



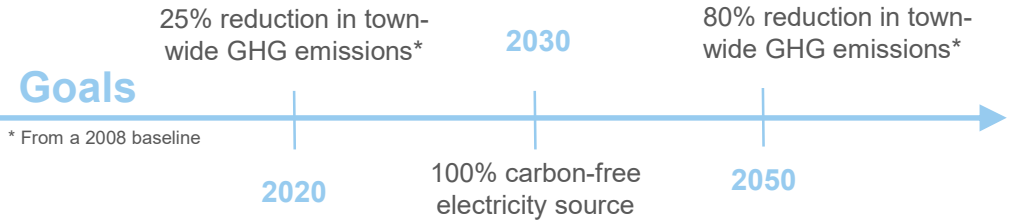
Town Of Concord Community Greenhouse Gas Emissions Summary

2019

concordma.gov/sustainability

Concord conducted a baseline (2008) and an updated (2016) GHG inventory to assess progress towards the town's ambitious reduction goals.

Goals



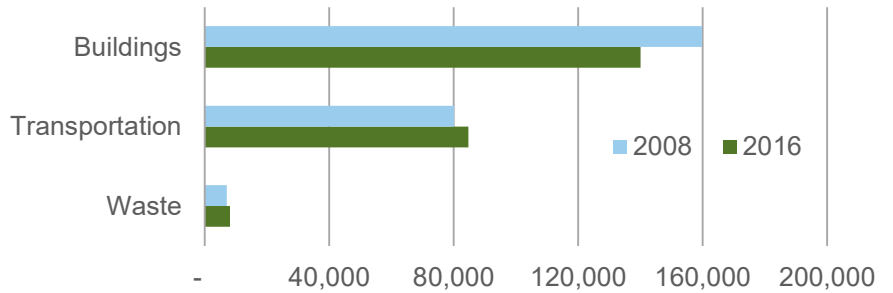
Emissions Reductions

The Town of Concord's total greenhouse gas emissions from 2008 to 2016 **decreased 6%**.

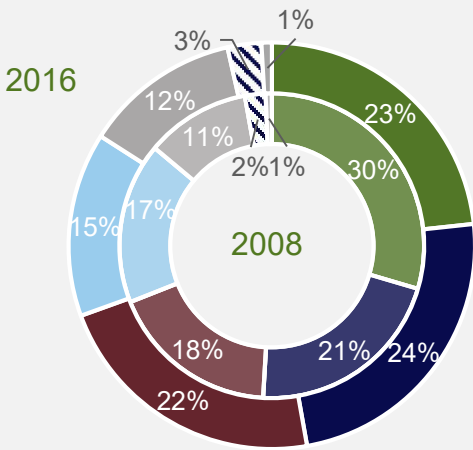
The emissions decrease was largely driven by:

- Increased renewable generation
- Lower emitting sources being added to the grid
- A decrease in electricity use in the commercial sector of 10%
- More efficient energy use in homes

Emissions by Sector



Concord Community GHG Emissions (MTCO₂e) by Sector Over Time



Concord's GHG Emissions by Source, 2008 (inside ring) and 2016 (outside ring)

Emissions by Source

From the 2008 baseline:

- Electricity emissions decreased by 26%
- #2 Fuel Oil emissions decreased by 19%
- All other sources of emissions increased

Looking Forward

Business as Usual Emission Forecast

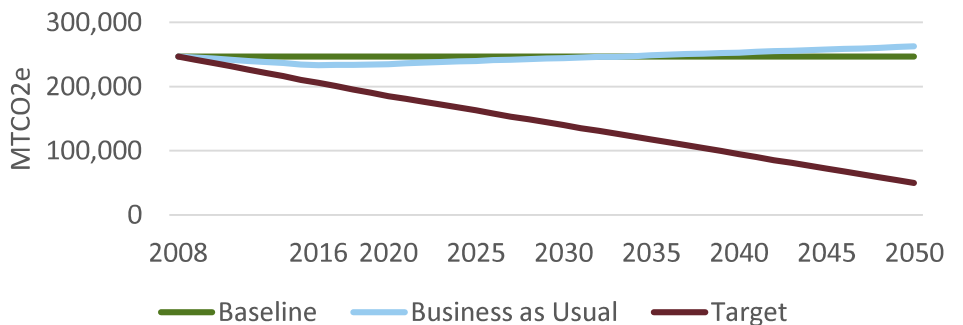
246,890 MTCO₂e in 2008
232,951 MTCO₂e in 2016

262,488 MTCO₂e

is the forecasted 2050 emissions under the business as usual scenario

49,378 MTCO₂e

is the Town's target for 2050 emissions



Concord GHG Emissions (MTCO₂e) Projections to 2050