

LEAP Projections - Stamford

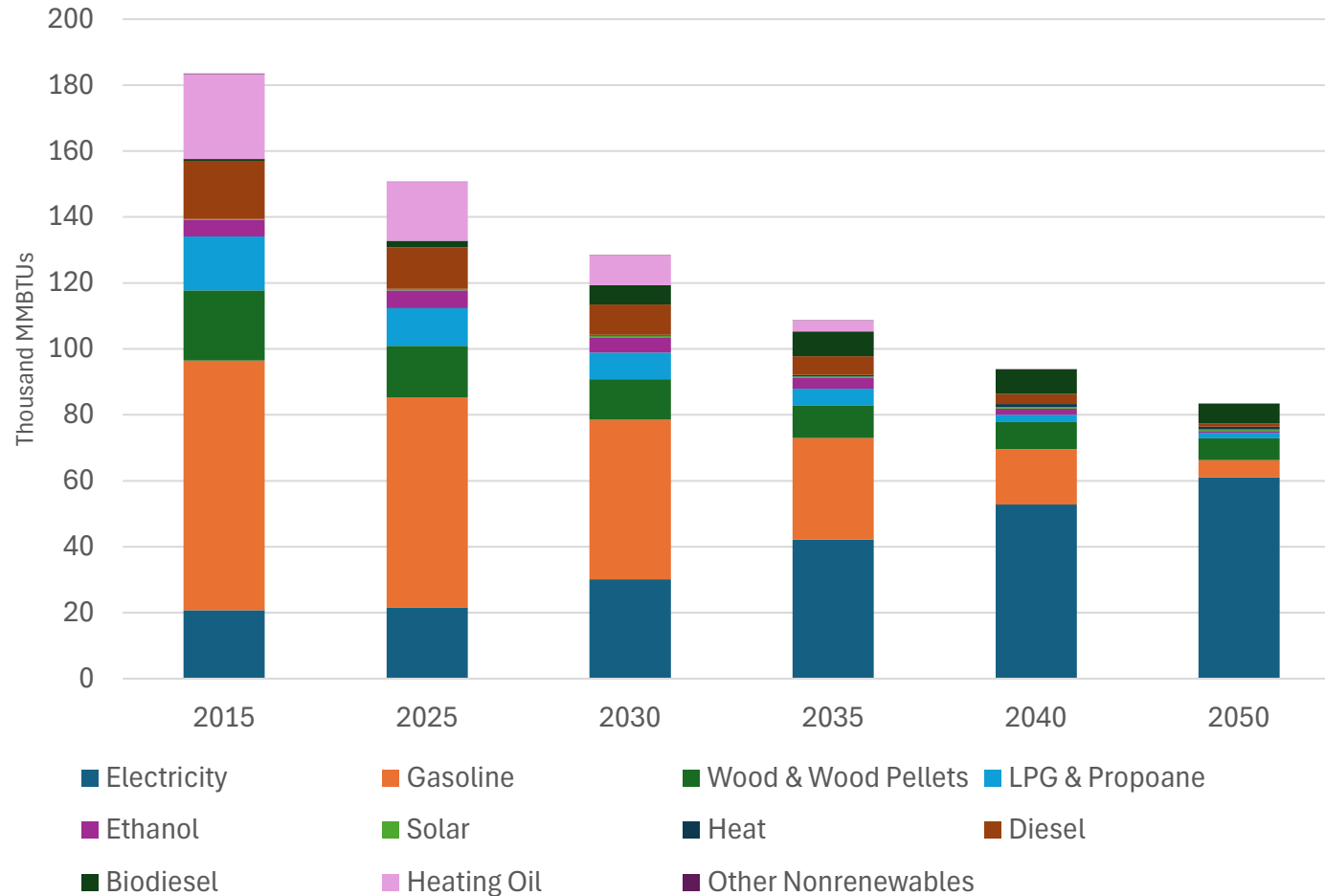
The following projections and targets come from the Low Emissions Analysis Platform (LEAP) model, which is a tool used by the State of Vermont to analyze and project energy demand across multiple sectors at the state and regional levels for the years 2015-2050. The general trends depicted in these LEAP projections show a decrease in overall energy use, a decreasing reliance on fossil fuels, and an increase in electricity demand as the electrification of the thermal and transportation sectors continues. The municipal projections were disaggregated from regional-level projections provided by VT Department of Public Service using the town's regional share of energy use. Contact BCRC for additional information and data.

[Regional LEAP Projections](#)

Additional data available at [Energy Planning - BCRC](#)



Stamford Total Energy Demand by Fuel Type



What is a BTU?

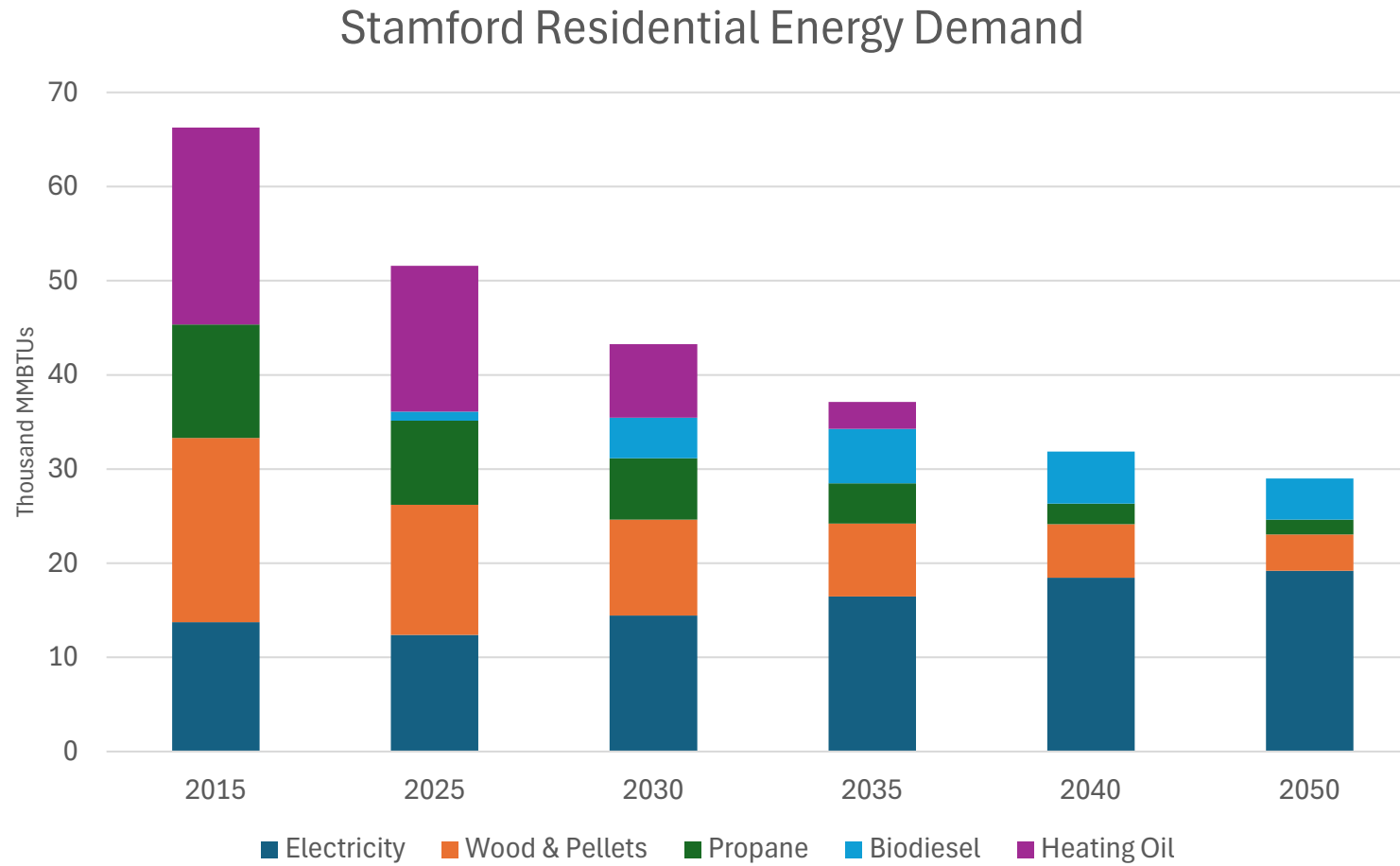
A BTU, or British Thermal Unit, is a measure of energy value or heat content. A BTU is the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit at a constant pressure of one atmospheric unit.

1 MBTU = 1,000 BTU

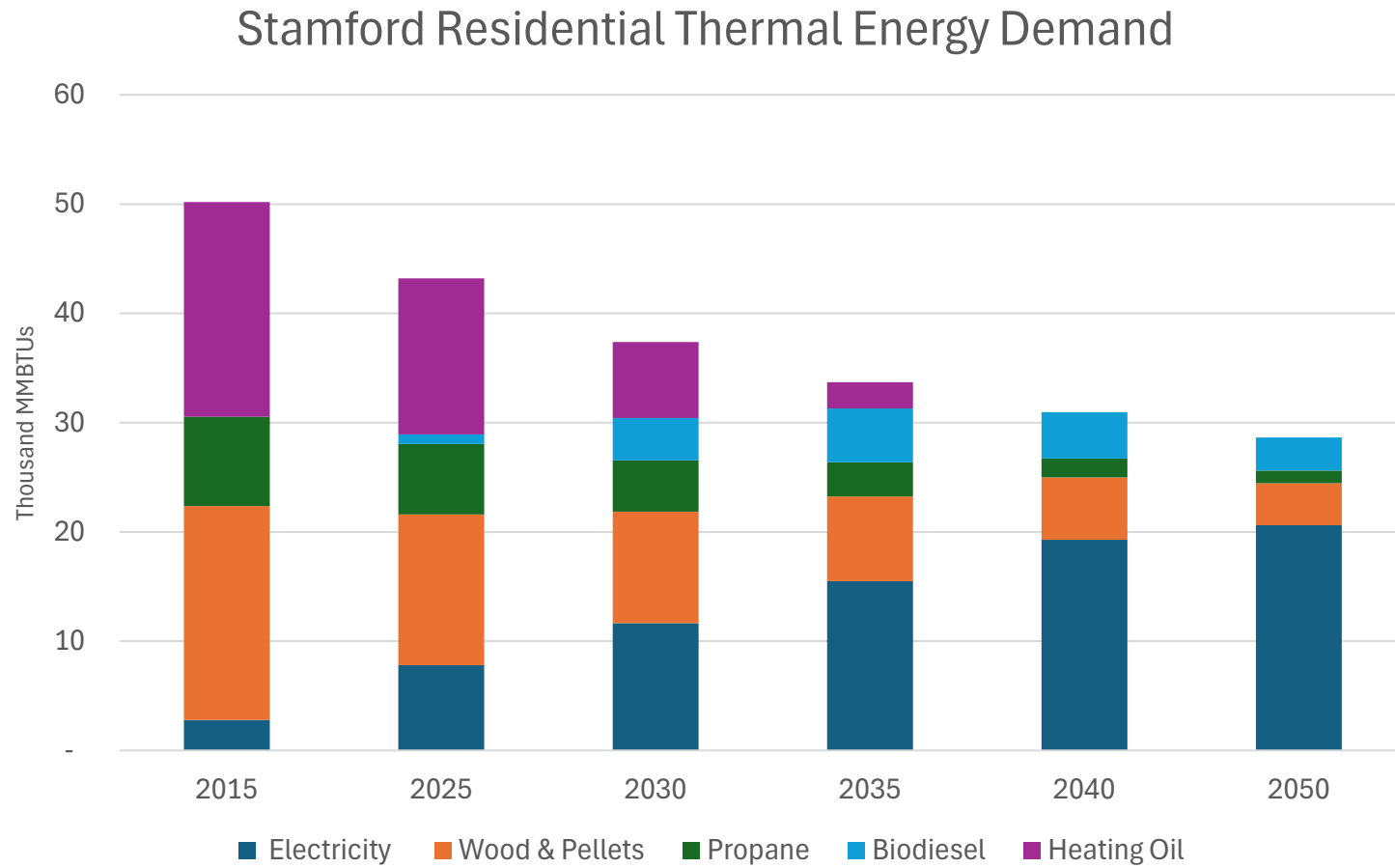
1 MMBTU = 1,000,000 BTU

Annual energy use is typically measured in units of Thousand MMBTUs

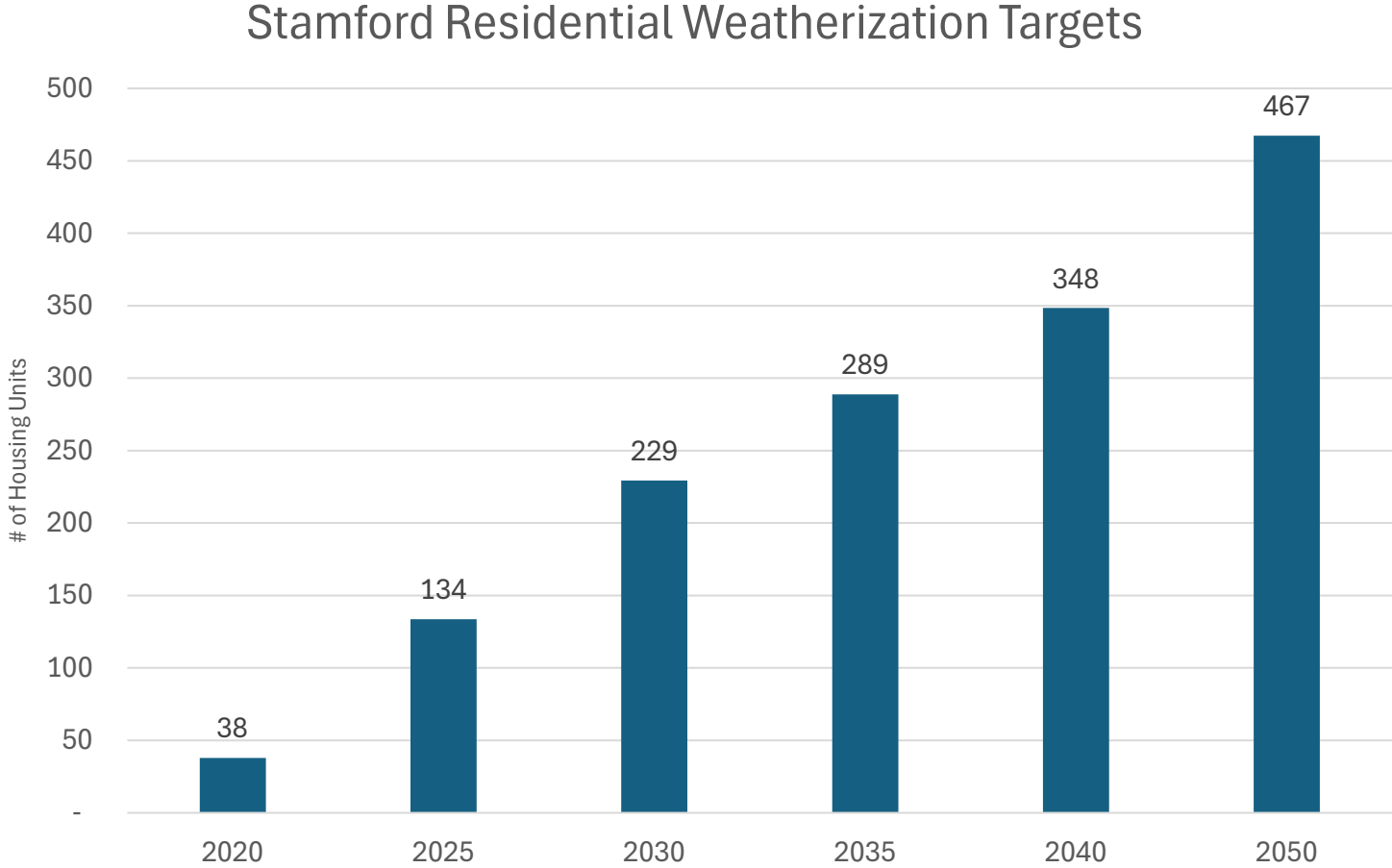
Residential Energy Demand & Targets



Residential Energy Demand & Targets

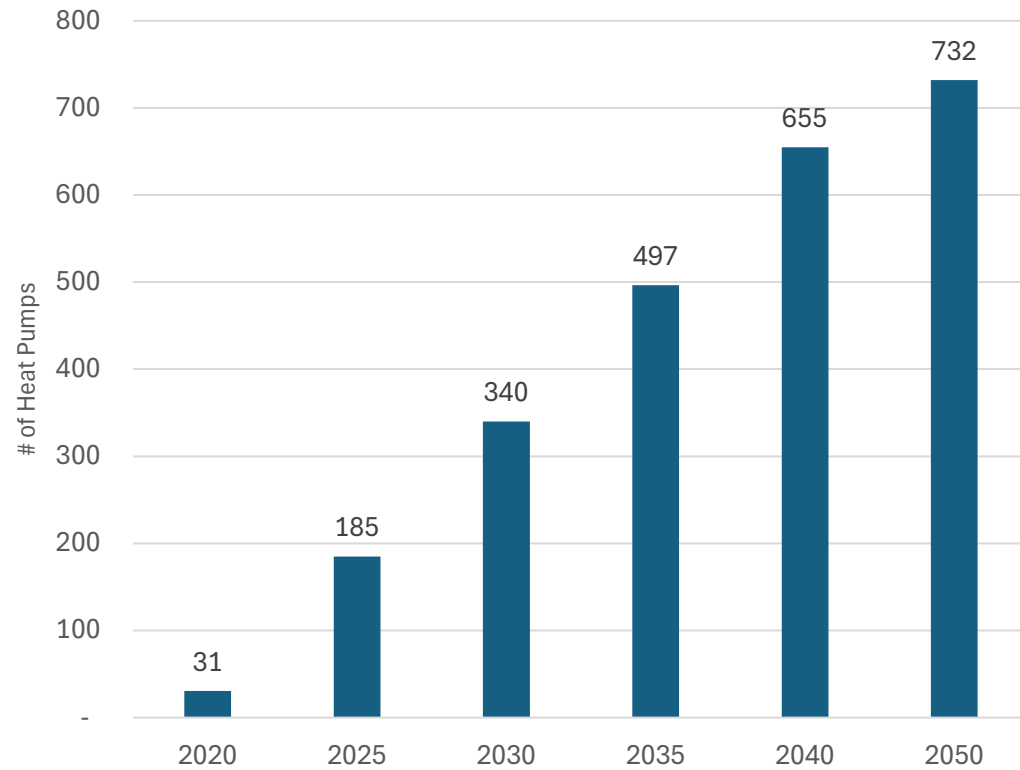


Residential Energy Demand & Targets

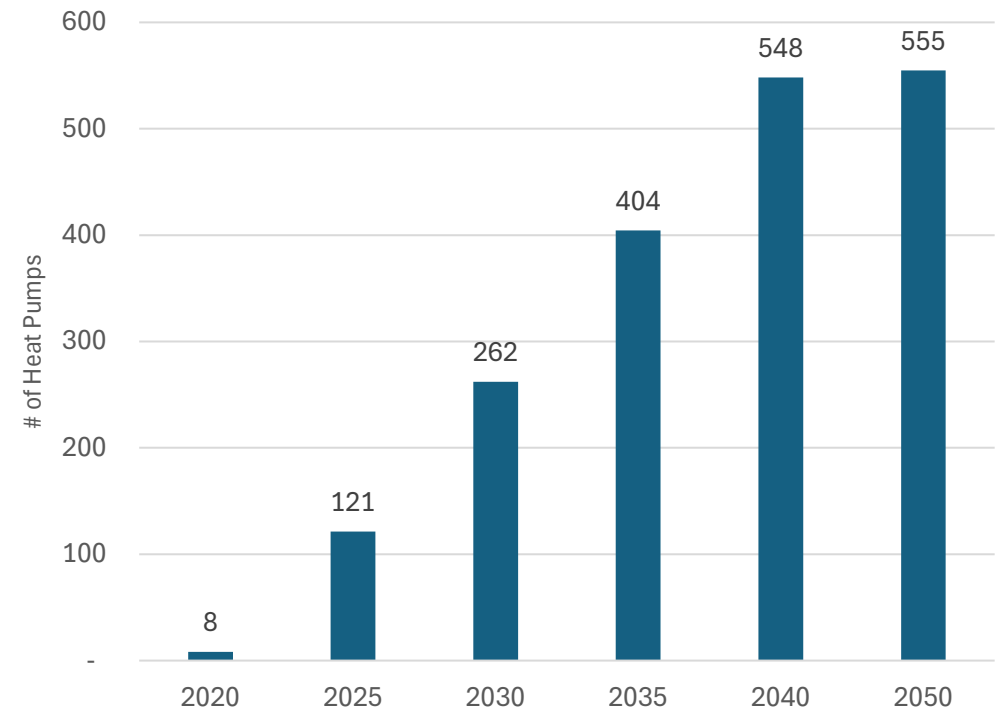


Residential Energy Demand & Targets

Stamford Residential Heat Pump Targets

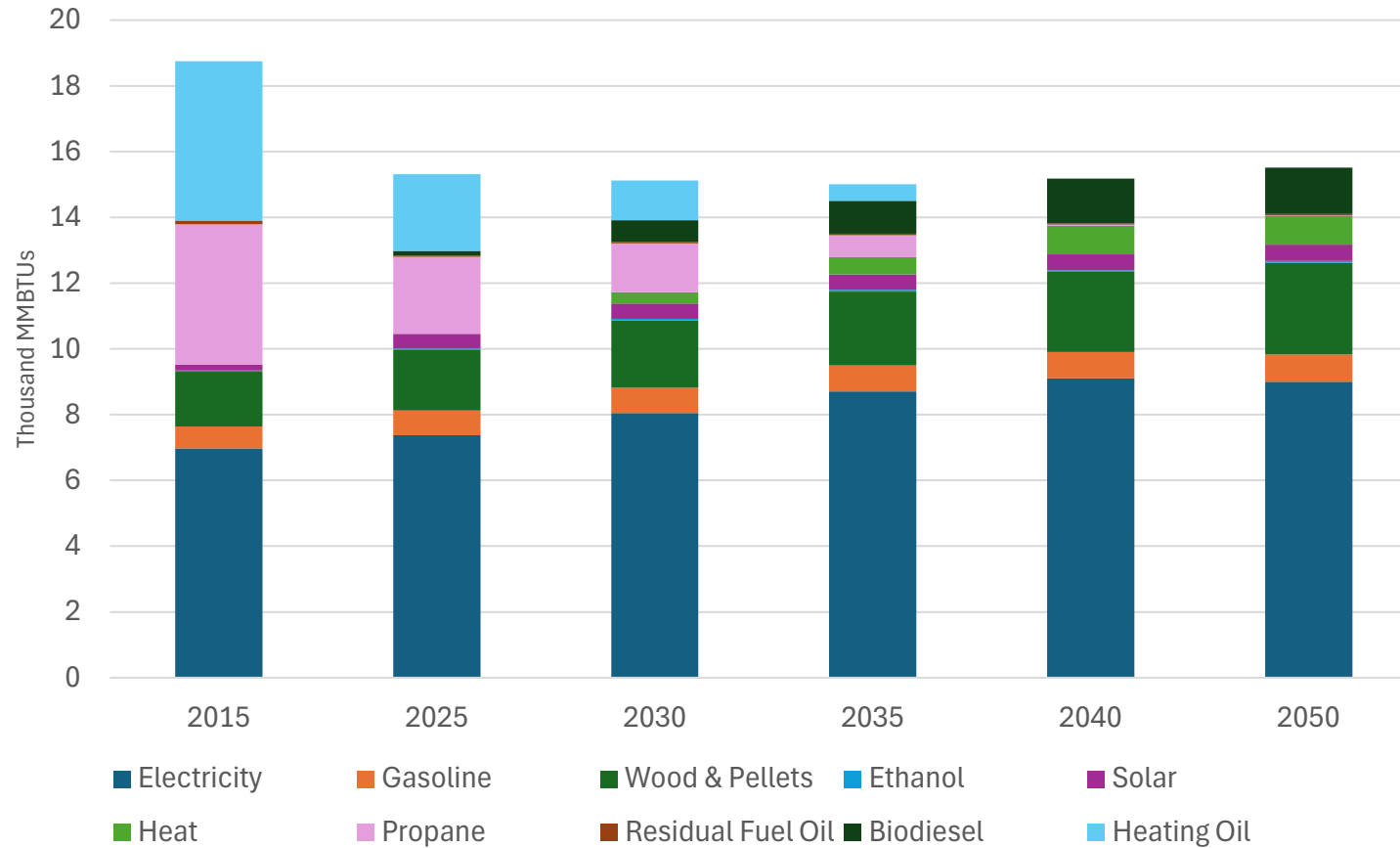


Stamford Residential Heat Pump Water Heater Targets

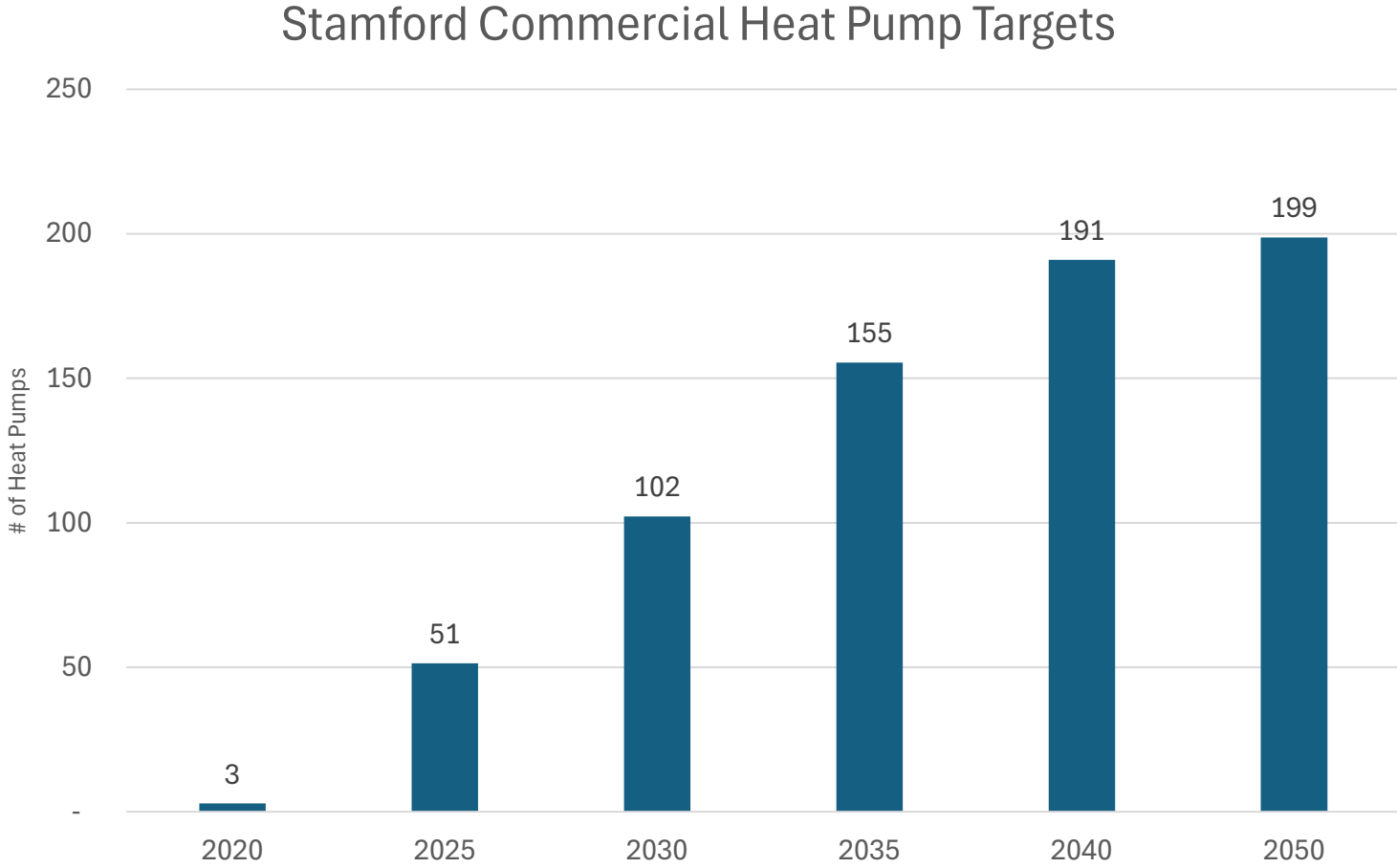


Commercial Energy Demand & Targets

Stamford Commercial Energy Demand

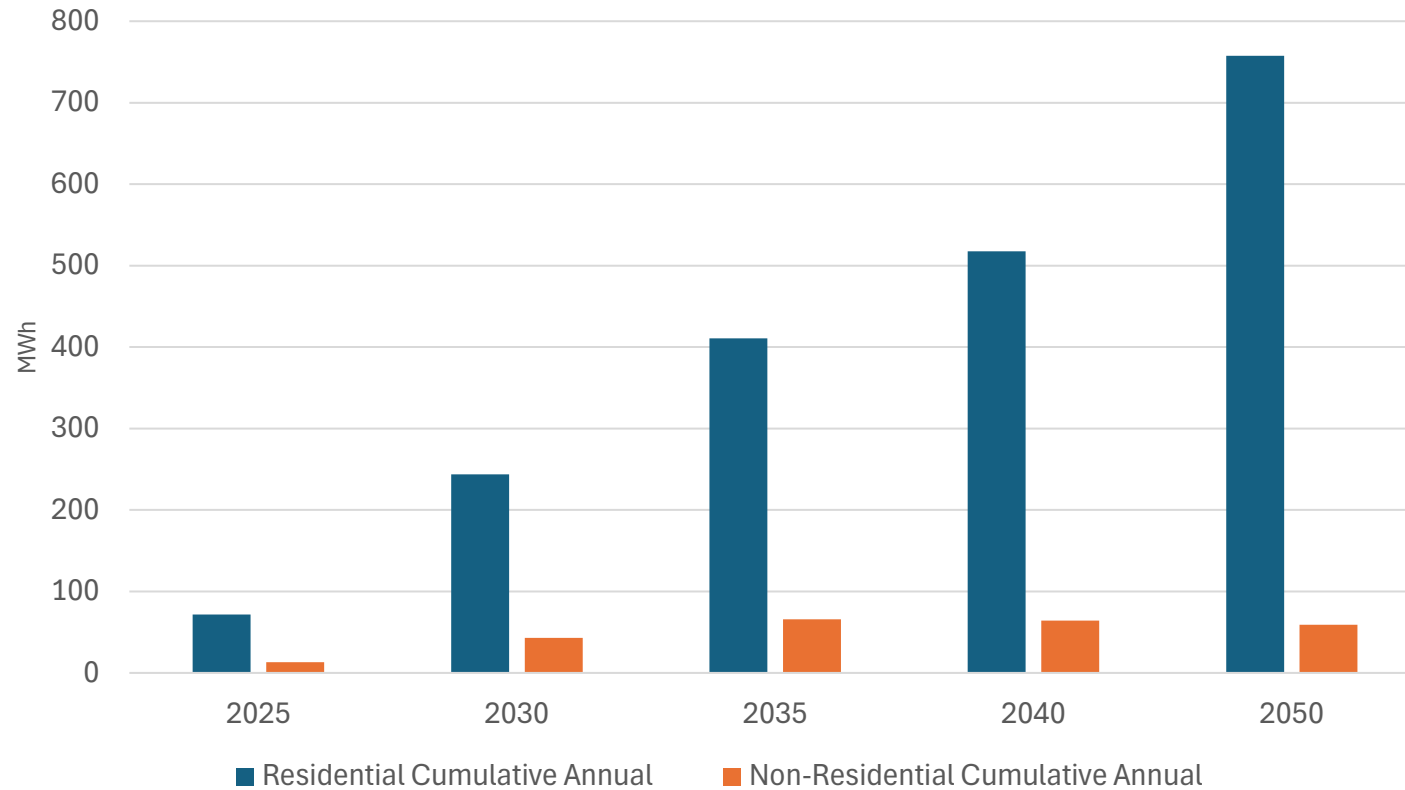


Commercial Energy Demand & Targets



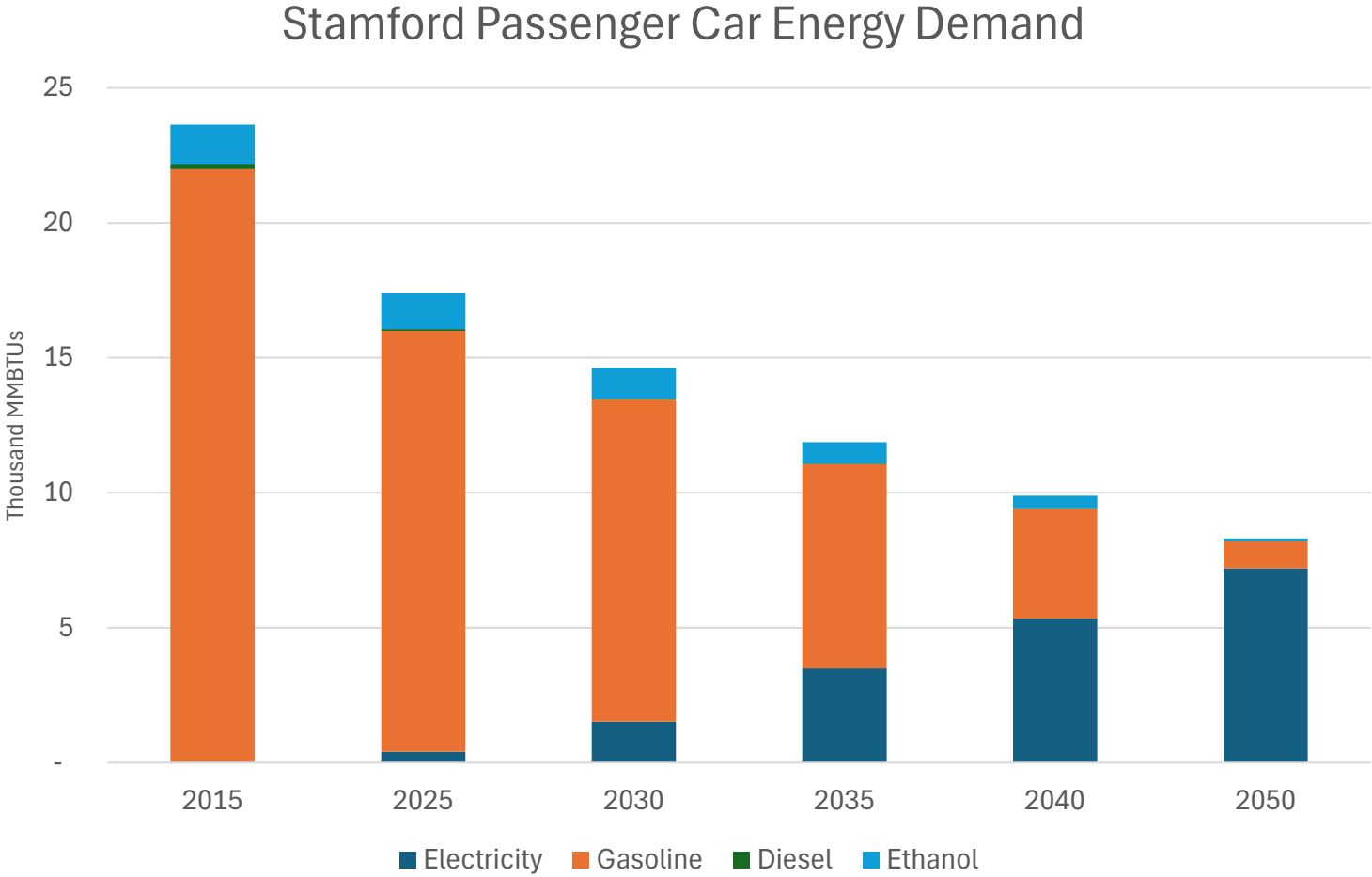
Electric Efficiency

Stamford Electric Efficiency Savings



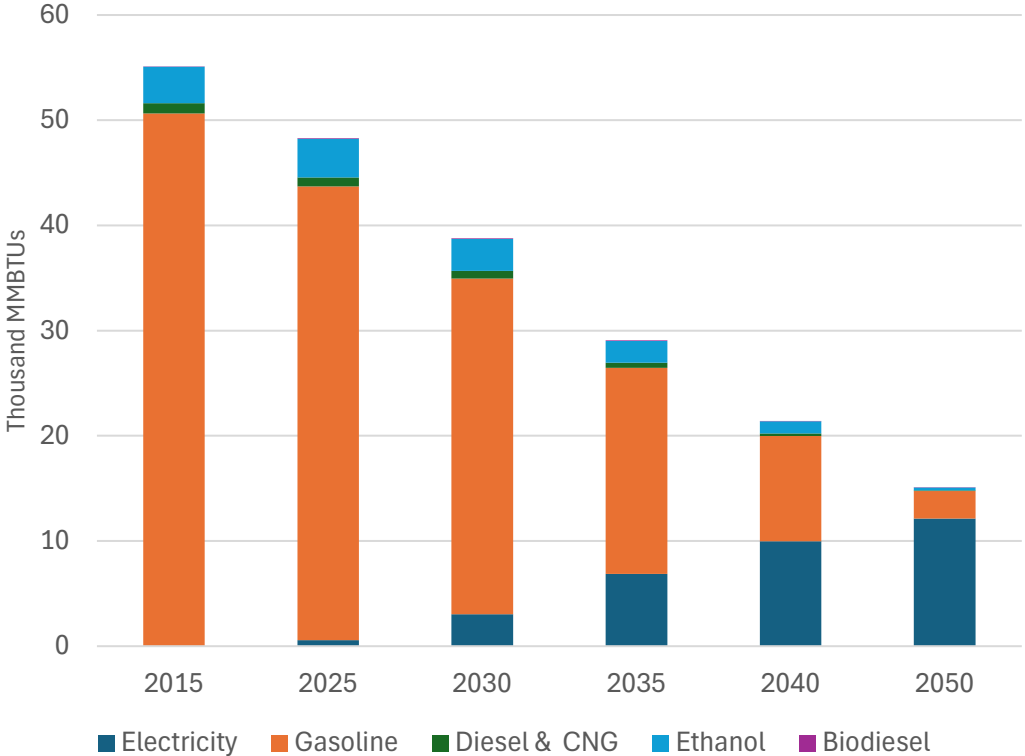
Data source: EEU Potential Study

Transportation Energy Demand & Targets

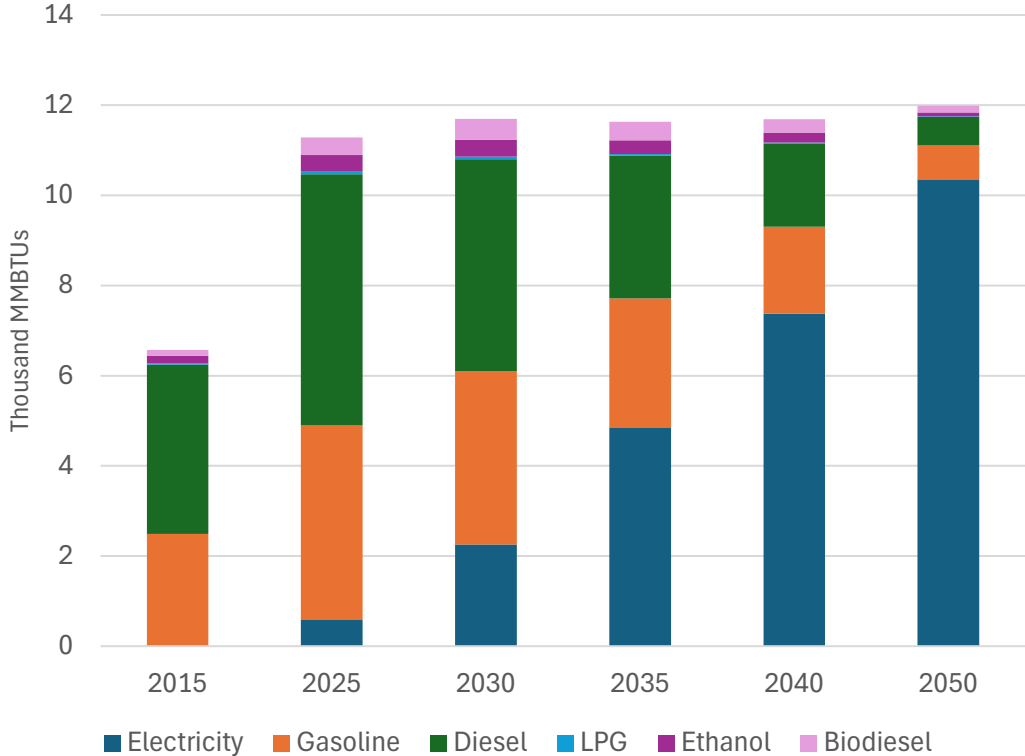


Transportation Energy Demand & Targets

Stamford Light Truck Energy Demand

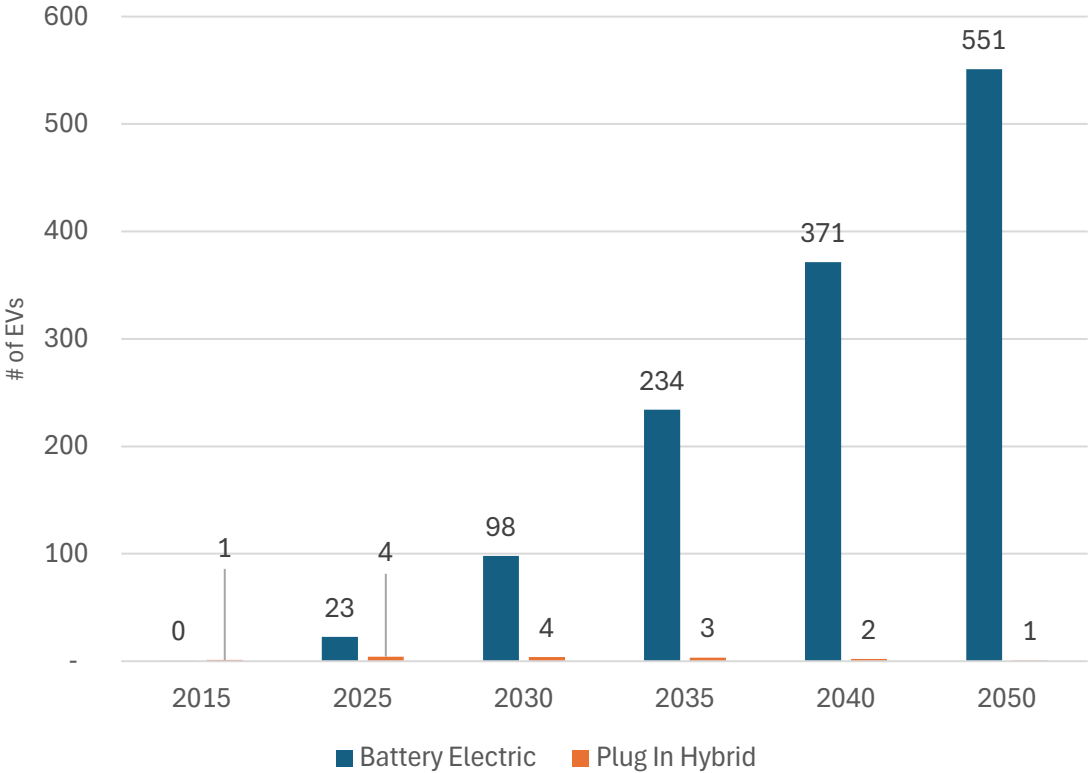


Stamford Medium Truck Energy Demand

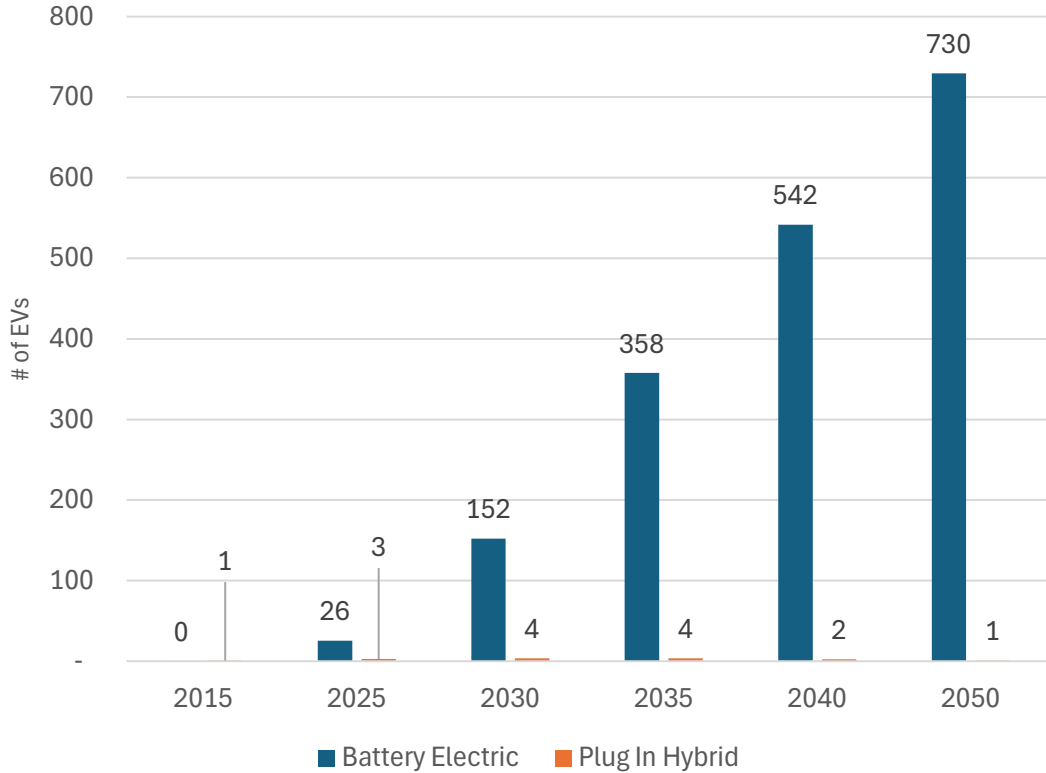


Transportation Energy Demand & Targets

Stamford EV and PHEV Targets



Stamford Light Truck EV and PHEV Targets



Renewable Energy Generation Targets (in MW)

YEAR	SOLAR	ROOFTOP SOLAR	WIND	HYDRO	TOTAL
2025	0.2	0.1	0.6	0	0.9
2035	0.4	0.3	1.2	0	1.9
2050	0.6	0.5	1.7	0	2.8

Additional data available at [Energy Planning - BCRC](#)