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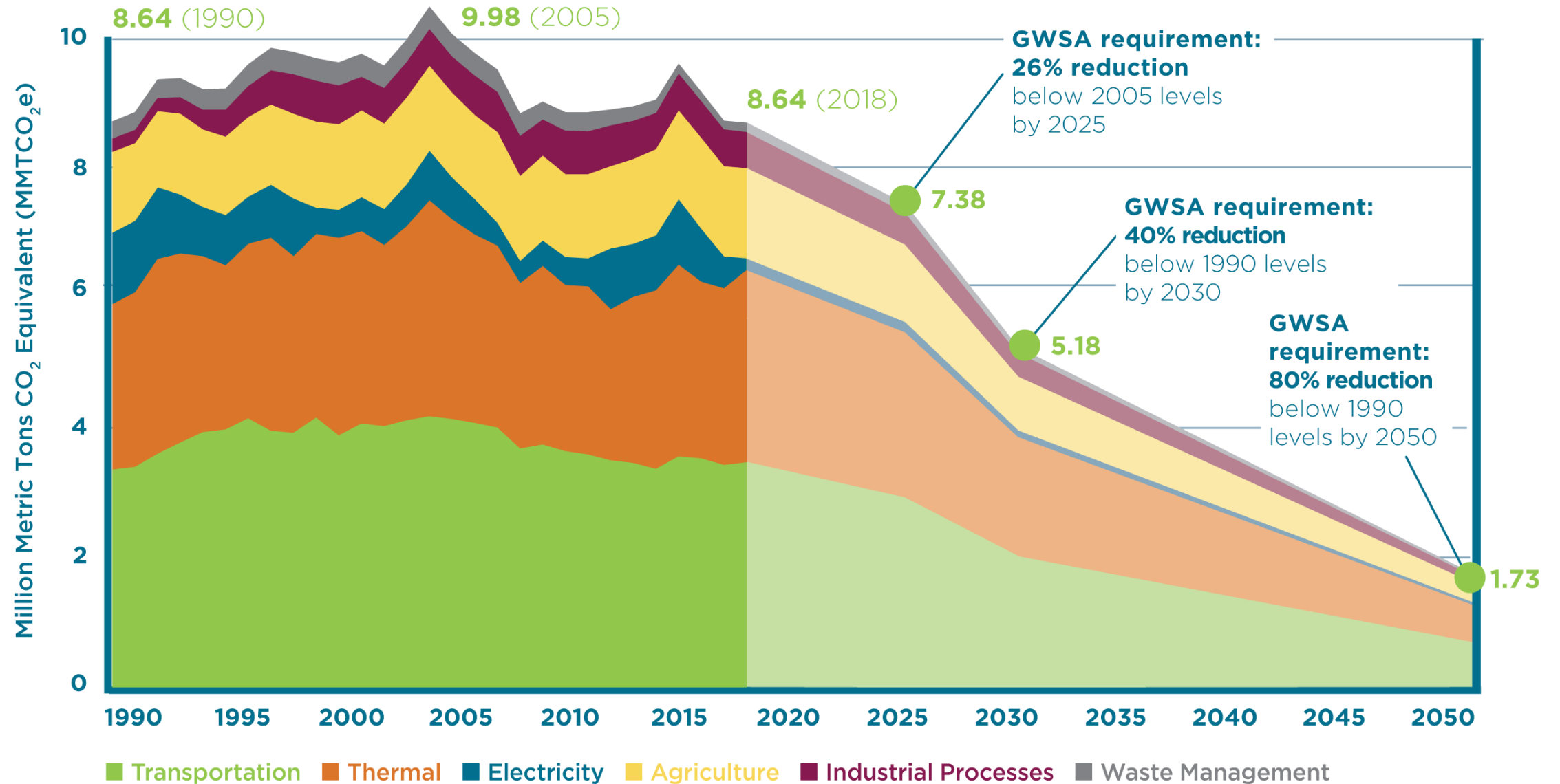
September 2006



On Climate Action in Vermont, Over Two Decades: Lots of Effort, Many Studies, Little Pollution- Reduction Progress

- GHG reduction goals in Vermont statute since 2006
- Primary progress in the **regulated** efficiency + electric sectors*
- Several Comprehensive Energy Plans
 - A 2011, 2015 CEP affirming a 90 by 2050 *total* renewable energy goal
 - Total Energy Study outlining the policy and technology pathways
- Thermal Efficiency Task Force in 2012-2013
- The 2019 Vermont Decarbonization Analysis
- Three Climate Councils (2007, 2018, 2021); the last, finally, legally obligated.

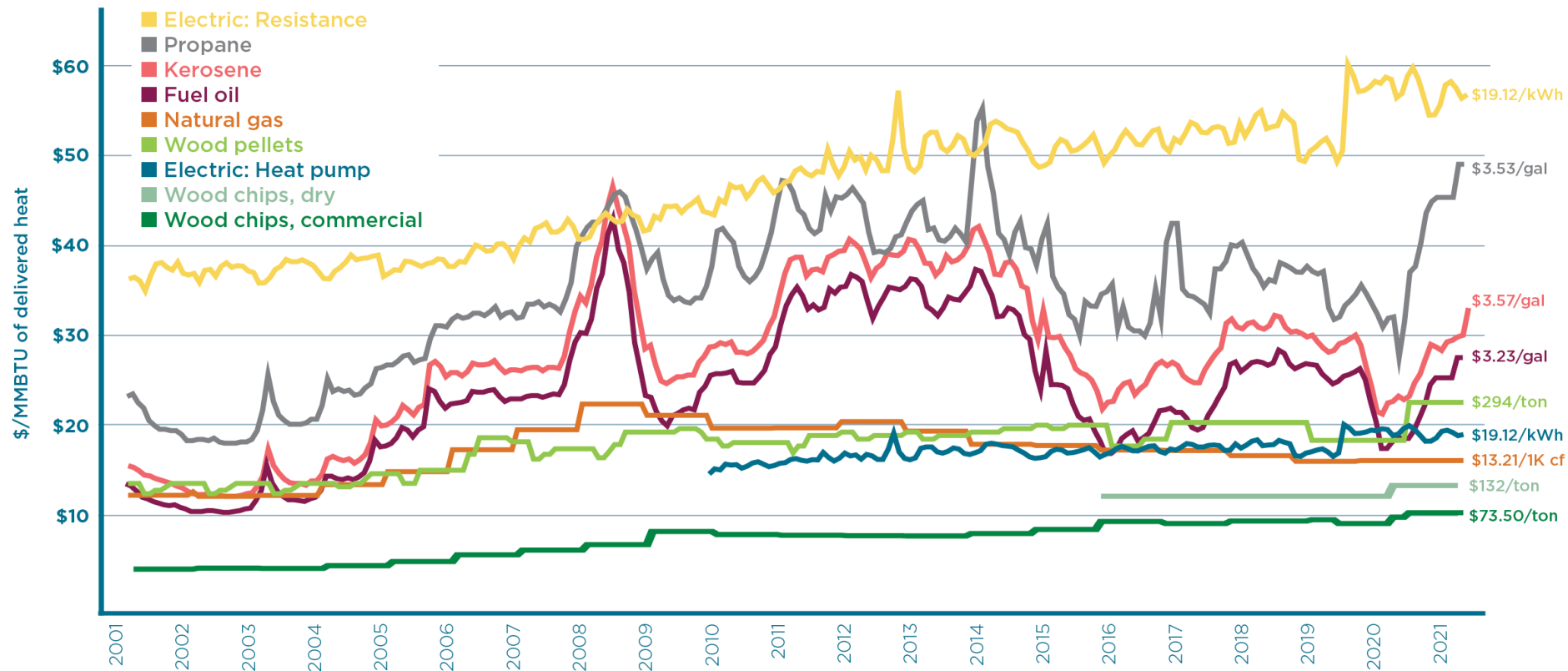
Vermont's historical GHG emissions and future requirements



Source: Vermont Agency of Natural Resources, Vermont GHG Emissions Inventory and Forecast (1990-2017), 2021.

Fossil Fuel Heat: High Cost, Highly Volatile, Uncertain

Cost comparison of different heating options over time



Source: Biomass Energy Resource Center, 2021. Note: electricity prices presented here are a statewide average. Electricity prices vary by utility territory.

To Cut Carbon and Costs: Establish a Clean Heat Standard

The Highest GHG-Reducing Recommendation of the Vermont Climate Council in the Climate Action Plan was to:

- Implement a **Clean Heat Standard** to achieve the thermal sector's share of pollution reduction (**34%** of Vermont's GHG emissions and a **40% reduction by 2030**) to help fund weatherization and low-cost clean heat solutions.

Thermal Sector Transformation

- **No single policy can do all things.** We must enact a CHS – and do much more.
- **A primary pollution-reduction and policy pathway is required – a CHS can:**
 - Deliver with integrity on its core goal – reducing the carbon intensity of our heating sector in line with our legally binding requirements
- **The Affordable Heat Act can deliver on that primary goal and be designed to be:**
 - Climate accountable, equitable, affordable and achievable
- **Affordable and Equitable Is Fundamental** – Maximize this as a priority in S.5 – and then do more, in other policies and programs

February 2022: We Must Act



We Cannot Afford Ongoing, Deferred, Insufficient Action

“If humanity wishes to preserve a planet similar to that on which civilization developed ... CO2 will need to be reduced ... to at most 350 ppm.” -- Dr. James Hansen

We have the technology to do things differently. S.5 can be a blueprint for the fossil fuel heating sector and the State of Vermont to keep Vermonters warm with more local, cleaner heat, reducing energy bills, keeping more dollars in VT and cutting planet-warming pollution





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