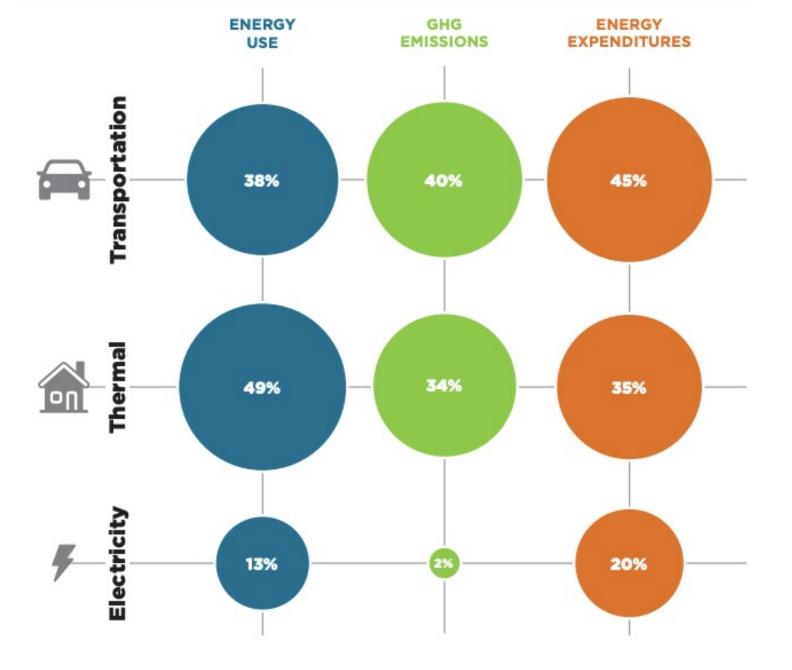
House Energy & Technology Committee Testimony

January 25, 2022



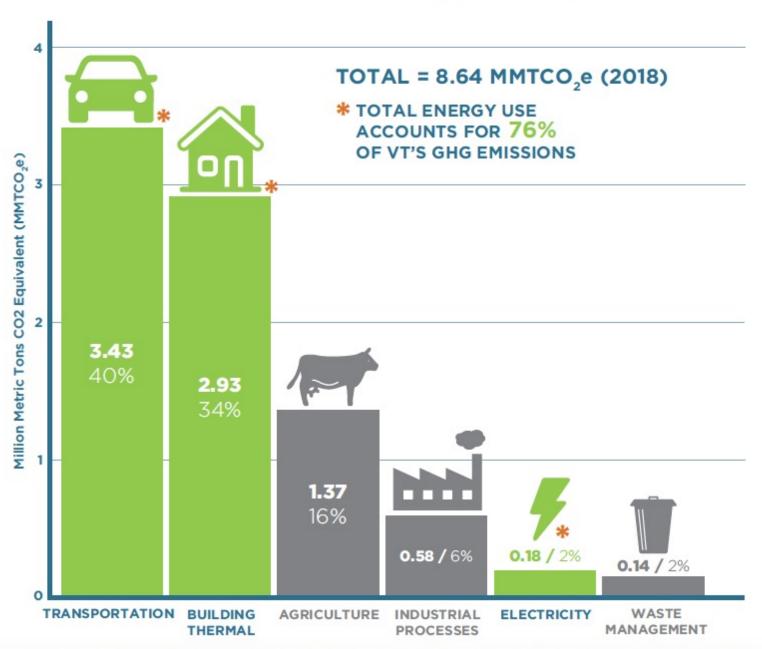
Key Takeaways

- Over 1/3 of Vermont's climate pollution comes from thermal fuel use, primarily from fossil fuels used for home and building heating
- Dependence on fossil fuels -- especially propane and fuel oil -- is expensive, with unpredictable price swings for VT consumers. This creates an especially large energy burden for lower-income Vermonters.
- 99% of VT homes were built prior to 2014. New building codes are of limited effectiveness because they don't improve existing homes or heating systems.
- Fossil fuels create a major drain on Vermont's economy, with most dollars spent on them leaving the state. In contrast, weatherization and renewable heating keeps much more money local, strengthening the VT economy and supporting good paying local jobs.





Vermont's GHG emissions by sector, 2018

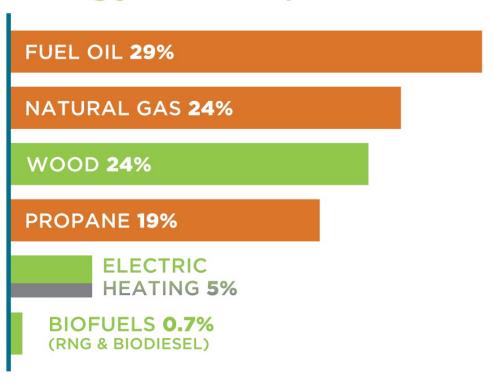






Nearly 3/4 of VT Heating is Fossil-Based

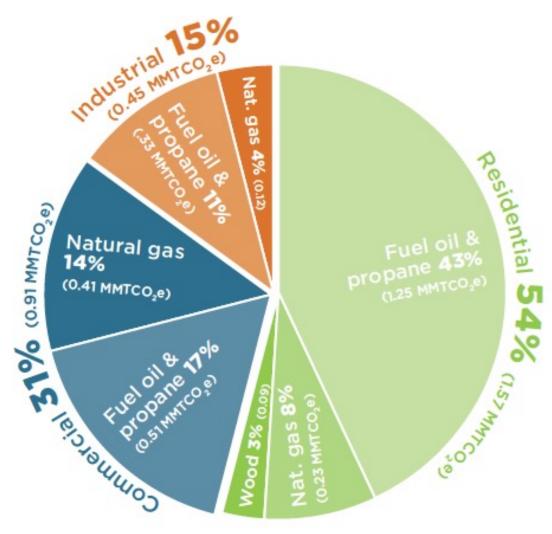
Vermont heating energy sources, 2018



Source: EIA, 2020; Vermont Department of Public Service, 2020; Efficiency Vermont, 2020; Vermont Agency of Natural Resources, 2020



Vermont thermal GHG emissions by sector and fuel type





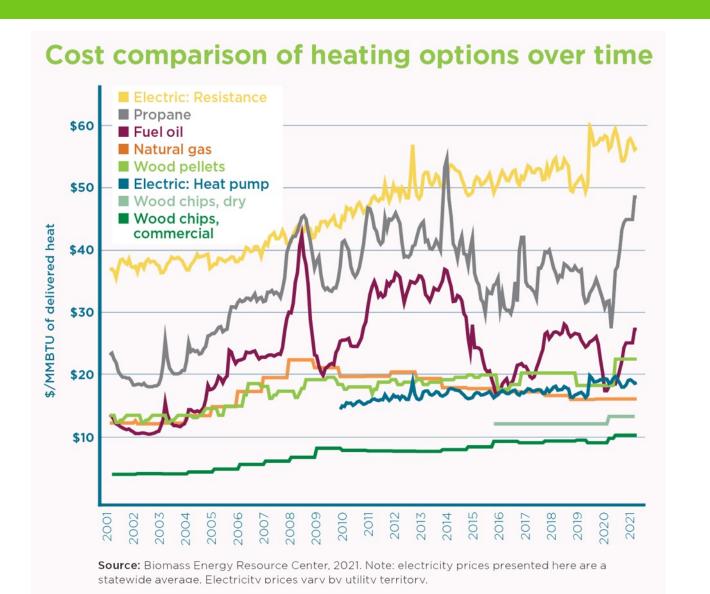


VT Homes and Buildings are Old and Their Heating Systems Have Long Lifespans

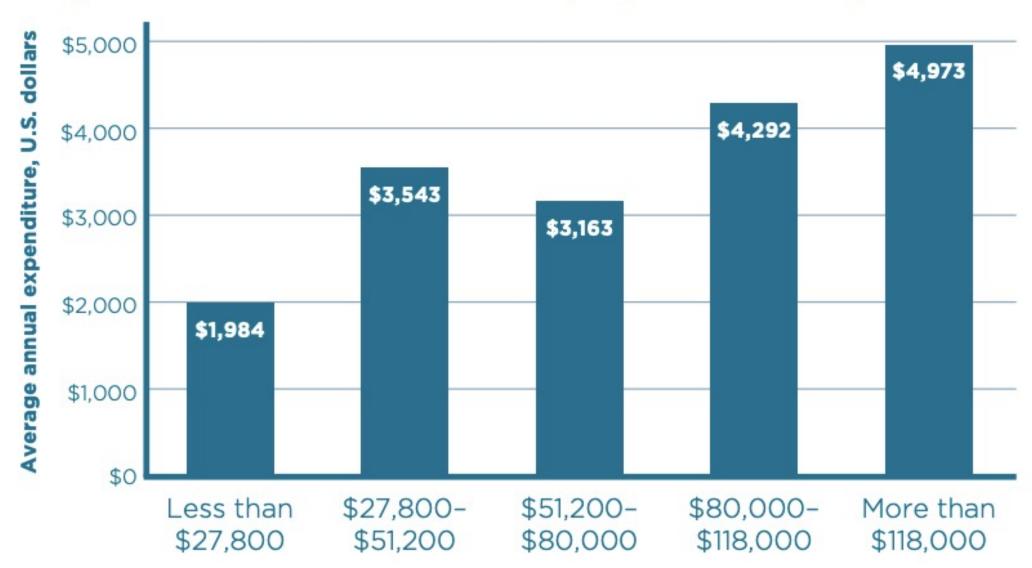




VT'ers Using Fuel Oil and Propane Pay High Costs and Are Exposed to Volatile Prices



Combined heating and electricity expenditures in Vermont, by income quintile





Source: U.S. Census Bureau, American Community Survey, 2018.

Combined heating and electricity energy burden in Vermont, by income quintile

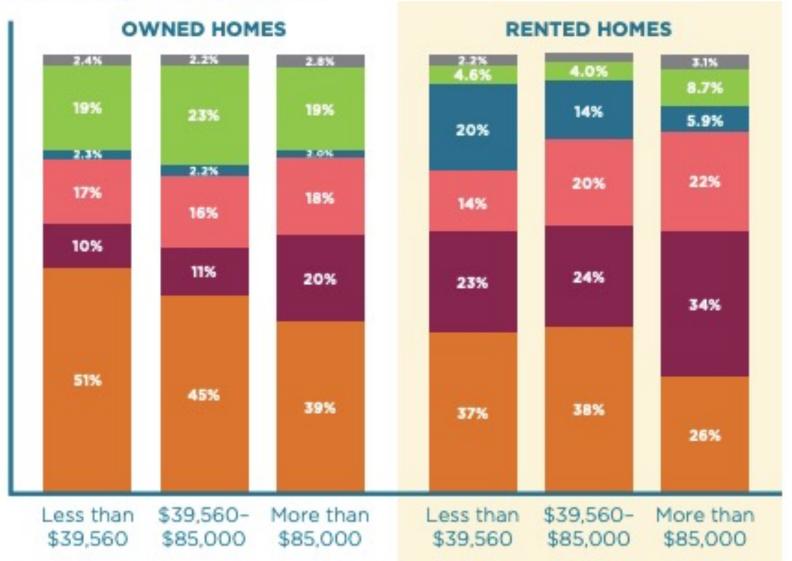




Vermont household fuel use by housing type

■ Fuel oil and kerosene ■ Utility gas ■ Bottled, tank and LP gas

■ Electricity ■ Wood ■ Other





Average annual fossil fuel spending in VT, 2009-2018



