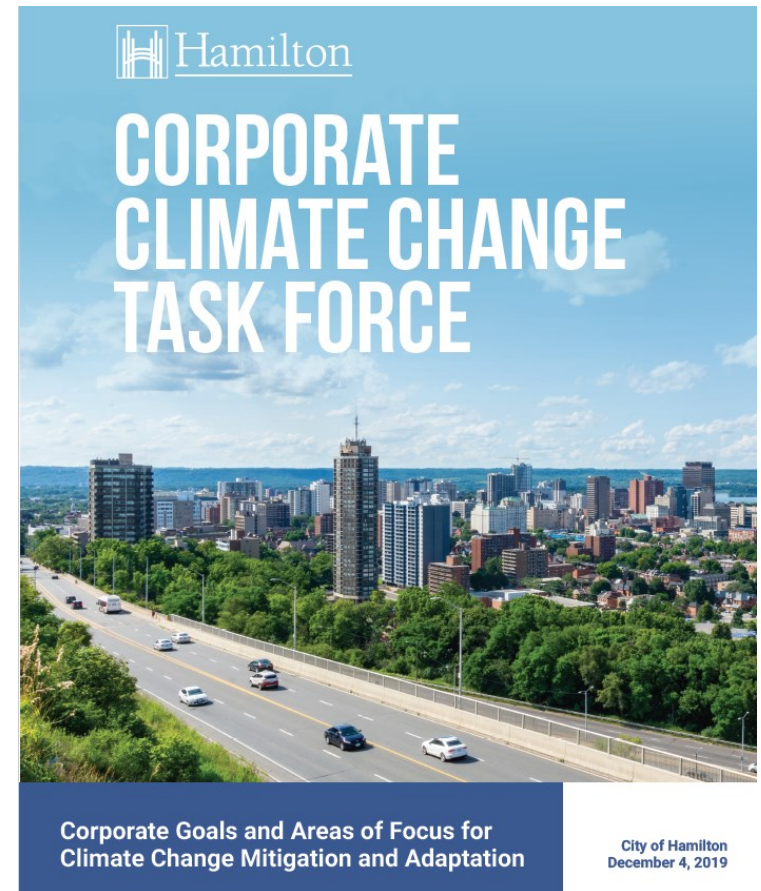
November 4, 2020

Background

- Centralize climate change reporting across the corporation
- Prioritize goals and areas of focus for climate mitigation and adaptation

Council Direction:

- Staff report on progress commencing November 2020
- Goals and actions that are specific, measurable, attainable, realistic and time-bound



Snapshot Climate Change Progress 2020



Buildings:

- Westmount Solar Thermal Pilot Project
- Retrofitted 6 pump stations and 2 outstations high efficiency motors
- Police Building LEED certified



Active Transportation:

- 675m of trail constructed across the city
- Shoreline protection to improve Waterfront Trail
- COVID-19 Recovery Phase Mobility Plan
- Installed 11 km of bike lanes

Low Emission Vehicles:

- 2 all electric Kia Souls
- Zero emission litter picker
- Green Fleet Policy underway



Planning:

- Energy and Environmental Assessment Report for new development drafted
- Community Energy Plan
- Meteorological data collection to inform infrastructure planning

Snapshot Climate Change Progress 2020



Natural Environment:

- Flamborough Park wetland restoration project
- Planted 6,500 large caliper trees efficiency motors
- 50 million tree program planting 4,800 bare root seedlings



Climate Resiliency:

- Waterfront trail elevation project
- Shoreline projection Confederation Park
- Beginning IDF curve evaluation



Diversity, Health, Inclusion:

- Municipal-Indigenous Relationship Building
- Neighbourhood engagement meetings



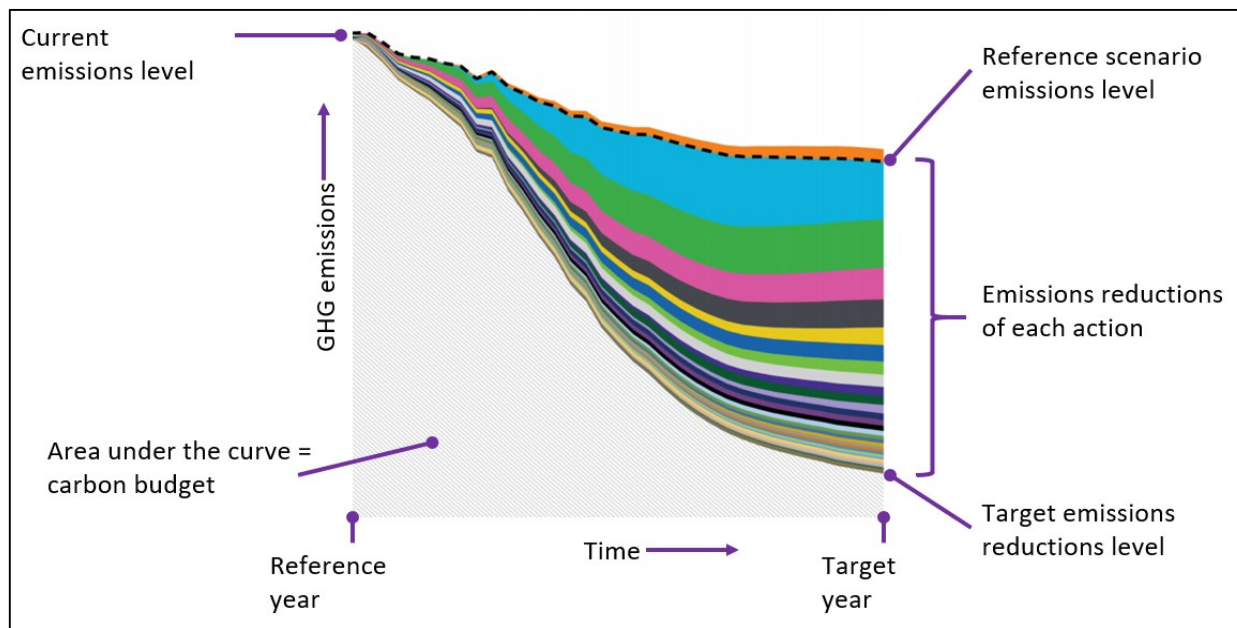
Education & Awareness:

- Global GHG emission reporting
- North End Neighbourhood online climate webinars
- Homeowner energy retrofit online workshops
- Empowering parking to enforce anti-idling by-law

S.M.A.R.T Climate Action

Community Energy Plan (Mitigation)

- Low carbon scenario planning to create detailed road map
- Prioritize of actions via GHG emissions and financial costs
- Broad community-base stakeholder advisory committee and consultations
- Expected to be complete Q2 2021

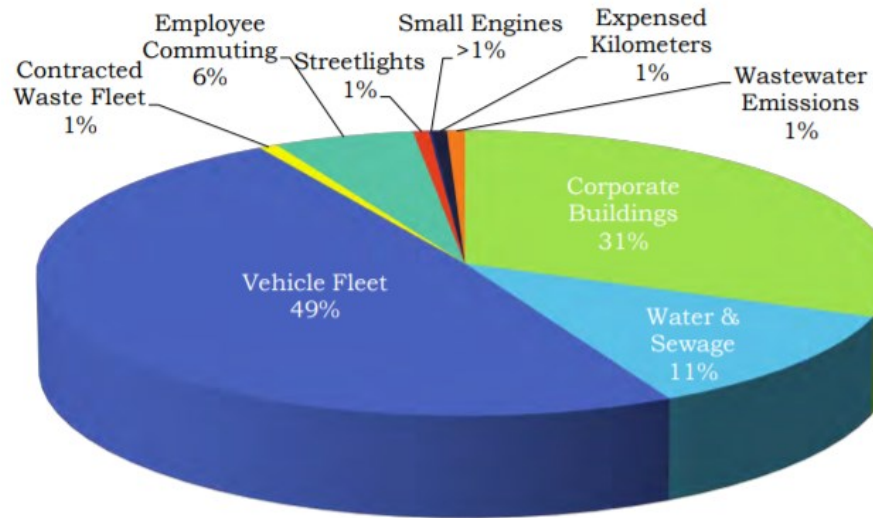


S.M.A.R.T Climate Action

Corporate Energy Policy (Mitigation)

- Corporate mitigation plan to achieve specific GHG reduction goals
- Measure's and tracks GHG and several other energy indicators
- Created in 2008 with progress to reporting date (2018) of 43% GHG reduction
- Policy update expected Q4 2020

Figure 17: 2018 Percent Tonnes CO₂e of Total by Sector

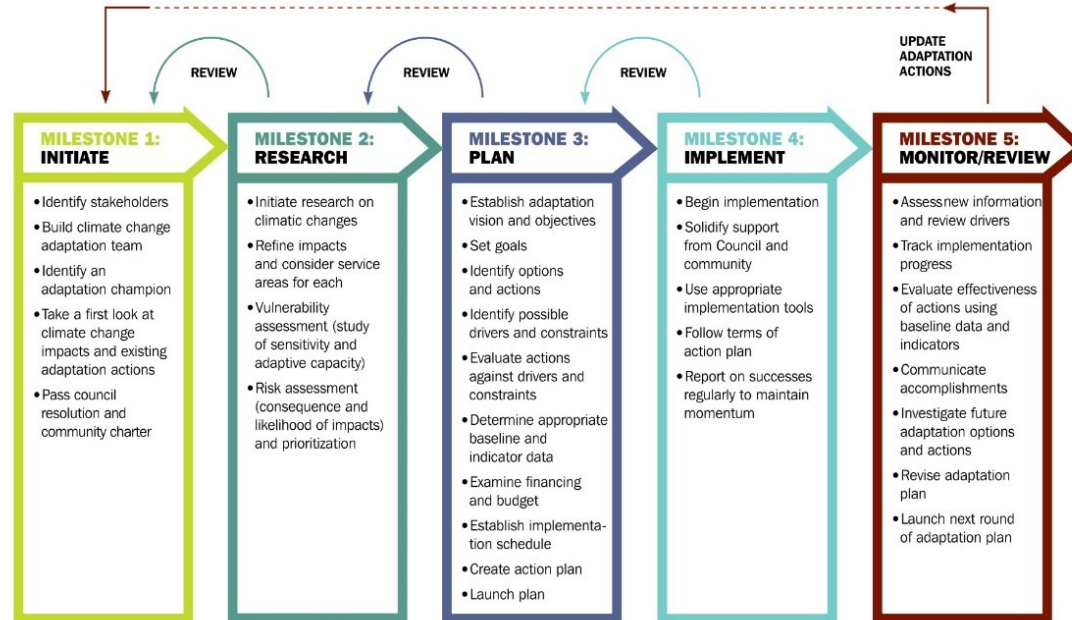


City of Hamilton. (2019). 2019 Annual Energy Report. Retrieved from:
<https://www.hamilton.ca/sites/default/files/media/browser/2020-08-11/2019-annual-energy-report.pdf>

S.M.A.R.T Climate Action

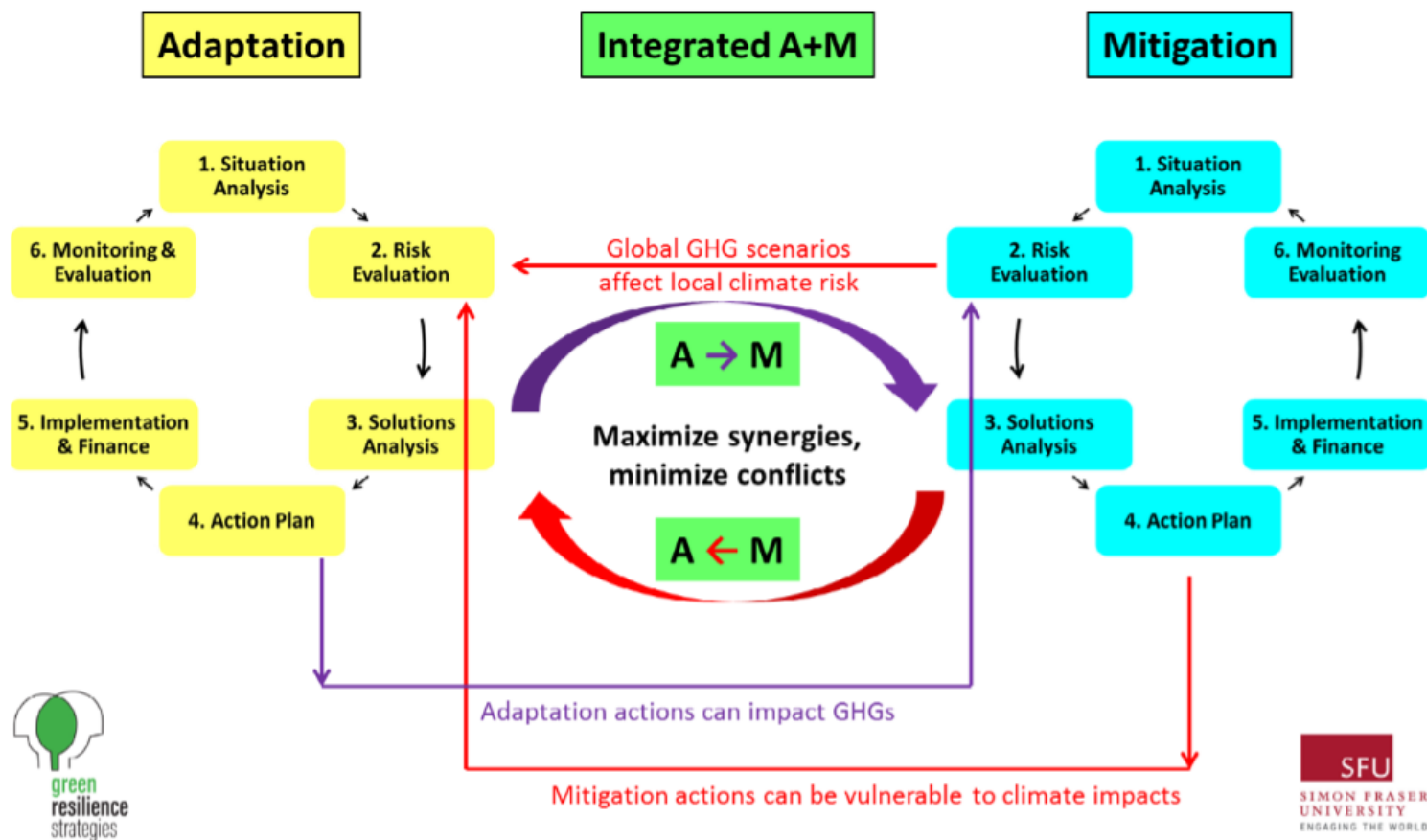
Climate Adaptation Plan (Adaptation):

- Nationally endorsed ICLEI Canada Adaptation Framework
- Scientific climate projections, data collection and indicator development
- Climate risk statements previously developed and past experience
- Adaptation Plan expected to be complete Q4 2021



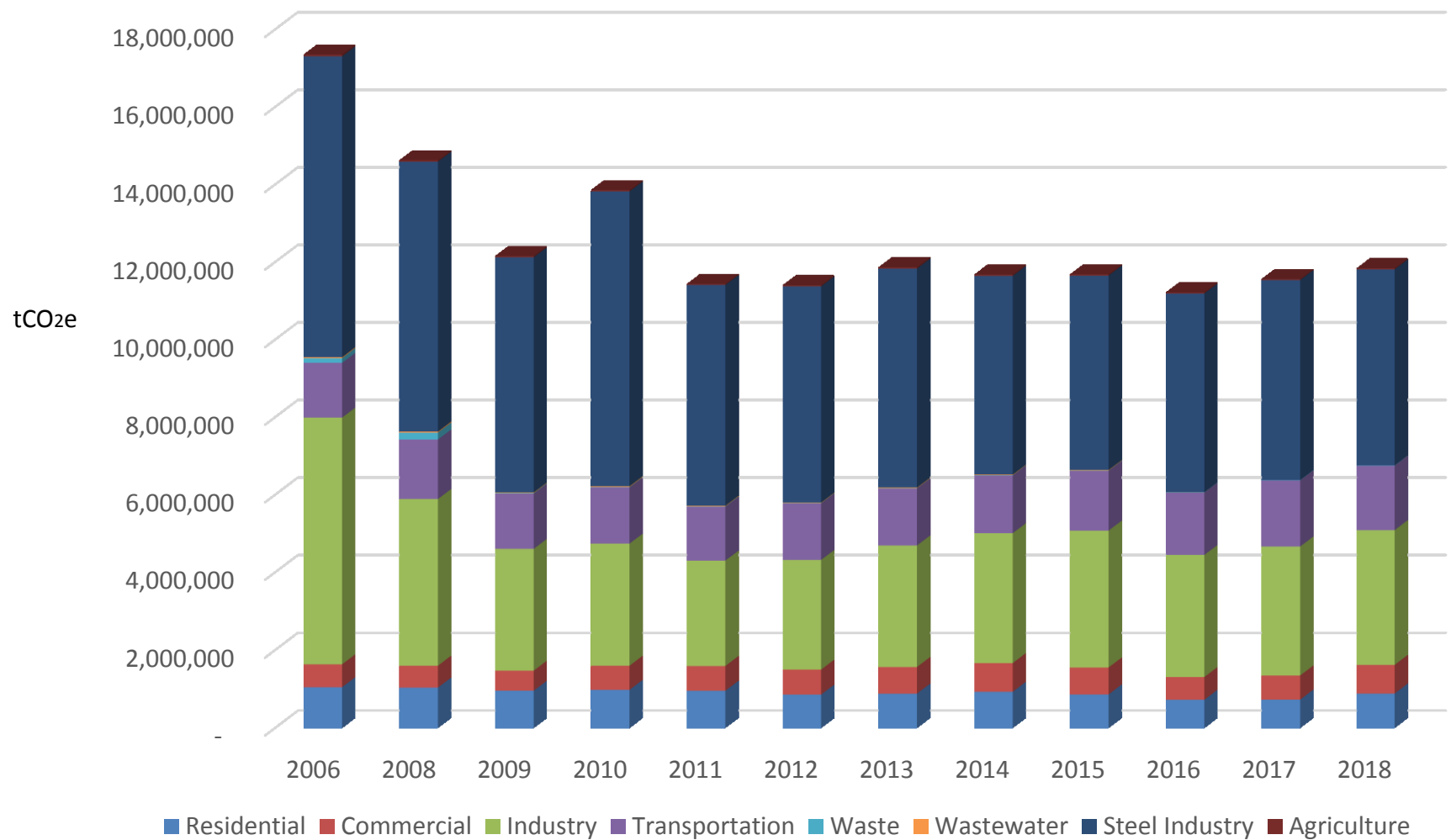
ICLEI Canada.(2020). Building Adaptable Resilient Communities. Retrieved from: <https://icleicanada.org/barc-program/>

Integrated Climate Action Planning

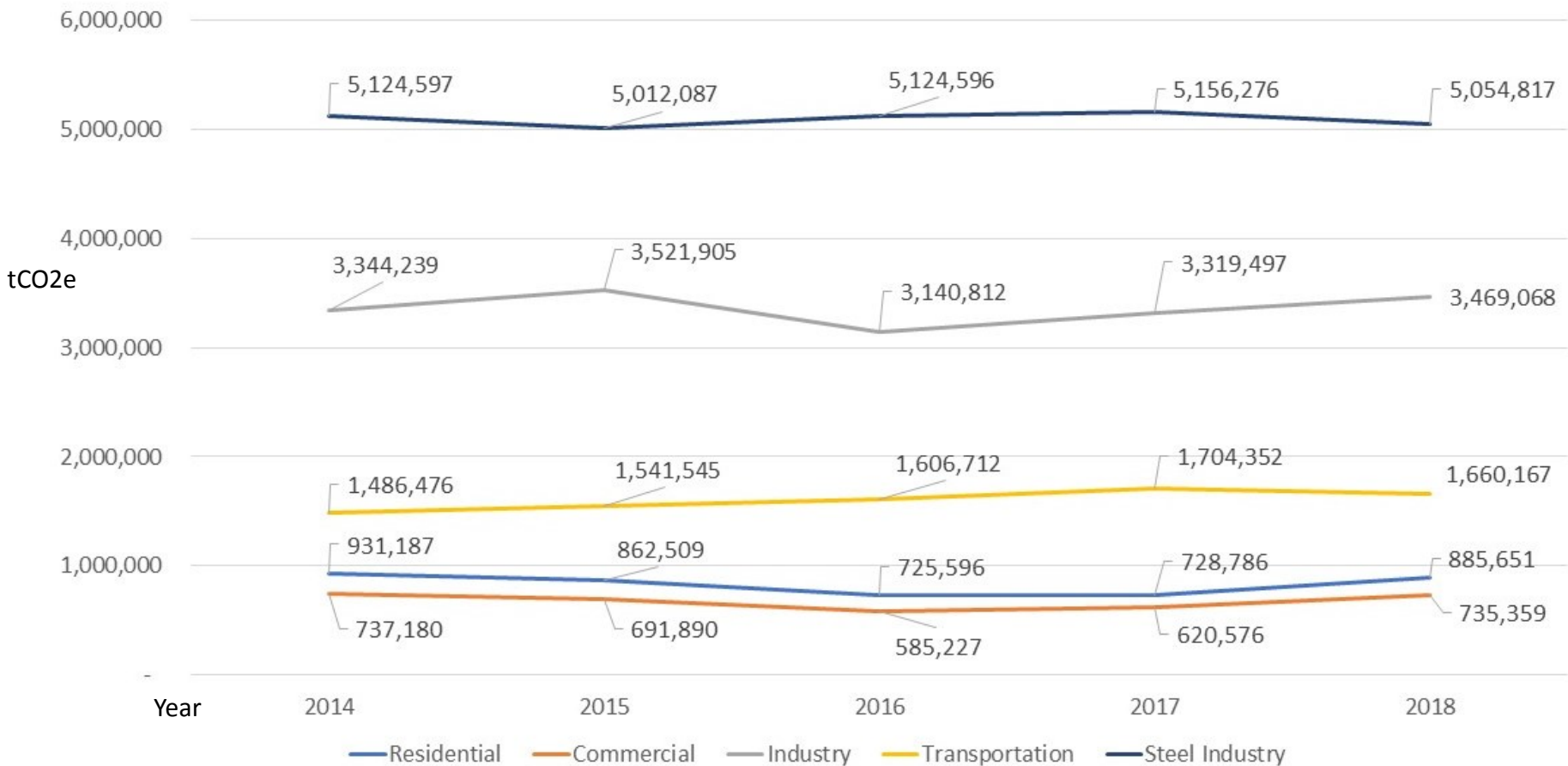


Source: Simon Fraser University Adaptation to Climate Team (ACT)

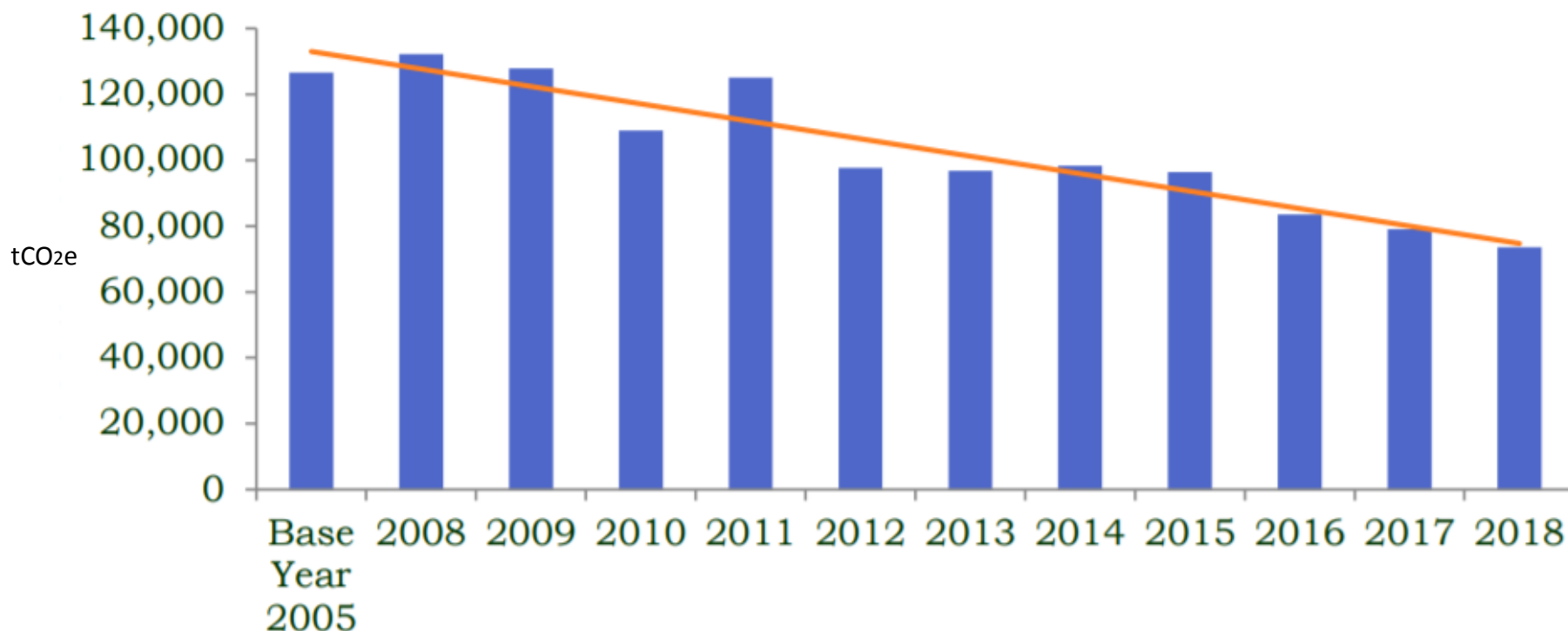
Hamilton's Community-Wide GHG Emissions 2006-2018



Hamilton's Main GHG Emissions by Sector 2016-2018

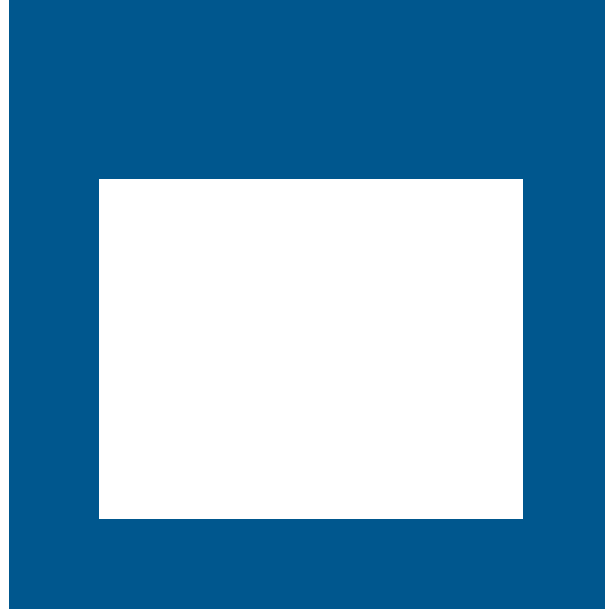


City's Corporate GHG Emissions 2005-2018



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THANK YOU