

Planning for a carbon neutral community

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Climate Emergency

- Burlington Council declared a climate emergency in April 2019
- Directions:
 - Apply a **climate lens** to decision making including budgets
 - Report back with a **Climate Action Plan** by December
 - **Staff reports – climate implications**





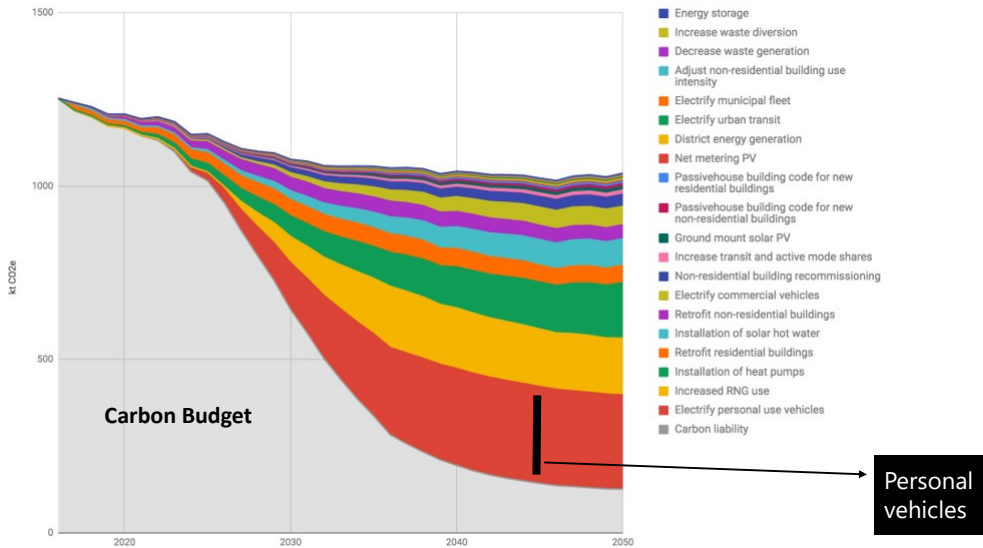
What do we need to do?

- Not BAU
- Transformational thinking
- Community engagement
- Partnerships & collaboration
- Long term investment
- Co-benefits – livability, air quality improvements, resilience
- Leadership

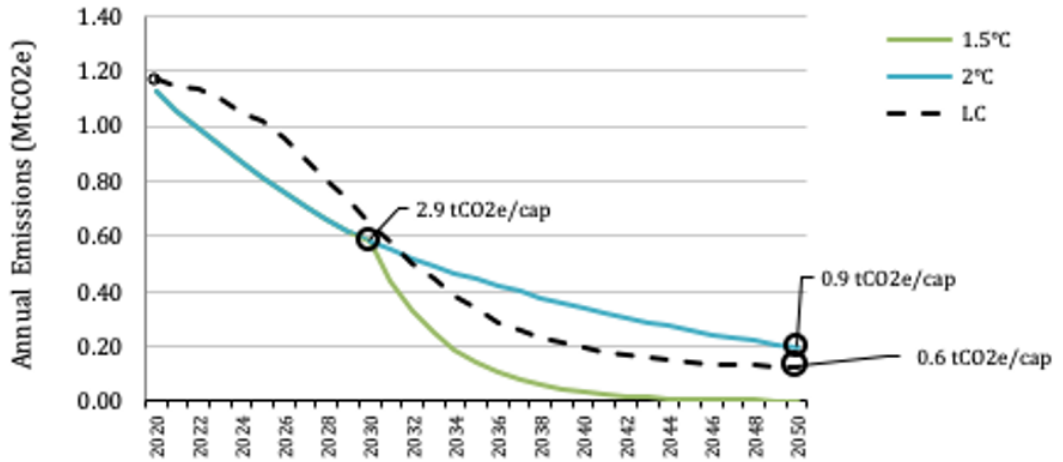
What is net carbon neutral?



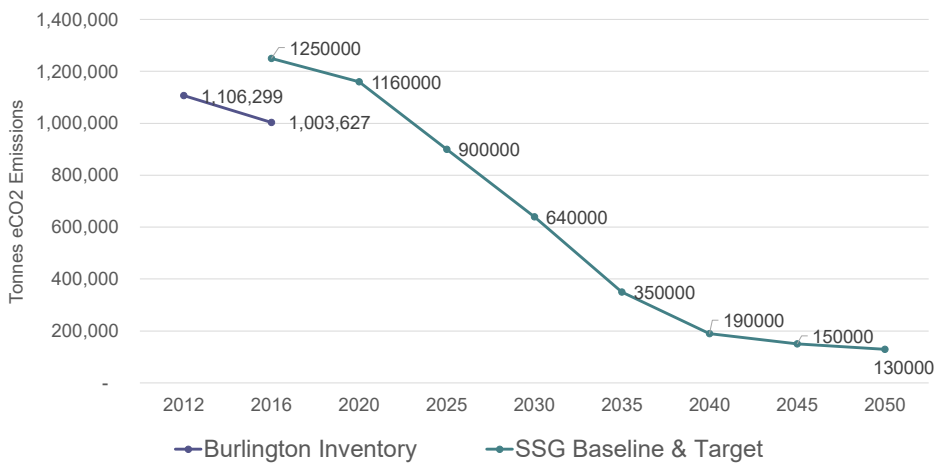
Emissions Reductions- Burlington



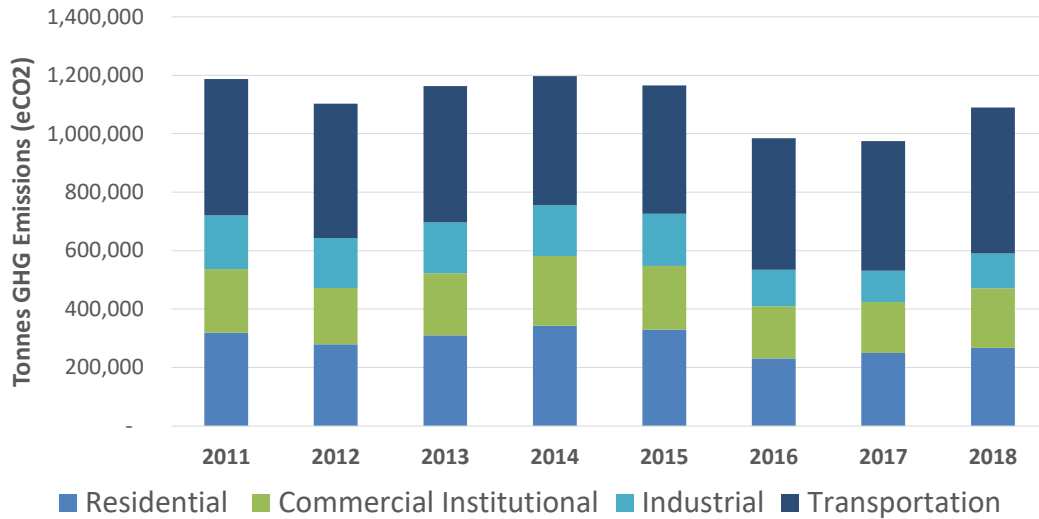
1.5 and 2°C carbon trajectories for the City of Burlington



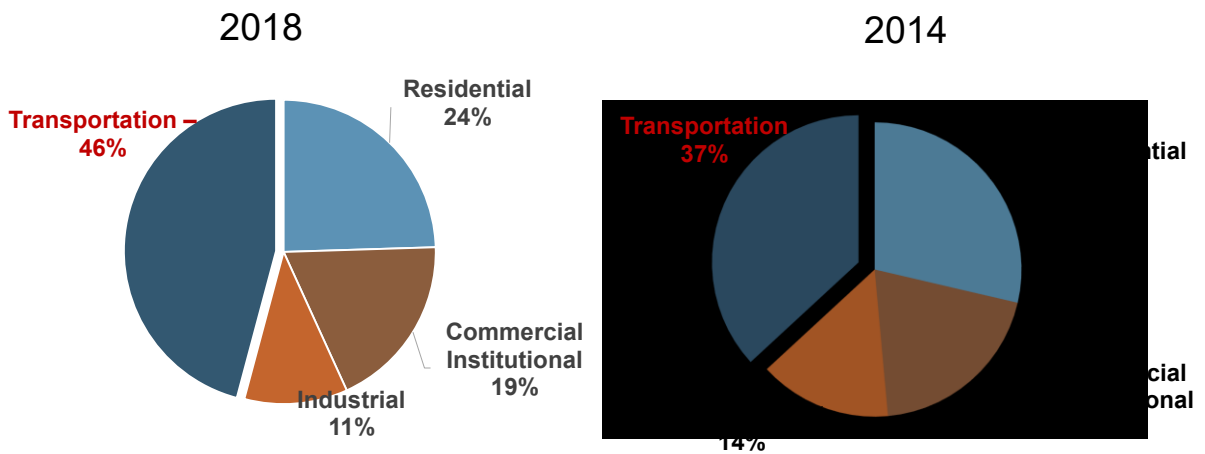
Burlington Inventory & SSG Baseline & Target (Tonnes eCO₂)



Emissions Inventory by Sector



Community GHG Emissions by Sector





Climate Action Plan Mitigation of GHG emissions

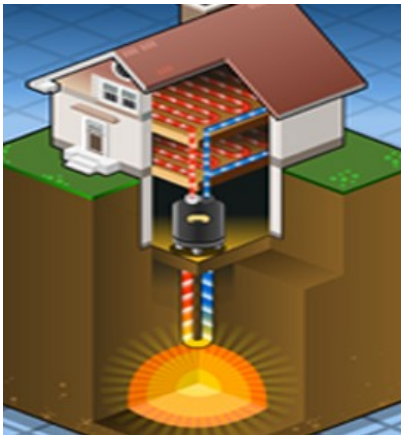
1. Low Carbon New Buildings
2. Deep Energy Retrofit Program (existing buildings)
3. Renewable Energy Co-operative
4. Integrated Mobility Initiatives
5. Electric Mobility & equipment
6. Waste Reduction
7. Industry



Low Carbon Standards - New Buildings



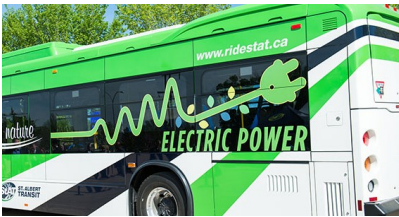
Deep Energy Retrofit Program



Renewable Energy Co-op



Integrated Mobility



Electric Mobility & Equipment



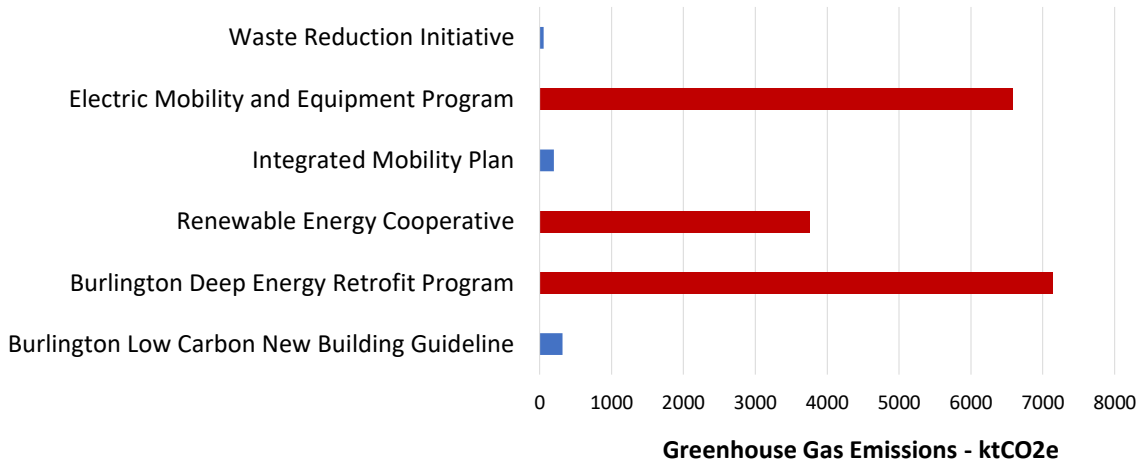
Waste



Industry

Recommended Program Areas

GHG Reduction Potential by 2050



Community Engagement

- Collaboration - Partnerships
- Information sharing
- Education
- School engagement
- Special events
- Community actions





Challenges/Opportunities?



Next Steps

- Feedback on the Climate Action Plan
- Implementation strategy
- Prioritization of actions
- Resources to develop & implement programs
 - Deep energy retrofit program
 - Renewable energy program
 - Electric mobility & equipment
- Report back March 9th, 2020 – final plan





Showcase Cities

- Burlington is one of 25 Canadian municipalities participating
- Commitment to join Global Covenant of Mayors for Climate and Energy (Canada)
- Collaboration between FCM, ICLEI Canada, Global Covenant of Mayors Secretariat and International Urban Cooperation (IUC) Program