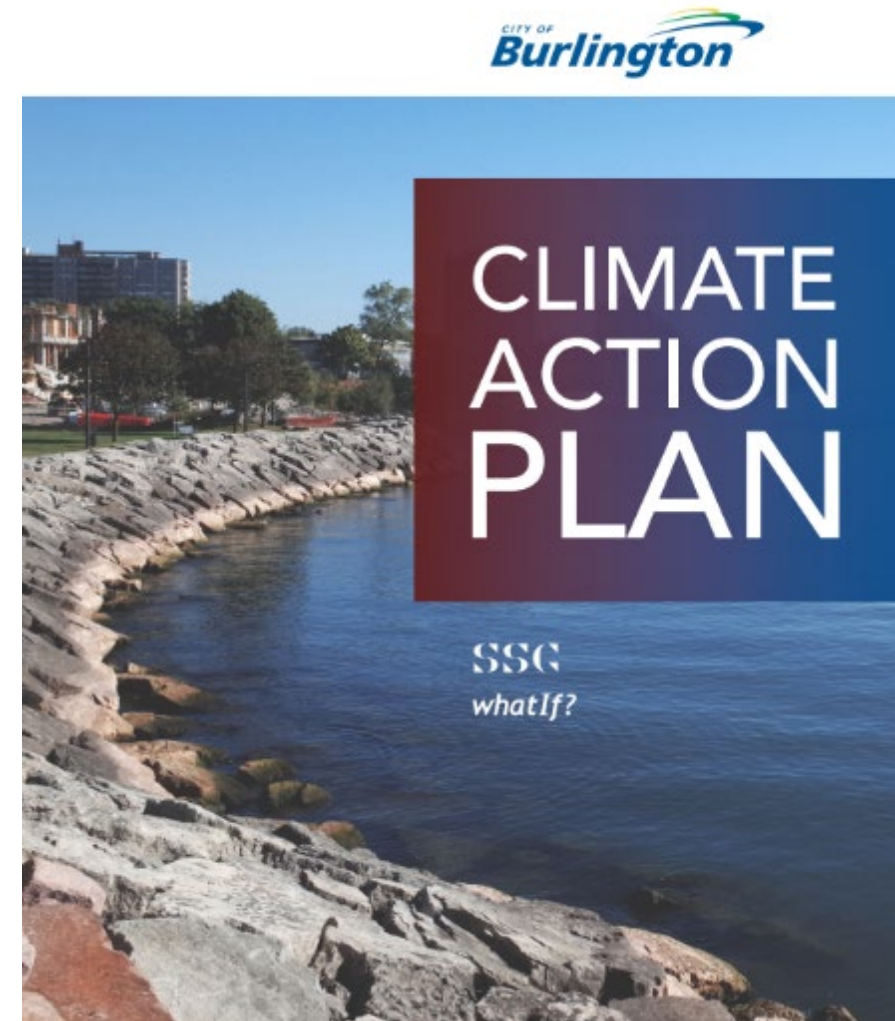


# Burlington Climate Action Plan Update 2021

Environment, Infrastructure &  
Community Services Committee

June 10, 2021



# Presentation Outline

- Related Climate Initiatives
- Climate Action Plan Update
- Community Stakeholders
- Partnerships & Collaboration
- Emissions Reporting
- Next Steps



Mountain Equipment Co-op, Burlington



# Related Climate Initiatives

- Climate Adaptation Plan – under development
- Corporate Energy & Emissions Plan for city operations – report scheduled for July 10<sup>th</sup> EICS Committee



Mountainside Community Centre



# Climate Action Plan

## Mitigation of GHG emissions

1. Low Carbon New Buildings
2. Deep Energy Retrofit Program (existing buildings)
3. Renewable Energy Co-operative
4. Integrated Mobility Initiatives
5. Electric Mobility & equipment
6. Waste Reduction
7. Industry

# Local Priorities to Reduce GHG Emissions

## Electric Mobility



## Renewable Energy



## Home Energy Retrofits



# Burlington Deep Energy Retrofit Program – transforming existing buildings

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- Partnership with Centre for Climate Change Management @ Mohawk College
- Application for funding – FCM’s Community Efficiency Fund
- Stakeholder engagement – interim report
- Next: homeowner survey & assess financing options
- Federal budget - \$4.4 billion to support home energy efficiency loans
- Final report – prior to year end 2021

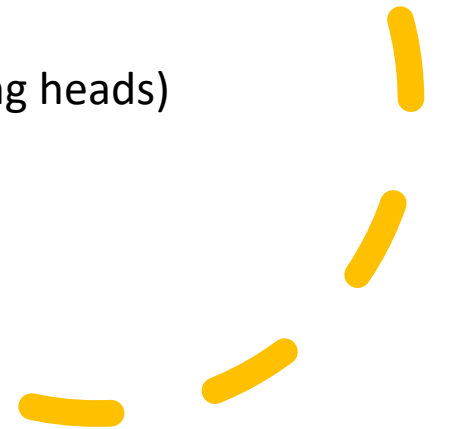




## Electric Mobility & Equipment –

encouraging the adoption of electric mobility & equipment

- Electrification of transportation sector to meet 2050 net carbon neutral target
- 23 charging stations on city property (44 charging heads)
- Corporate policy – to be developed
- Develop Electric Mobility Strategy & e-bikes
- Funding options



# Renewable Energy — stimulating local renewable energy projects

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- Over 8 MW of renewable energy in Burlington
- Renewable energy cooperative model
- Ground source heat pumps (geothermal)
- Other municipal programs — Edmonton & Halifax
- Google Environmental Insights Explorer
- More research needed in this area





# Sustainable Building and Development Guidelines

April 2019



## Burlington Low Carbon New Building Guideline – enhanced energy performance for new buildings

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- Review of Sustainable Building & Development Guidelines
- Staff report scheduled for July 6, 2021  
Community Planning, Regulation & Mobility Committee

# Integrated Mobility Plan – mobility planning with an emphasis on people movement

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- IMP under development by Transportation Services
- Vision – Mobility in Burlington will be safe, accessible, sustainable, balanced & livable
- Burlington Cycling Plan – council endorsed March 2021
- IMP – network designs will be presented to public July 2021



# Community Stakeholder Advisory Committee

Andrew Pride Consulting	BOMA
BurlingtonGreen	Burlington Economic Development
Burlington Hydro	Centre for Climate Change Management @ Mohawk
Enbridge Gas Inc	Halton Catholic District School Board
Halton District School Board	Halton Environmental Network
Halton Region	IESO – Independent Electricity Supply Operator
McMaster Institute for Energy	Royal Botanical Gardens
Sustainable Development Committee	Sustainable Hamilton Burlington

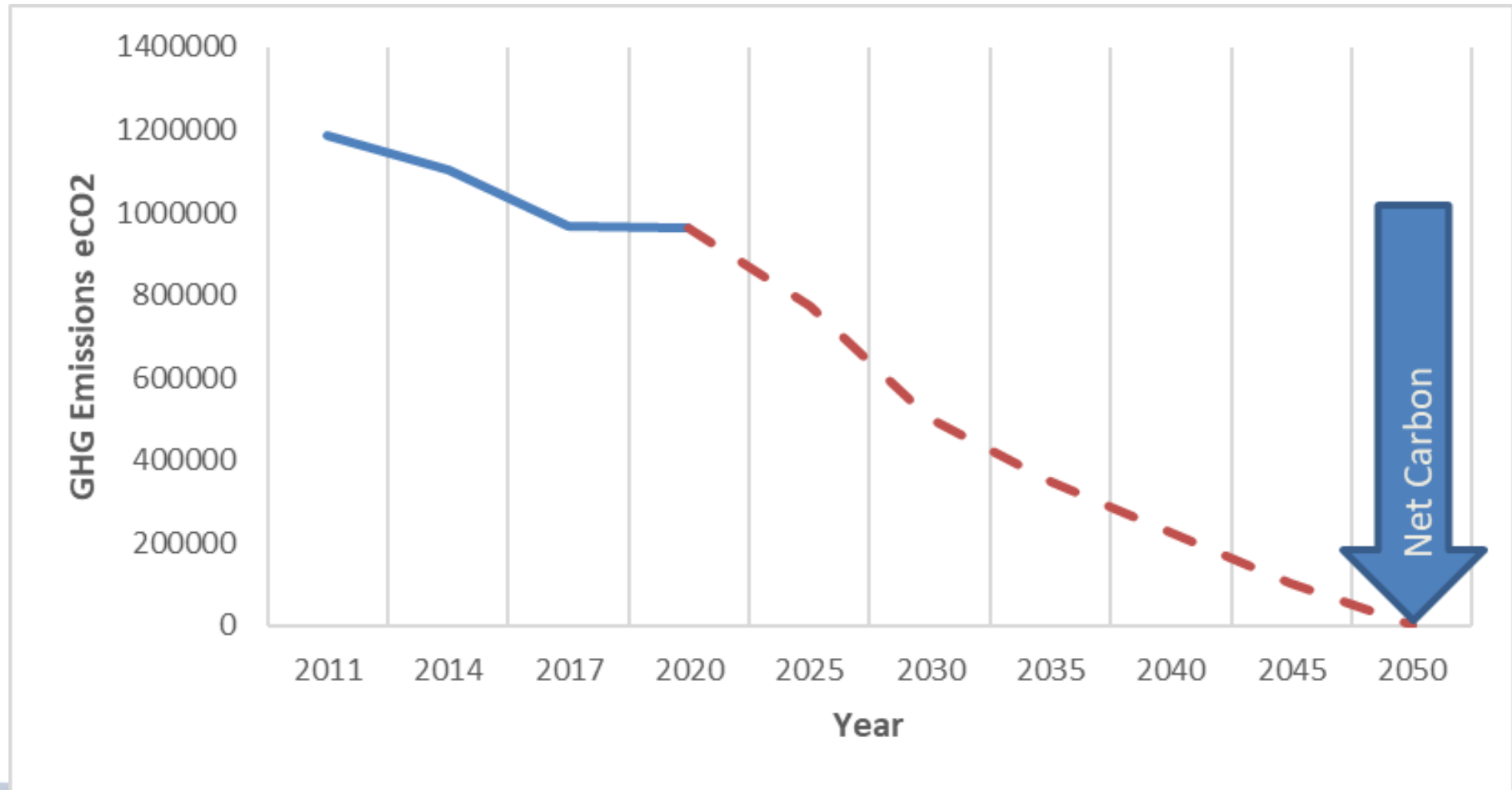


# Partnerships and Collaboration

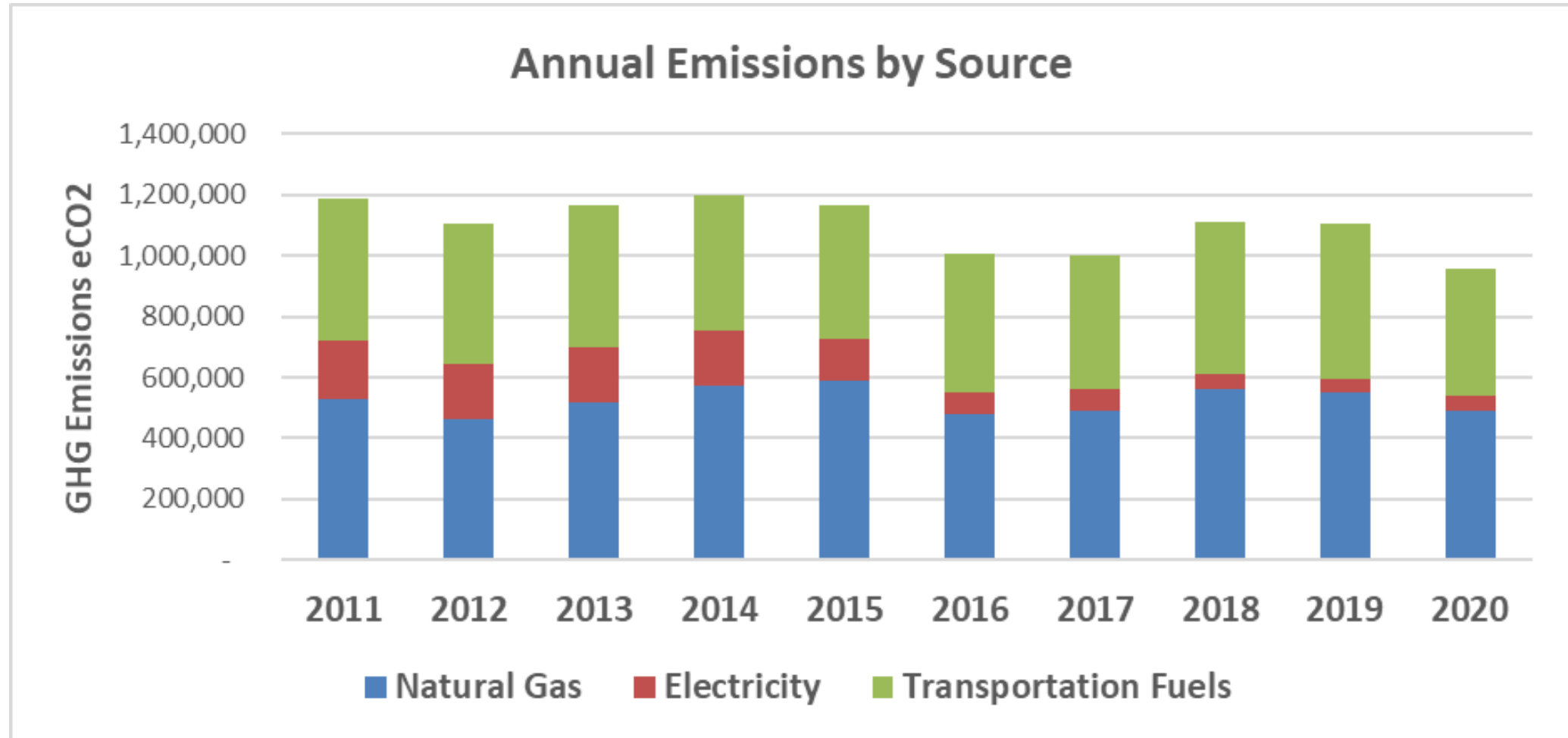
- Bay Area Climate Change Council
- Halton Climate Collective
- Clean Air Partnership & Clean Air Council
- QUEST
- Global Covenant of Mayors (Canada)
  - Partners for Climate Protection
  - ICLEI – Local Governments for Sustainability
- Carbon Disclosure Project



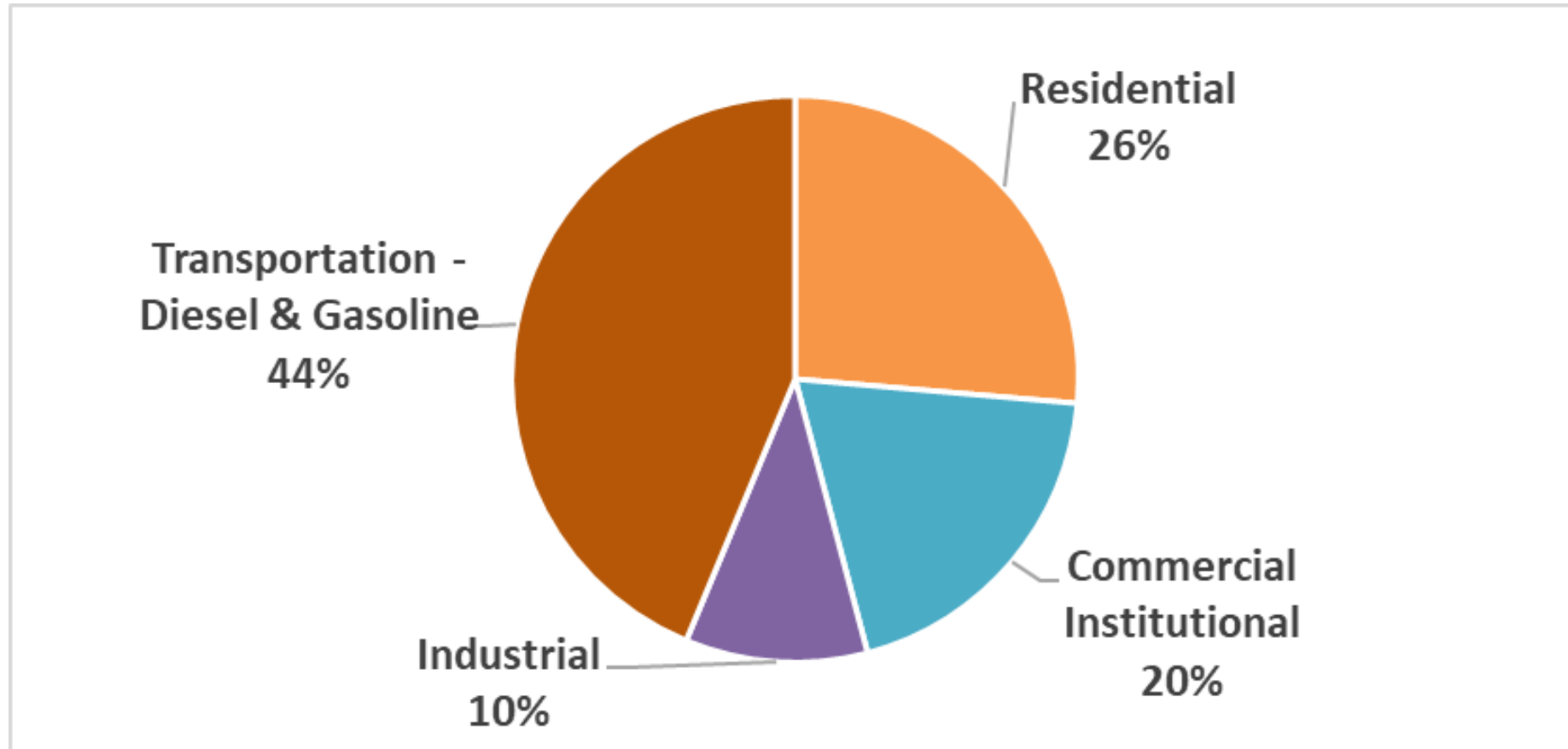
# Greenhouse Gas Emissions by Year – with 2050 Target



# Annual Emissions by Source 2011 - 2020



# Emissions by Sector 2020 - Percentage



# Next Steps

- Hero Report – Q4 2021
- Electric mobility strategy – Q2 2022
- Integrated Mobility Plan – network options July 2021
- Sustainable Buildings & Development Guideline – report July 2021
- Renewable energy – municipal best practices research
- Corporate Energy & Emissions Management Plan – report July 2021
- Climate Adaptation Plan – Q2 2022







# Thank you!

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[www.burlington.ca/environment](http://www.burlington.ca/environment)

