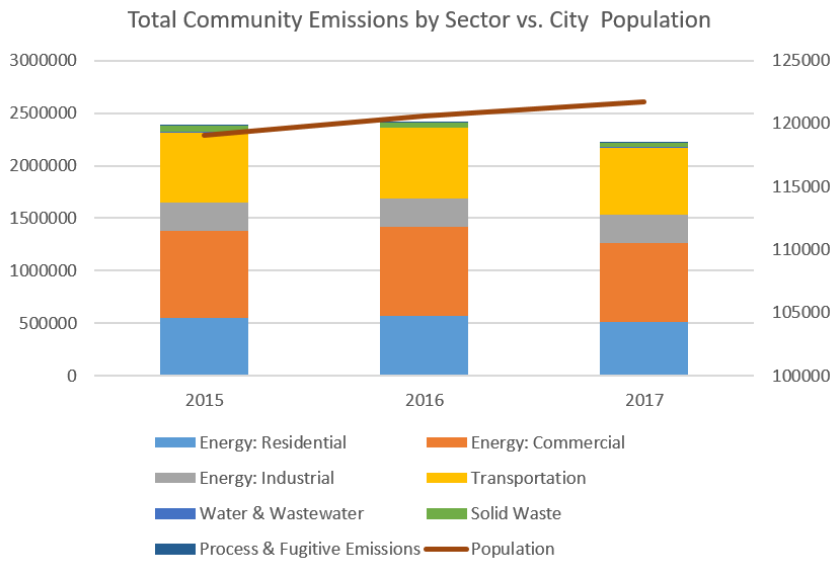
2017 Community Greenhouse Gas Inventory

Updated October 2021

Figure 1 (right): The total community greenhouse gas (GHG) emissions for 2017, across all sectors, was 2,230,127 MT CO2e. This is a decrease of 192,199, or 7.9%, from the 2016 inventory. The population increased by an estimated 1,114 people from 2016 to 2017. This decline in emissions matched with an increase in population reduced Columbia's emissions per capita by 8.8%, from 20.1 MT CO2e/ person in 2016 to 18.3 MT CO2e/person in 2017.



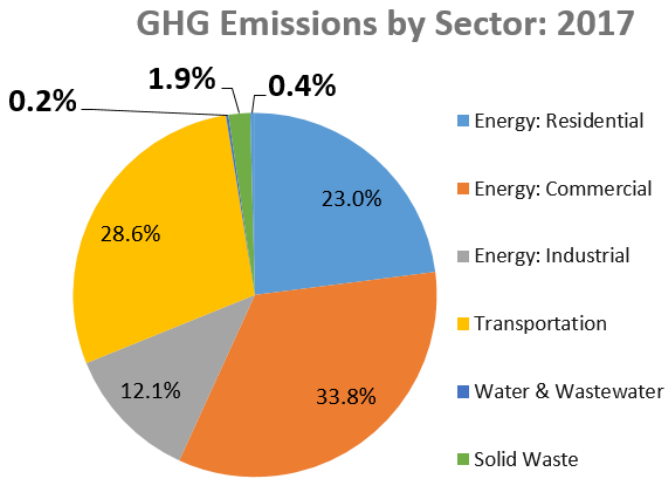
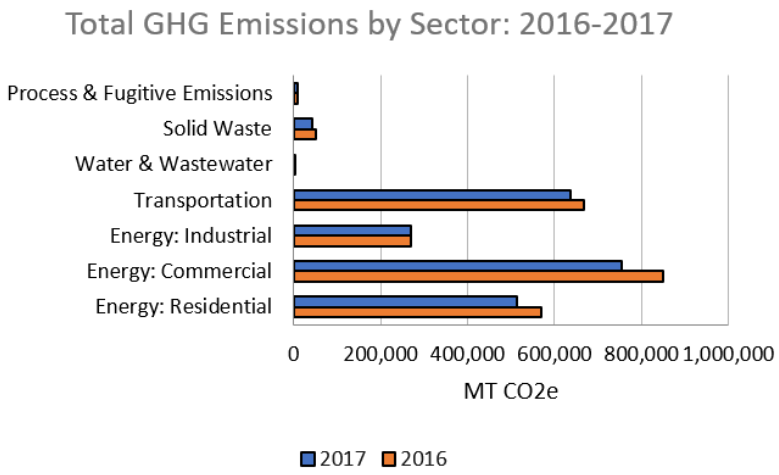


Figure 2 (left): Sectors can be prioritized based on their impact on the total GHG emissions. The energy sector remains the largest contributor to our community GHG emissions, at 68.9%, with most of those emissions coming from commercial properties. The transportation sector continues to be around one-fourth of our total community emissions, which is similar to residential energy. Solid waste and other emissions remain at less than 3% and have a relatively small contribution to our total community emissions.

Figure 3 (right): All sectors contributed to a reduction in community GHG emissions in 2017. The Contribution Analysis identified the following factors as the largest drivers of the observed decrease in emissions: electricity fuel mix, decreased vehicle miles traveled per person, decreased kWh per household, a cooler summer, and a warmer winter.



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