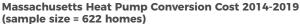
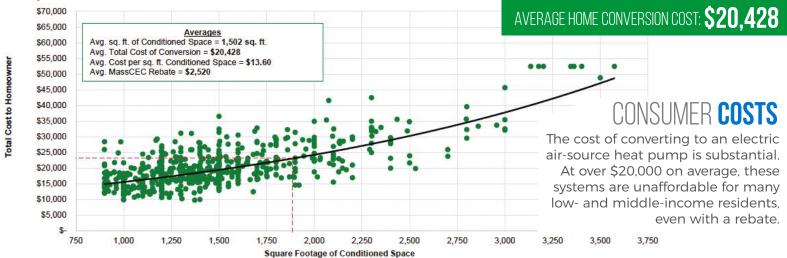


An *Expensive* Investment in *Unsatisfactory* Home Comfort

ELECTRIC HEAT PUMPS

Northeast states are looking to convert homes to electric heat pumps to help reduce emissions. However, according to real-world data from the Massachusetts Clean Energy Center, heat pumps come with considerable financial and performance challenges.

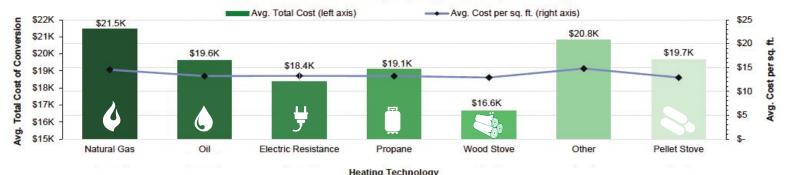




CONSUMER COSTS VARY **DEPENDING ON HEAT SOURCE**

The average price of a heat pump conversion varies depending on the home's existing heat source. The cost remains above \$16,000 regardless of the technology converted.

Conversion Cost to Heat Pumps by Original Heating Technology



Percent of Conversions Retaining a Supplementary Heat Source

HEATING PERFORMANCE

Most heat pumps begin to lose efficiency at 47°F, so more than 92% of homeowners who install heat pumps keep their existing heat sources or install supplemental heat sources.

ONLY HEAT PUMPS: 7.2%

SUPPLEMENTARY SOURCE: 92.8%

ABOUT BIODIESEL AND RENEWABLE DIESEL

Sources: Massachusetts Department of Energy Resources; Massachusetts Clean Energy Center.



Made from plant-based oils, used cooking oils, and animal fats









Todav's solution for heavy-duty trucking, emergency vehicles, bus fleets, and farm equipment



