

LEAP Projections - Rupert

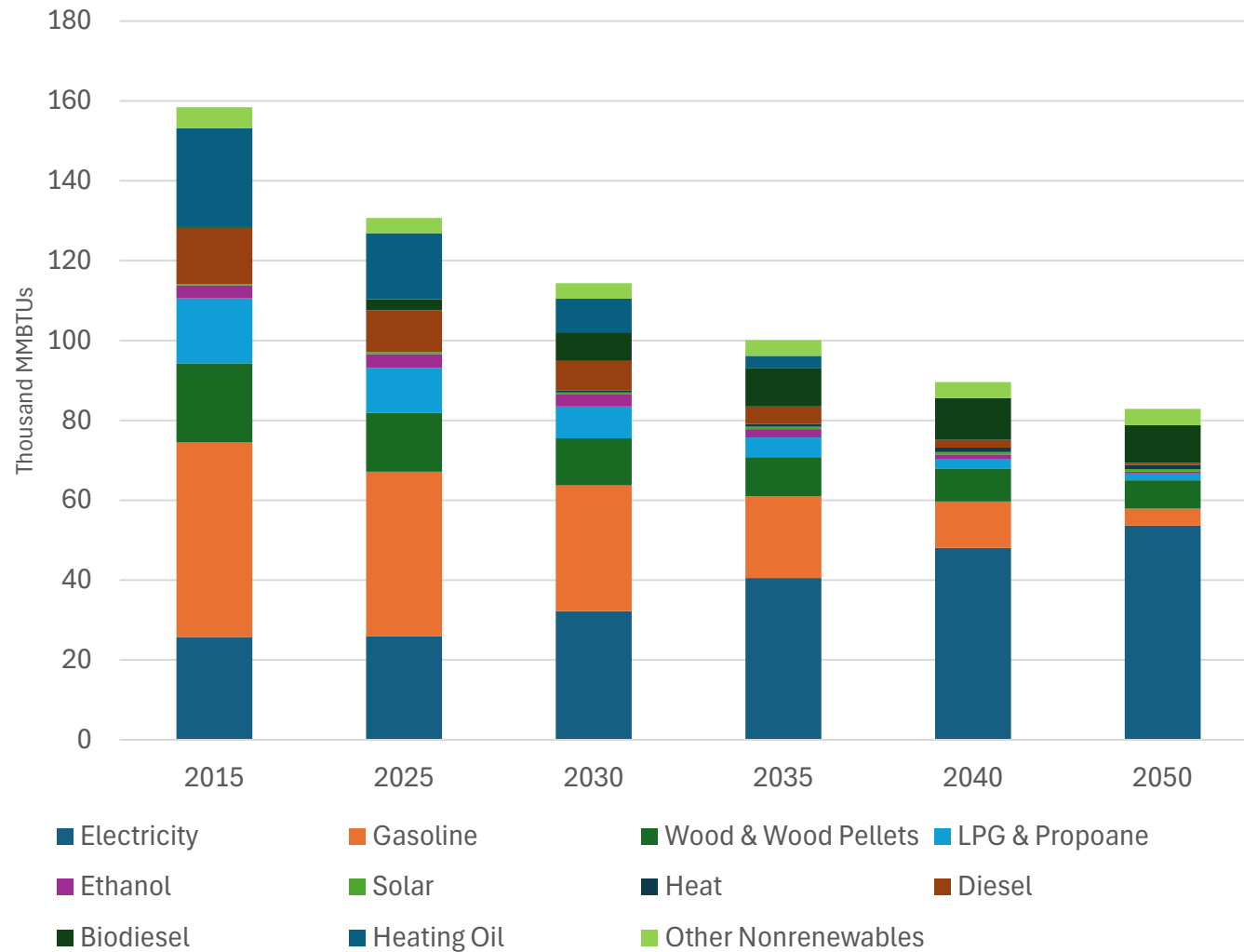
The following projections and targets come from the Low Emissions Analysis Platform (LEAP) model, which is a tool used by the State of Vermont to analyze and project energy demand across multiple sectors at the state and regional levels for the years 2015-2050. The general trends depicted in these LEAP 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](#)



Rupert 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.

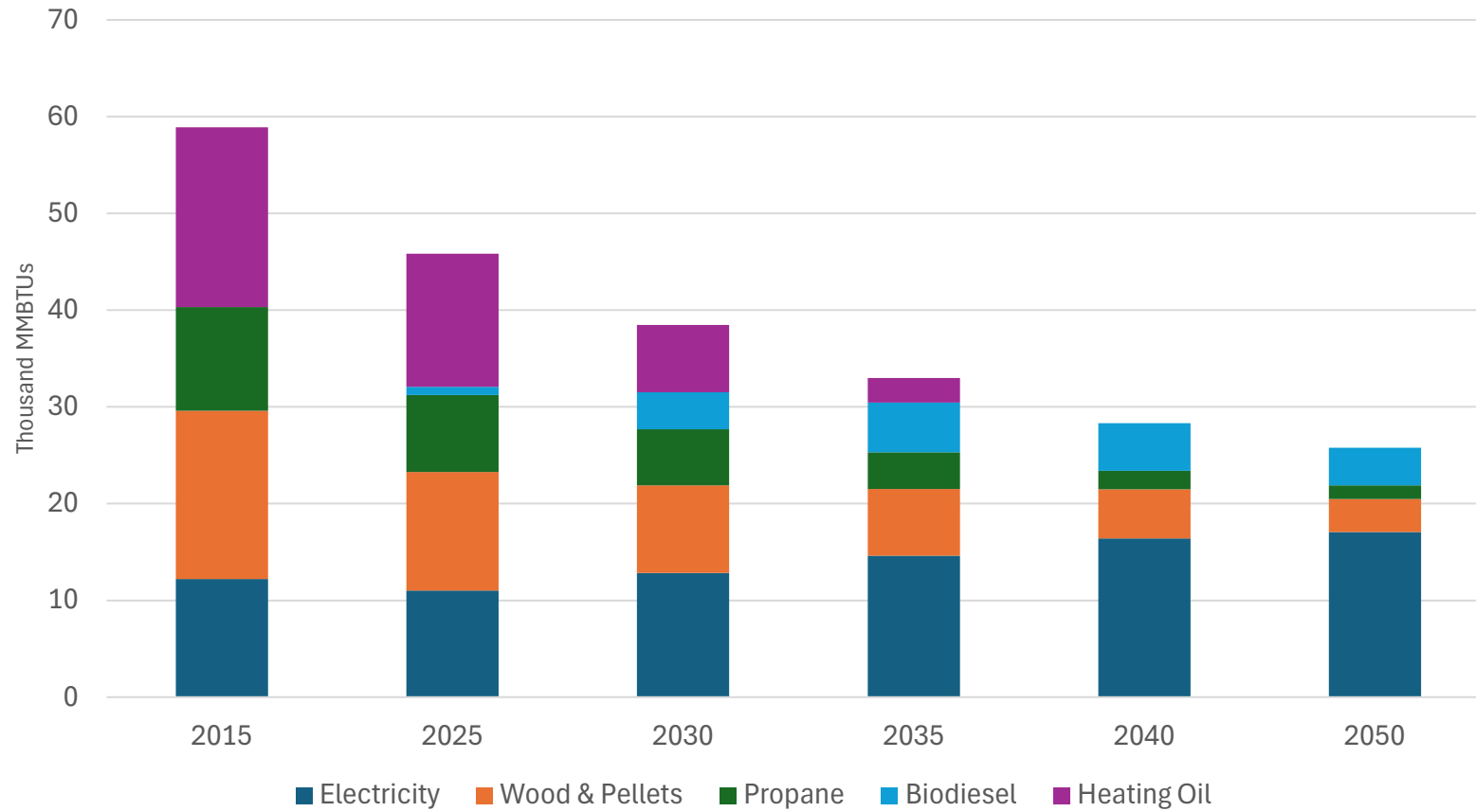
1 MBTU = 1,000 BTU

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Annual energy use is typically measured in units of Thousand MMBTUs

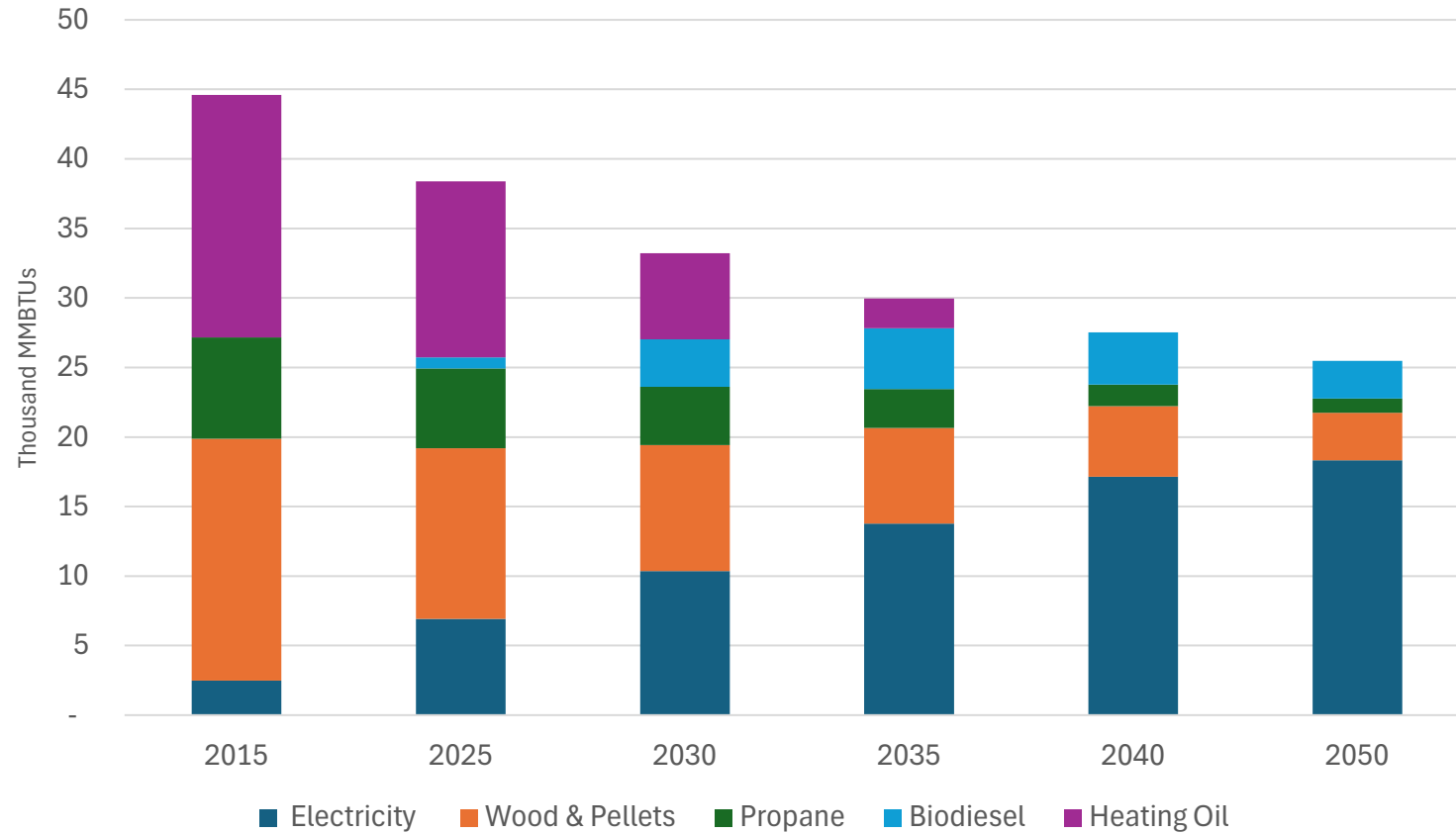
Residential Energy Demand & Targets

Rupert Residential Energy Demand



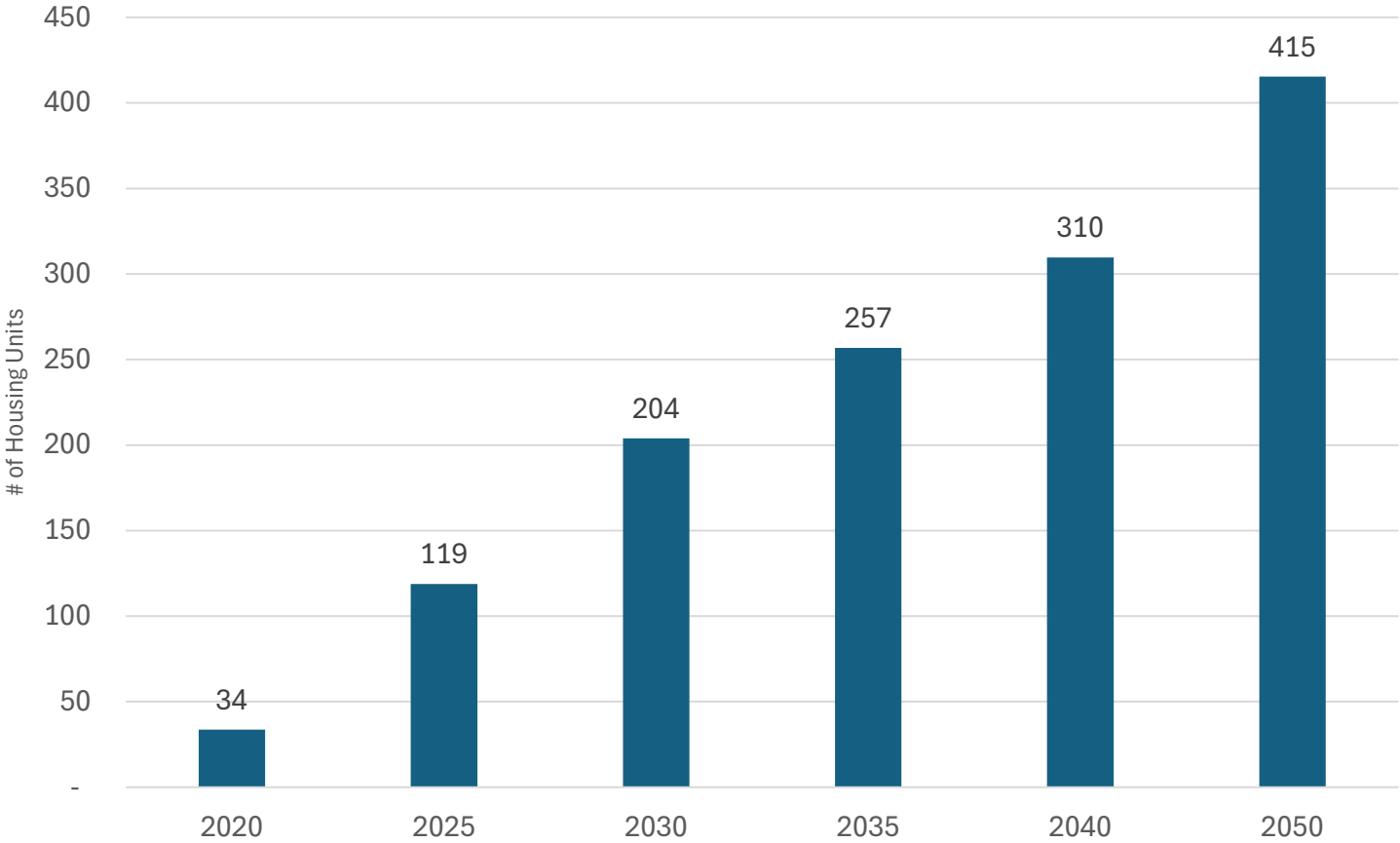
Residential Energy Demand & Targets

Rupert Residential Thermal Energy Demand



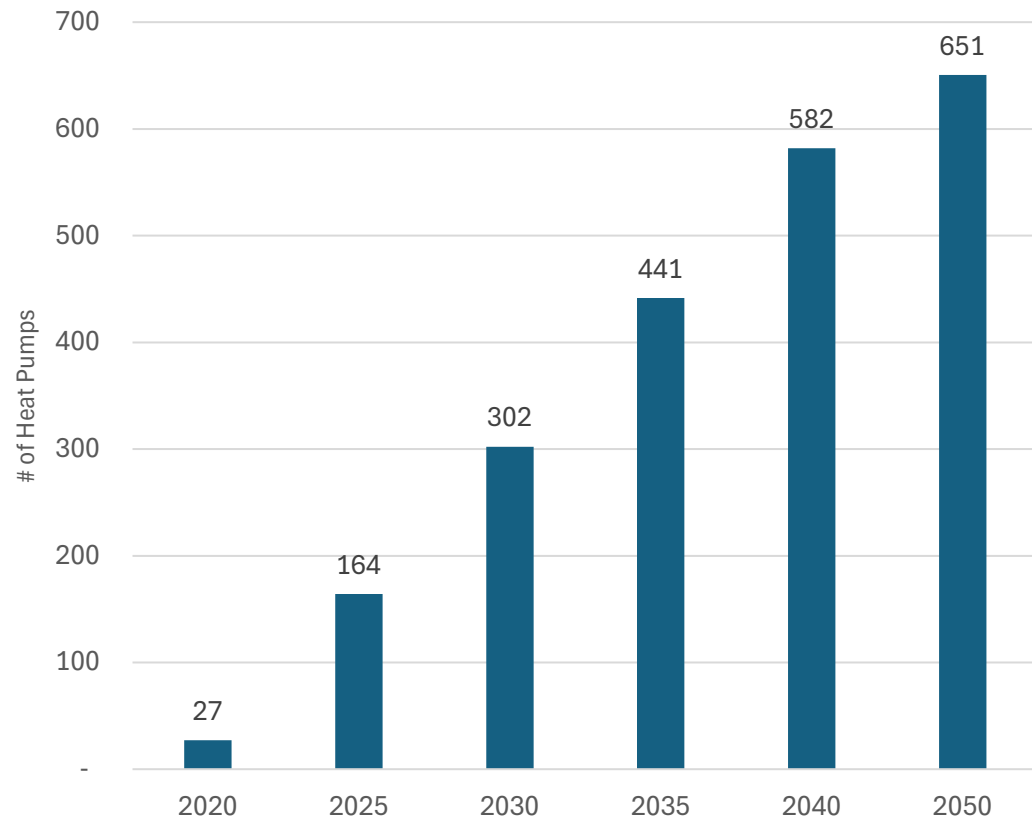
Residential Energy Demand & Targets

Rupert Residential Weatherization Targets

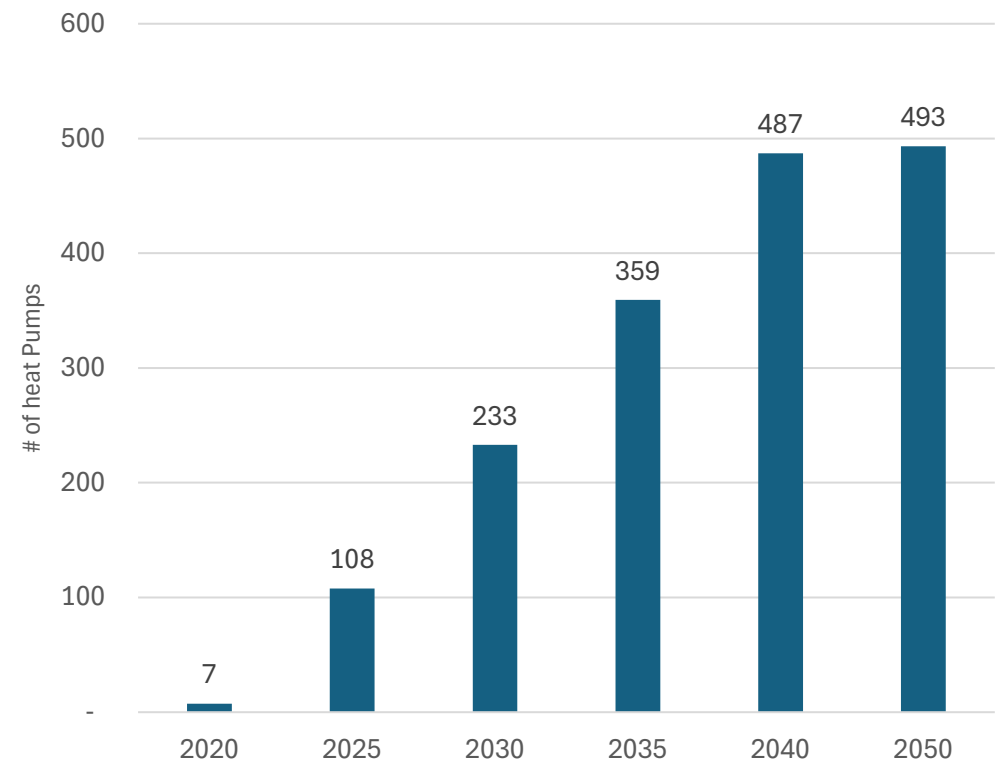


Residential Energy Demand & Targets

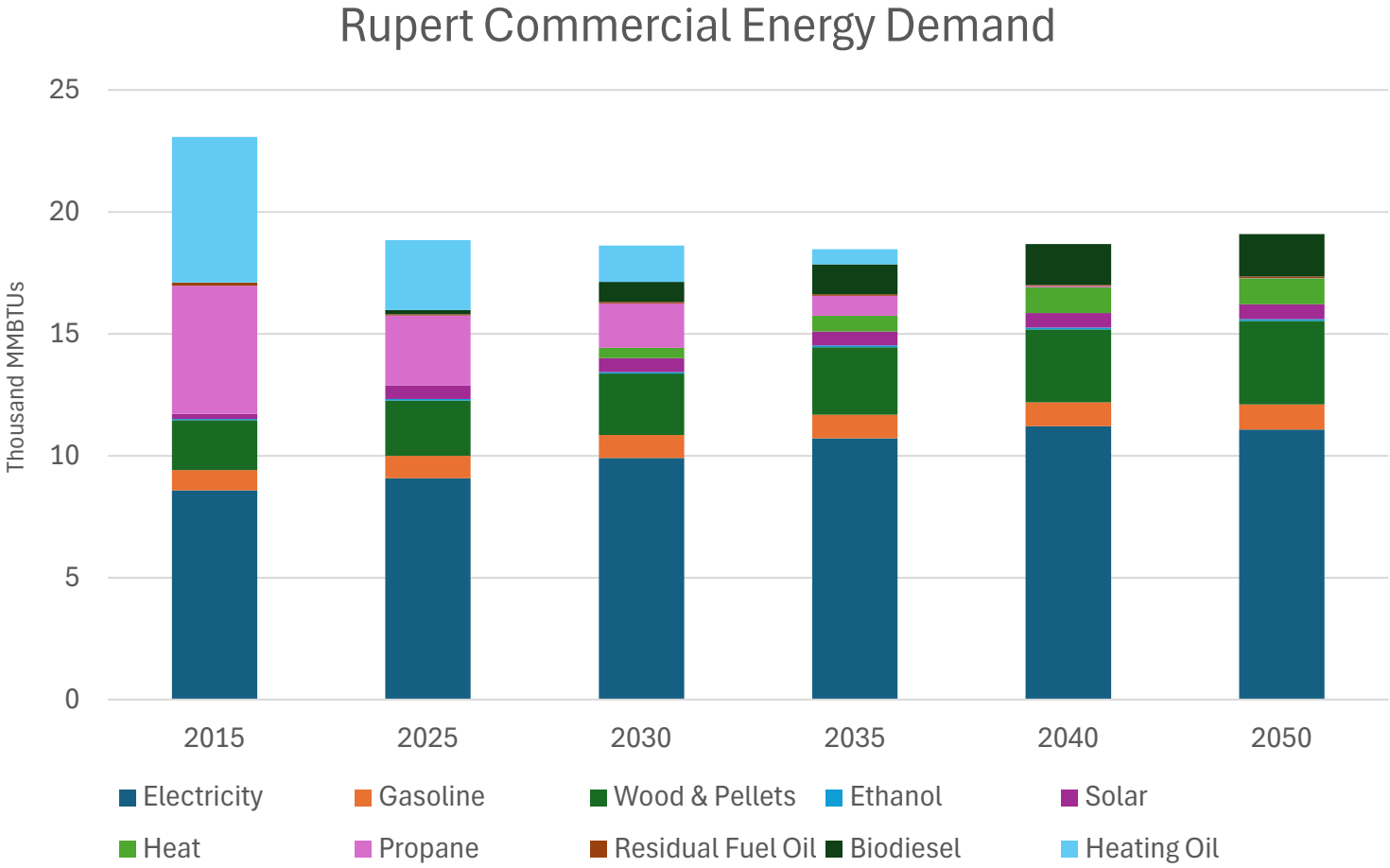
Rupert Residential Heat Pump Targets



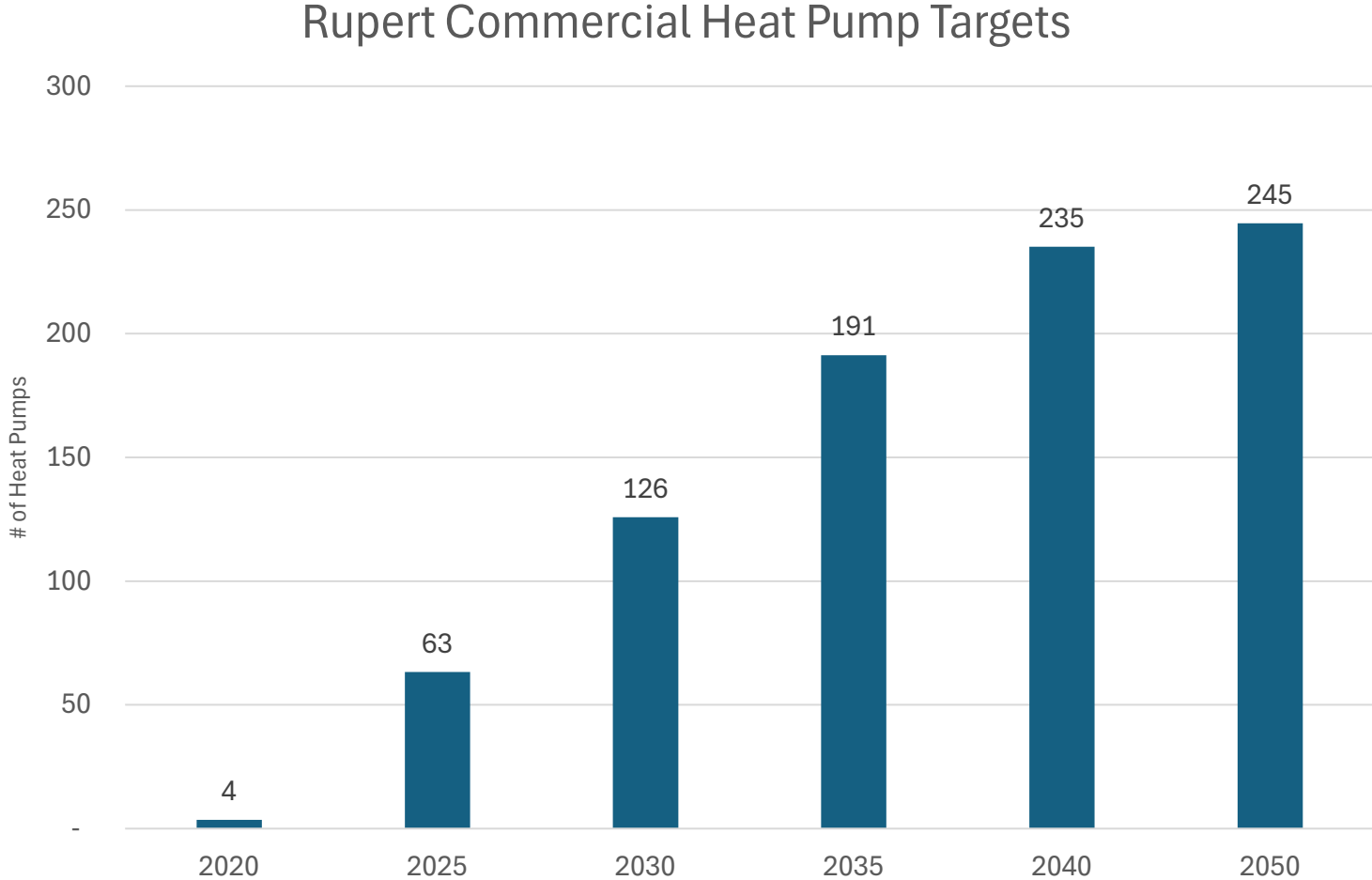
Rupert Residential Heat Pump Water Heater Targets



Commercial Energy Demand & Targets

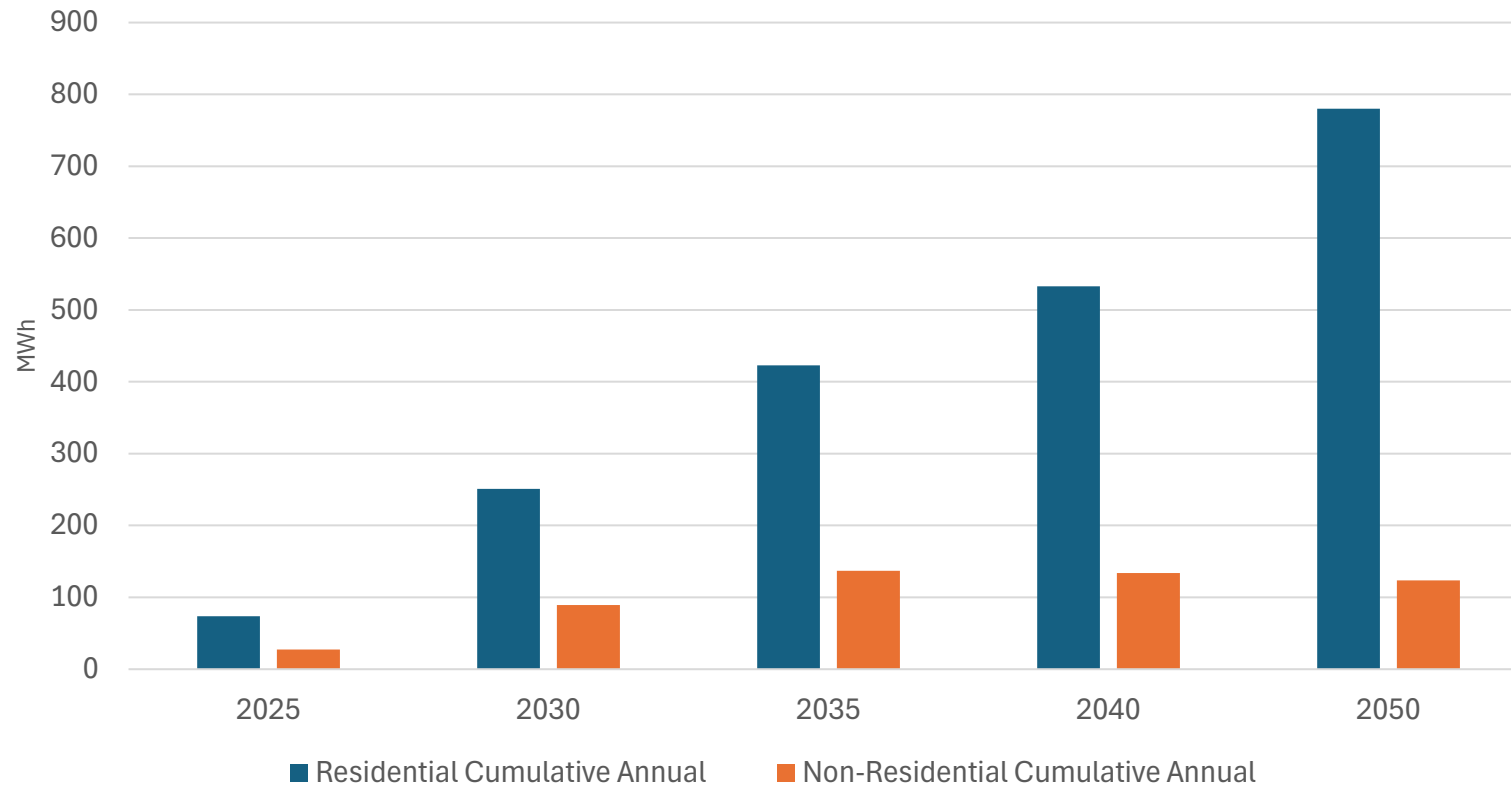


Commercial Energy Demand & Targets



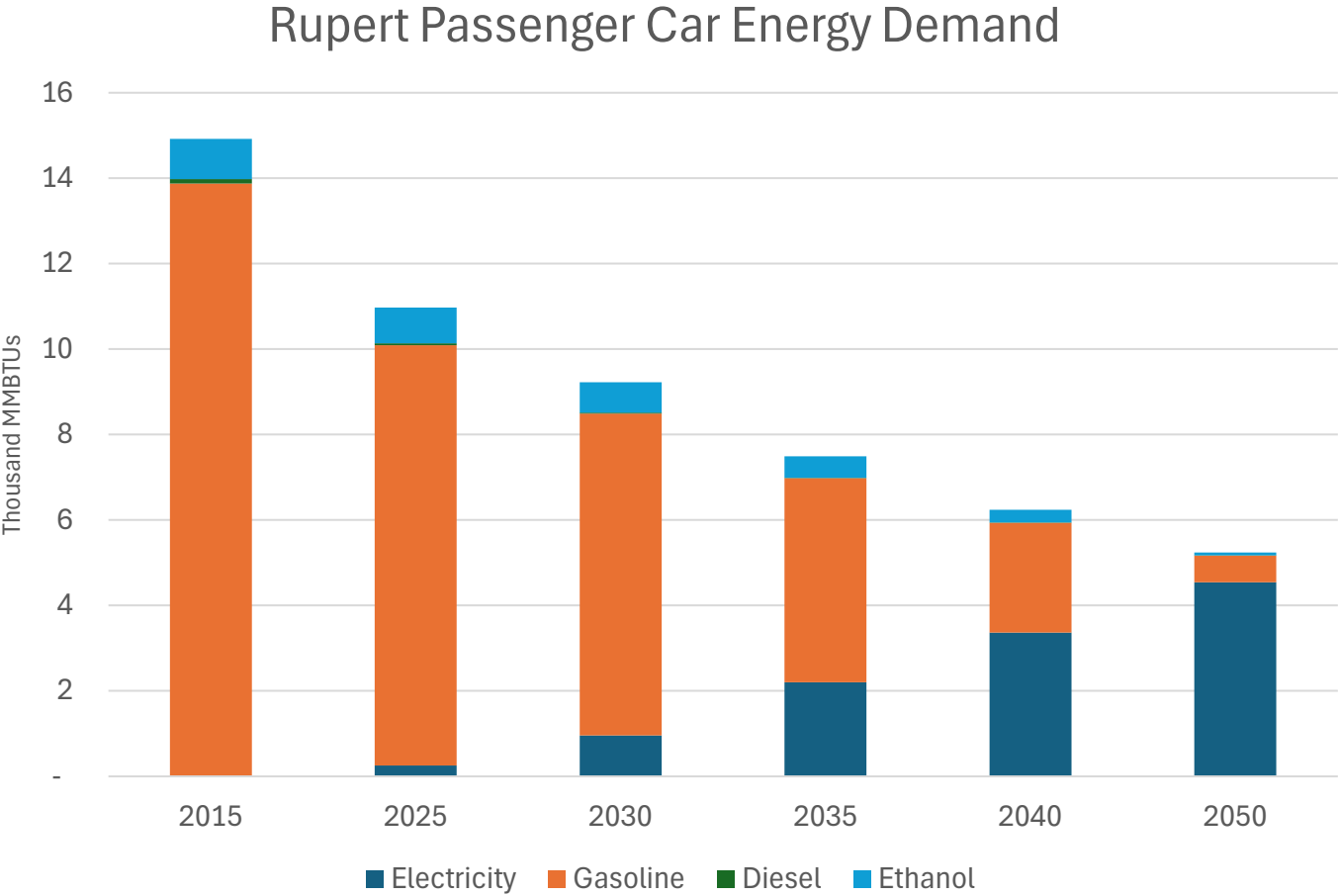
Electric Efficiency

Rupert Electric Efficiency Savings



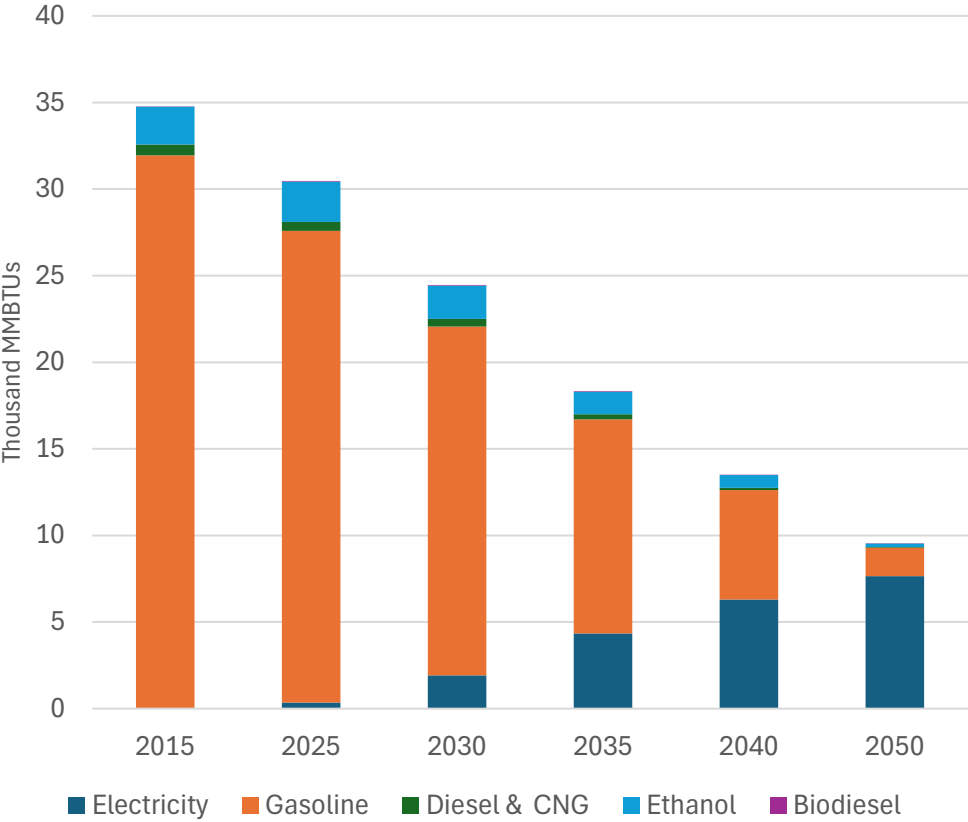
Data source: EEU Potential Study

Transportation Energy Demand & Targets

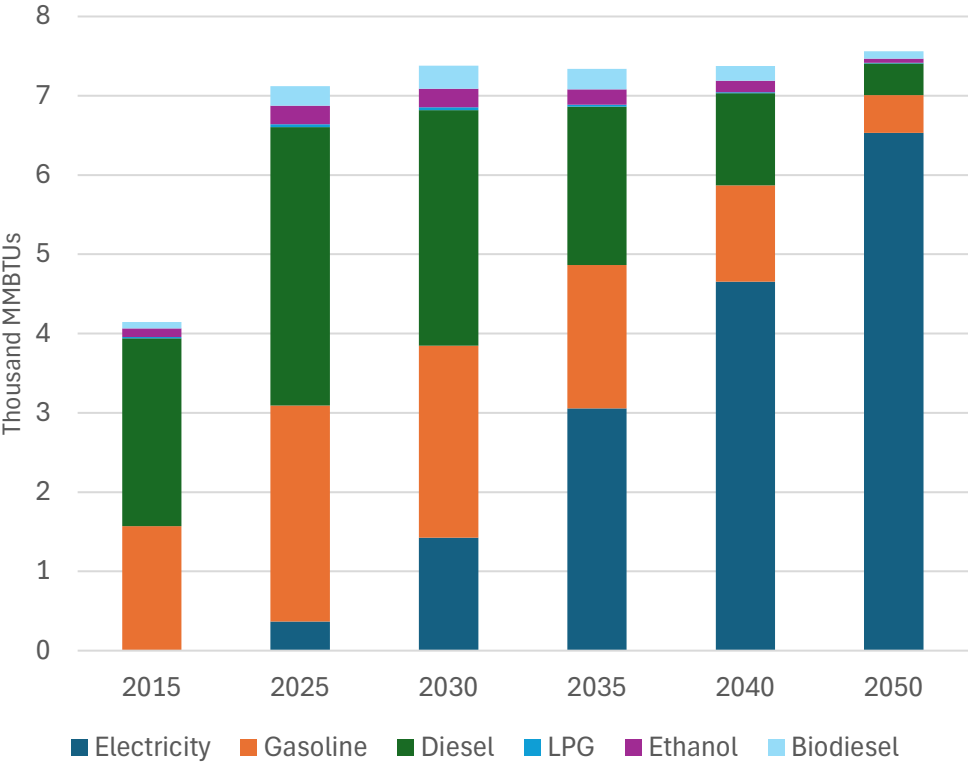


Transportation Energy Demand & Targets

Rupert Light Truck Energy Demand

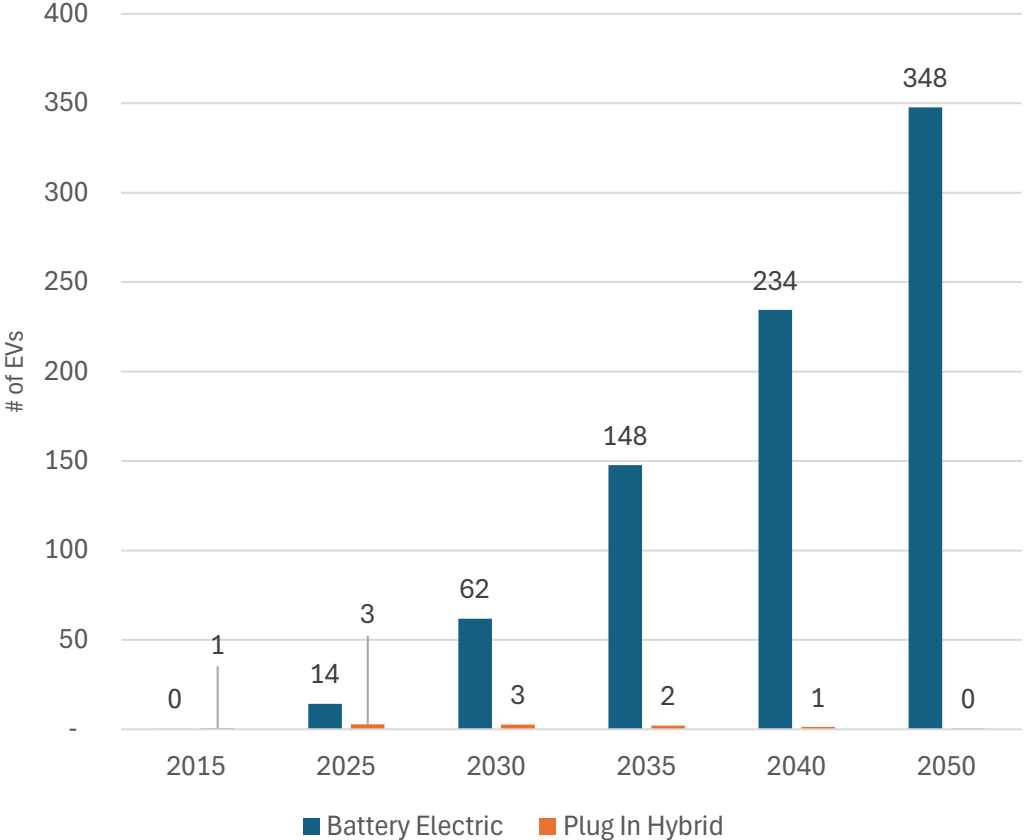


Rupert Medium Truck Final Energy Demand

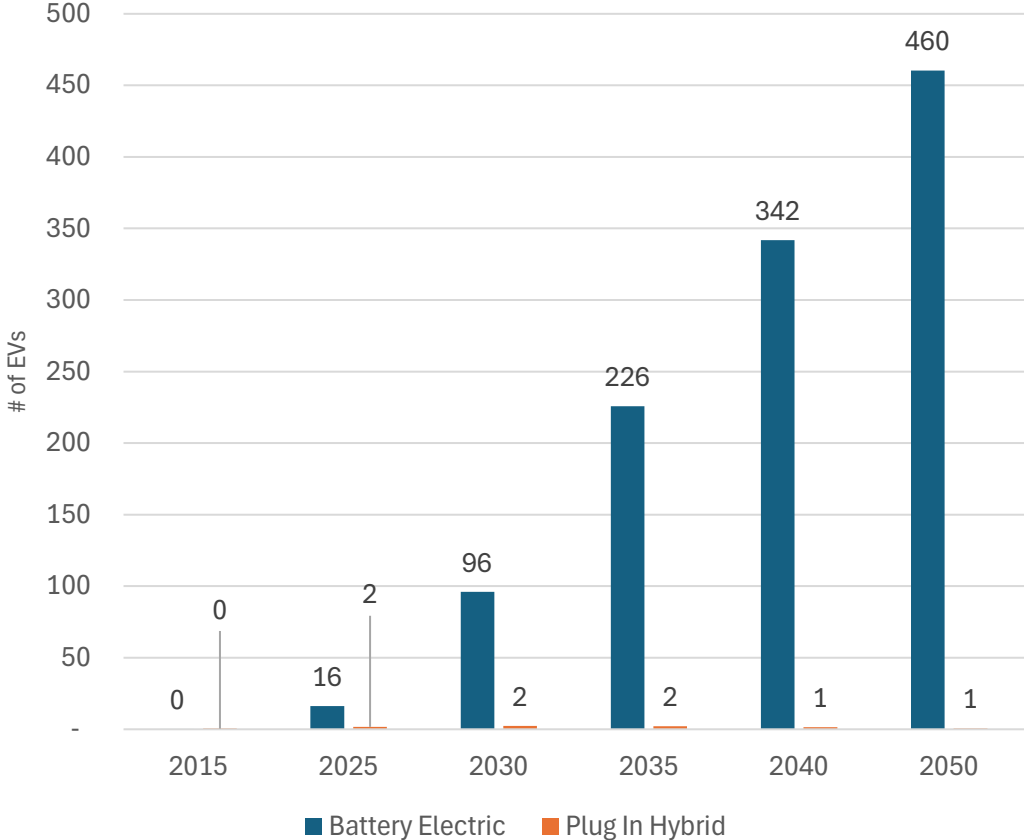


Transportation Energy Demand & Targets

Rupert EV and PHEV Targets



Rupert Light Truck EV and PHEV Targets



Renewable Energy Generation Targets (in MW)

YEAR	SOLAR	ROOFTOP SOLAR	WIND	HYDRO	TOTAL
2025	0.2	0.1	1.3	0	1.6
2035	0.4	0.3	2.4	0	3.1
2050	0.6	0.5	3.5	0	4.6

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