

# Essex GHG Calculation Project - Current Status

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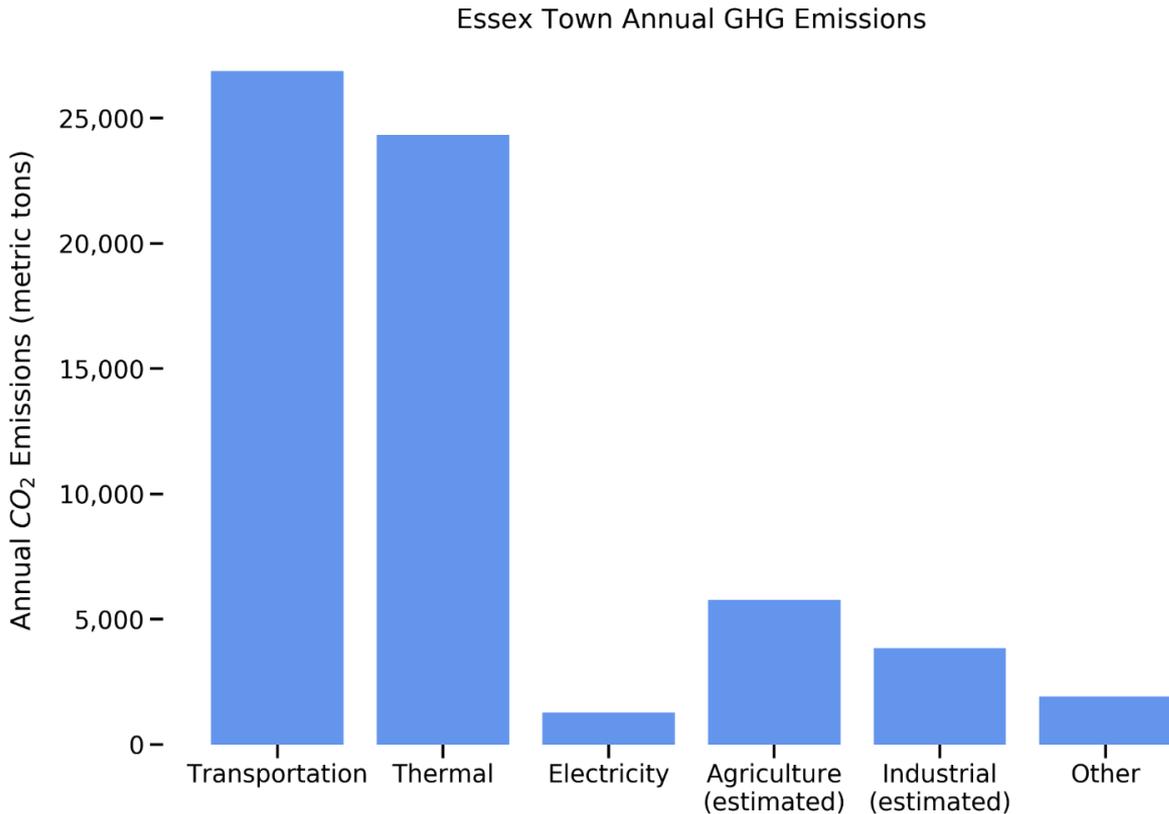
Goal: Estimate the total annual GHG emissions for Essex Town



| Sector         | Confidence of Calculation |
|----------------|---------------------------|
| Electricity    | High                      |
| Thermal        | Moderate/High             |
| Transportation | Moderate                  |
| Agriculture    | Low                       |
| Industrial     | Low                       |



# Current Best Estimation





# GHG Sector Overview - Essex





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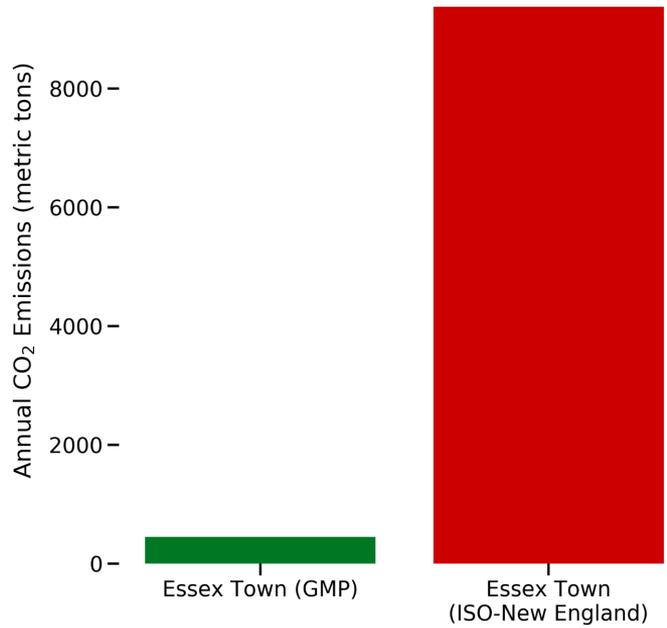




# Electricity - Essex vs. New England

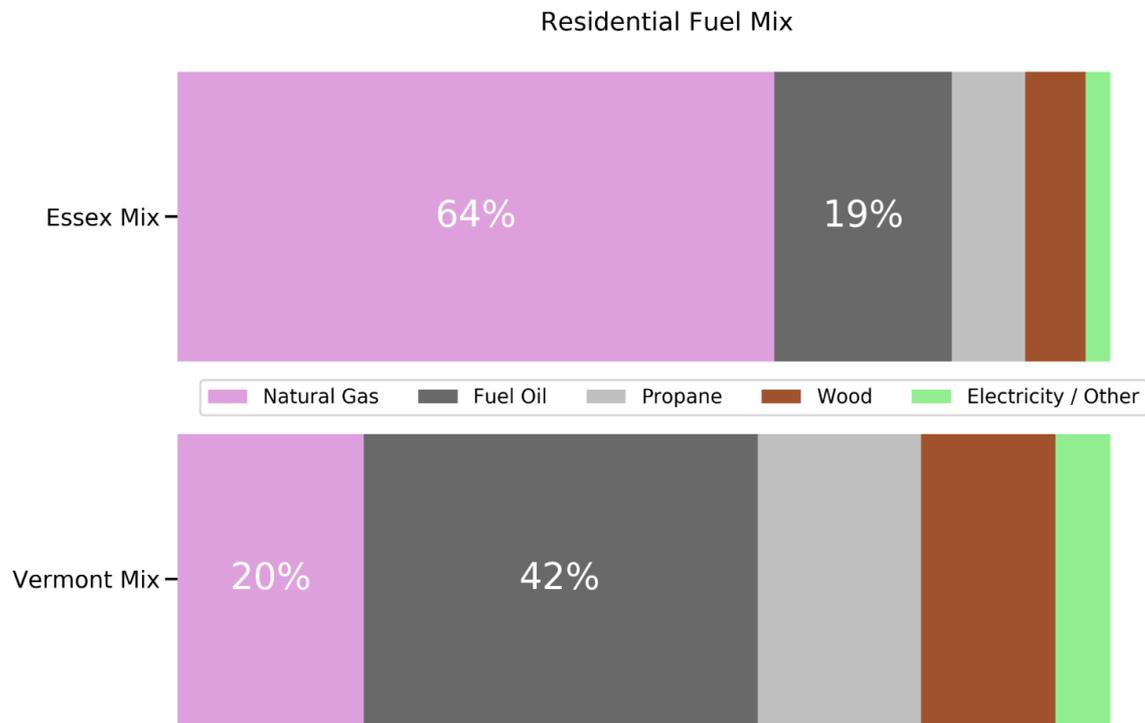
If we can use GMP accounting and trust the RECs, electrification is a great strategy for Essex to lower its carbon footprint. The GMP energy mix averages about 15g / kWh compared with about 307g / kWh for ISO-New England.

Essex Town Residential Emissions From Annual Electricity Usage





# Thermal - heating by source





# Thermal - Essex Total

GHG emissions are nearly identical despite very different mixes. Essex uses more natural gas, but Vermont uses more fuel oil (dirtier) and electricity and wood (cleaner)

