

LEAP Projections - Pownal

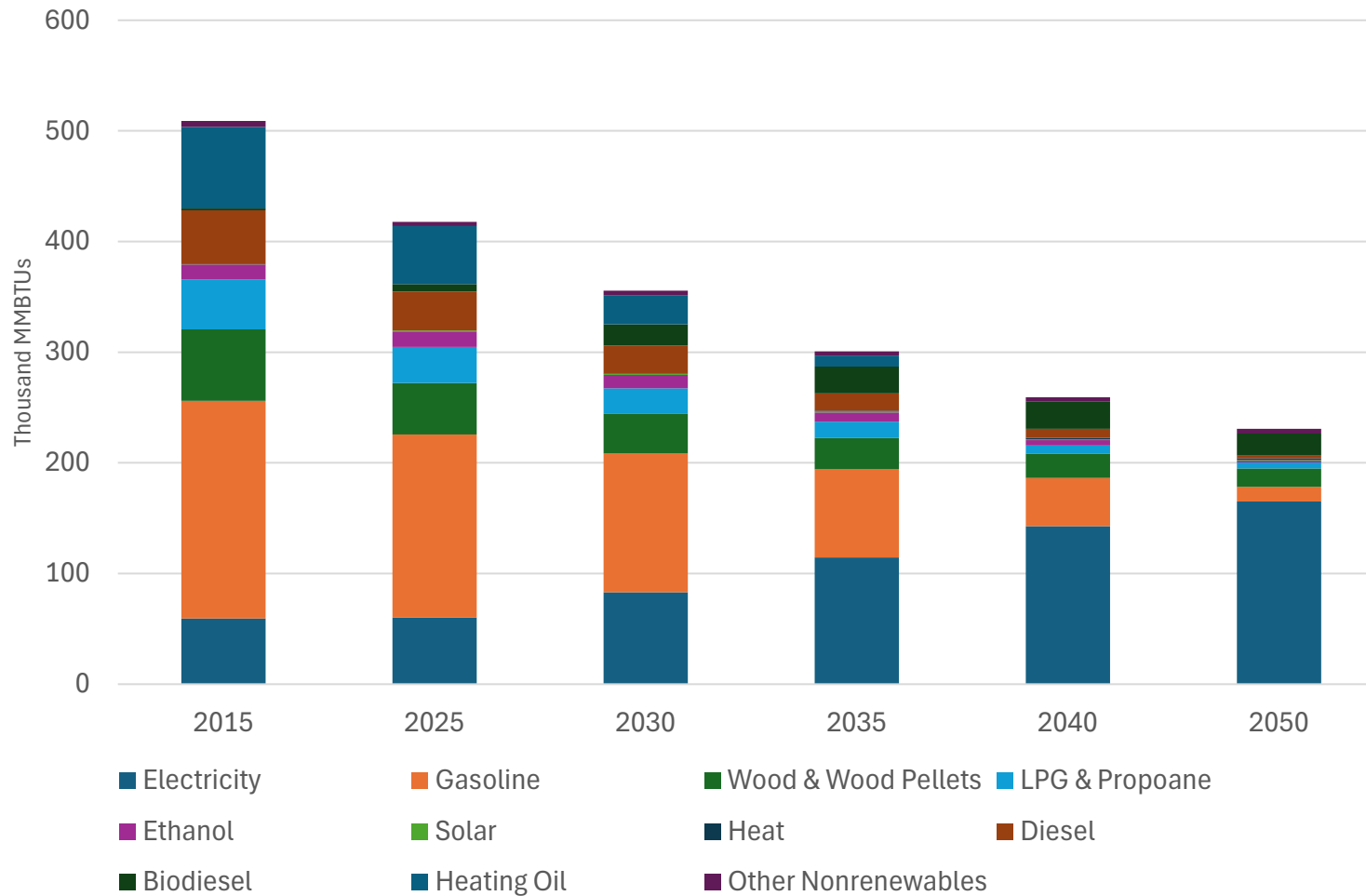
The following projections and targets come from the Low Emissions Analysis Platform (LEAP) model, which is a tool used by the State of Vermont to analyze and project energy demand across multiple sectors at the state and regional levels for the years 2015-2050. The general trends depicted in these LEAP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



Pownal Total Energy Demand by Fuel Type



What is a BTU?

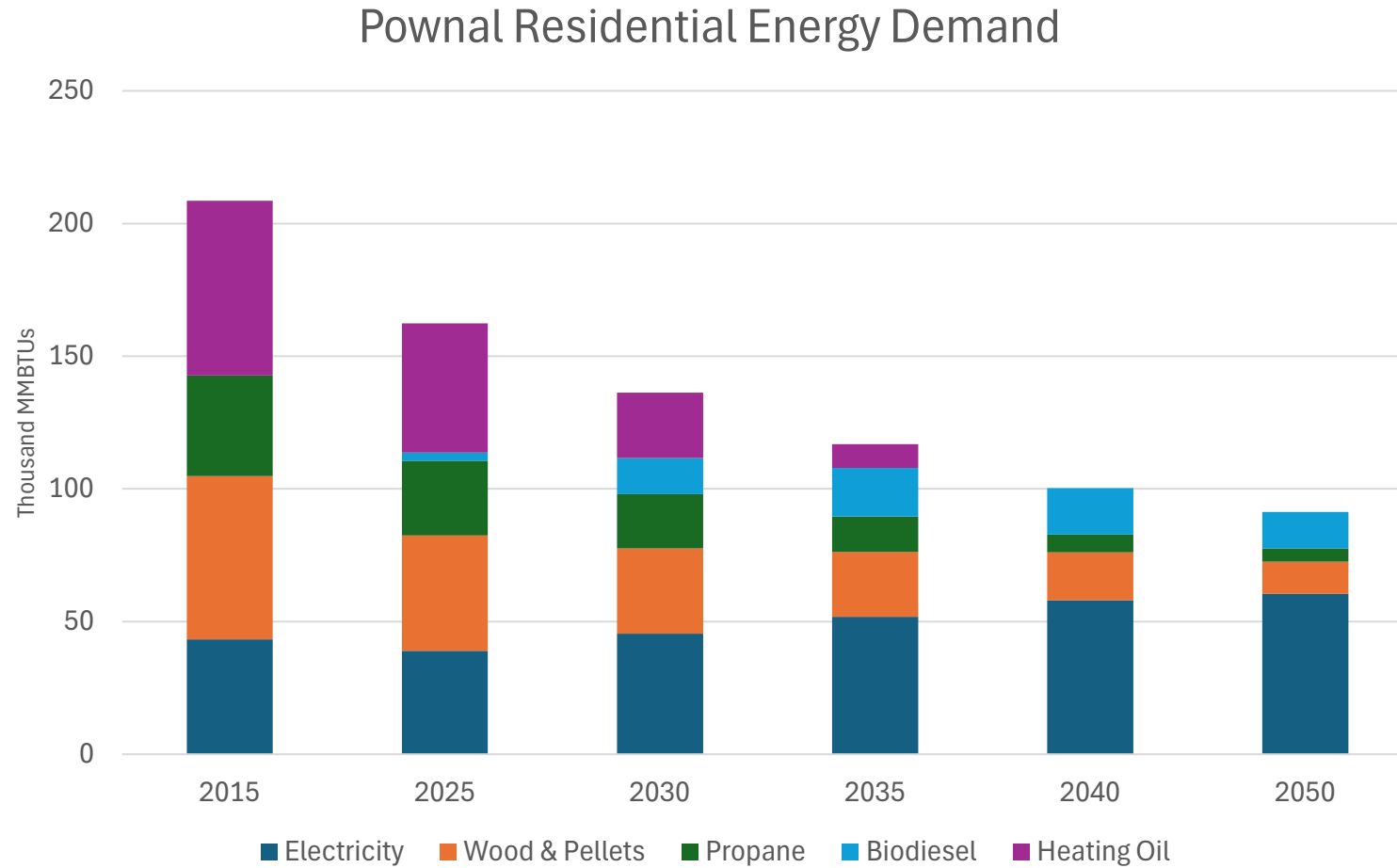
A BTU, or British Thermal Unit, is a measure of energy value or heat content. A BTU is the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit at a constant pressure of one atmospheric unit.

1 MBTU = 1,000 BTU

1 MMBTU = 1,000,000 BTU

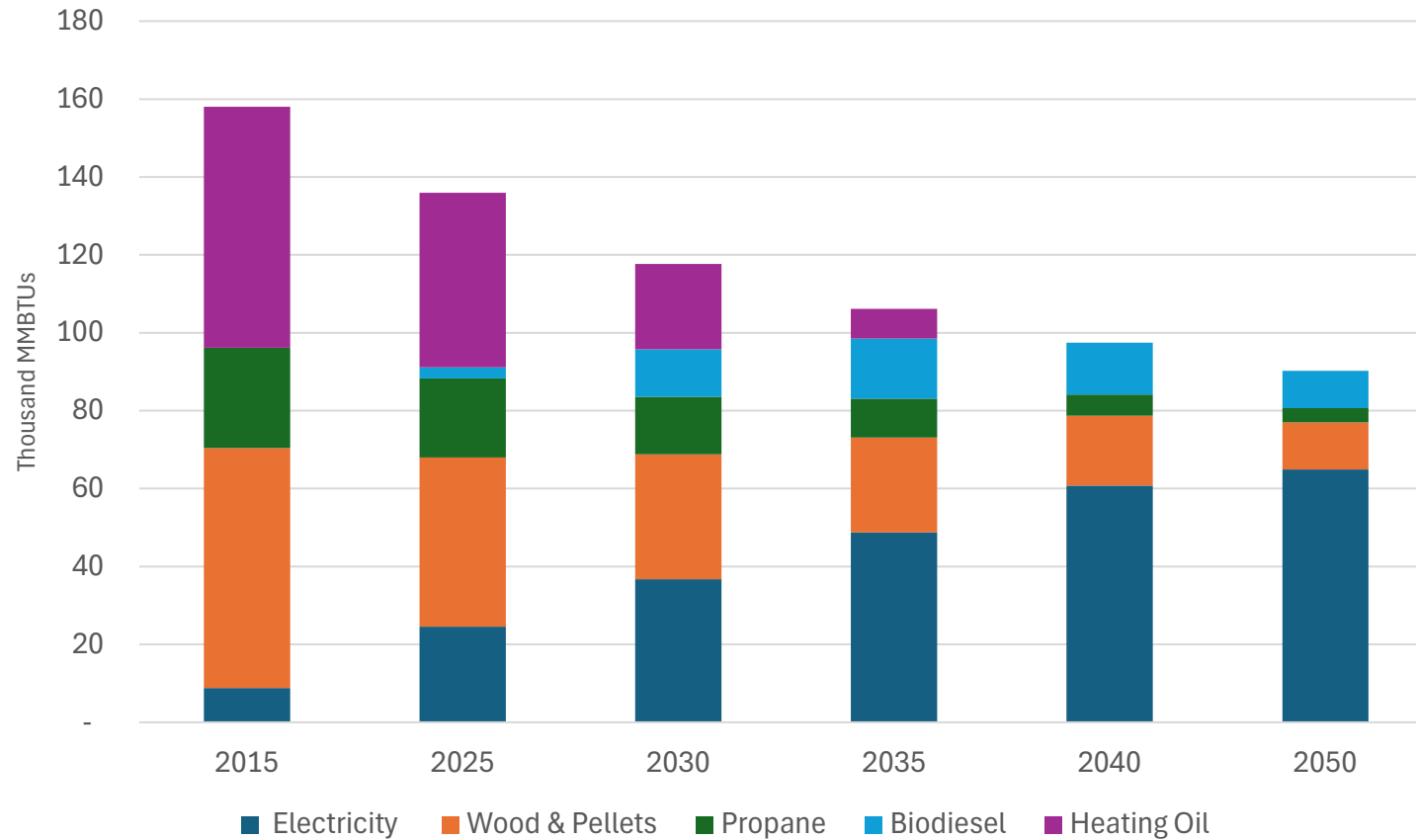
Annual energy use is typically measured in units of Thousand MMBTUs

Residential Energy Demand & Targets

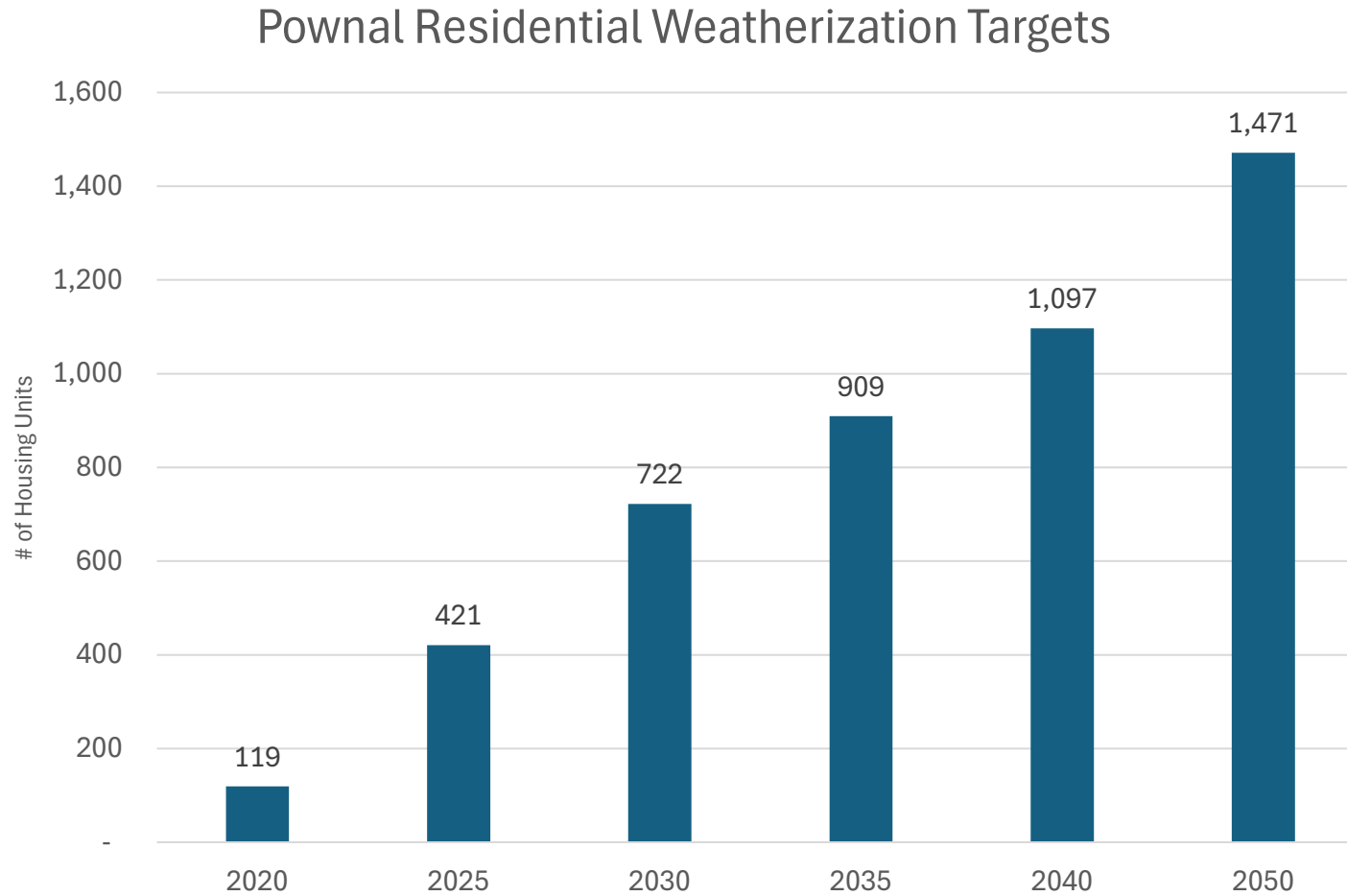


Residential Energy Demand & Targets

Pownal Residential Energy Demand for Heating

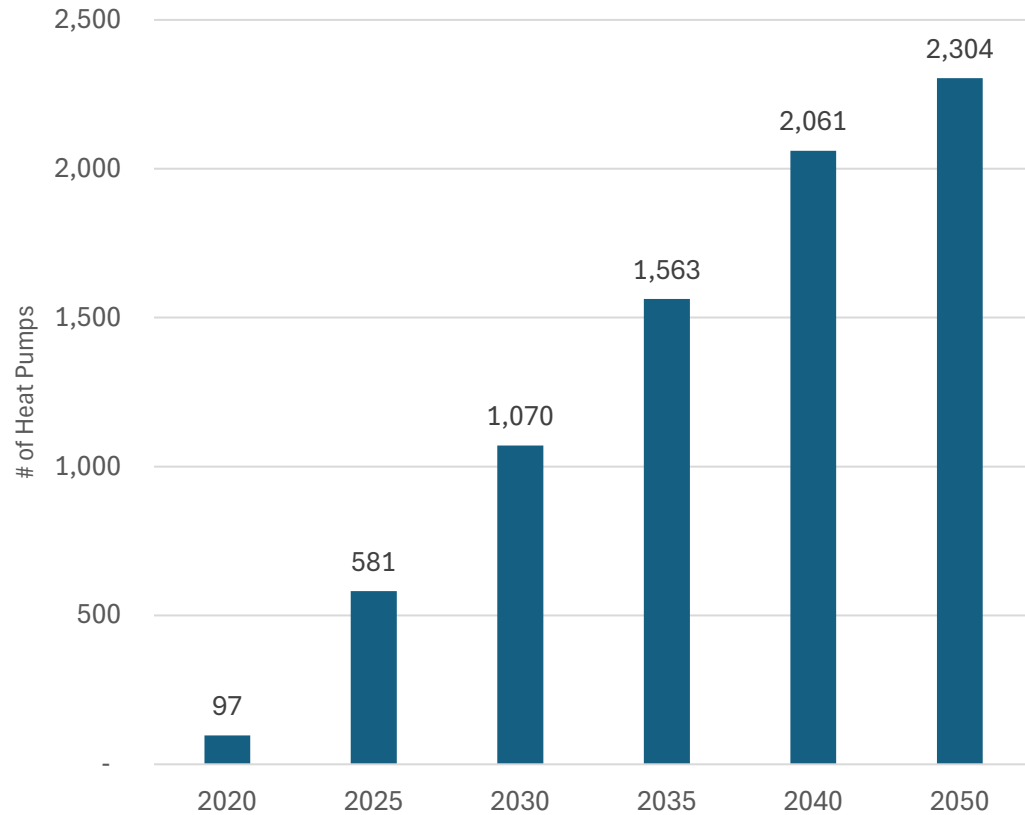


Residential Energy Demand & Targets

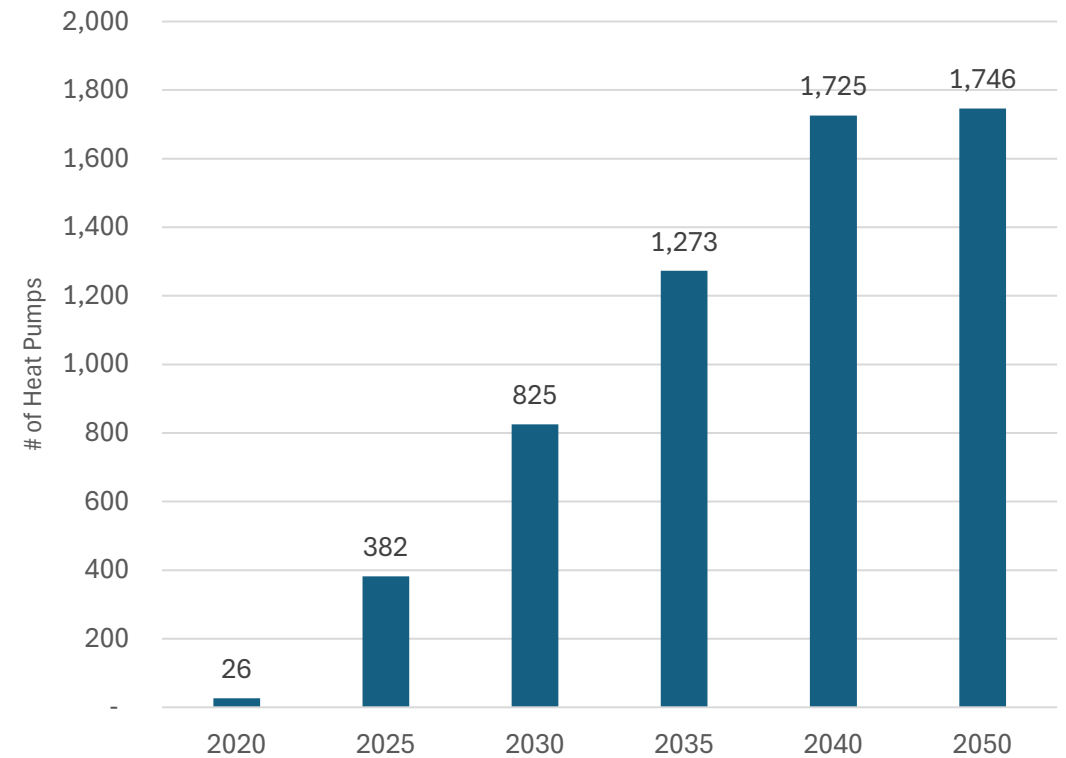


Residential Energy Demand & Targets

Pownal Residential Heat Pump Targets

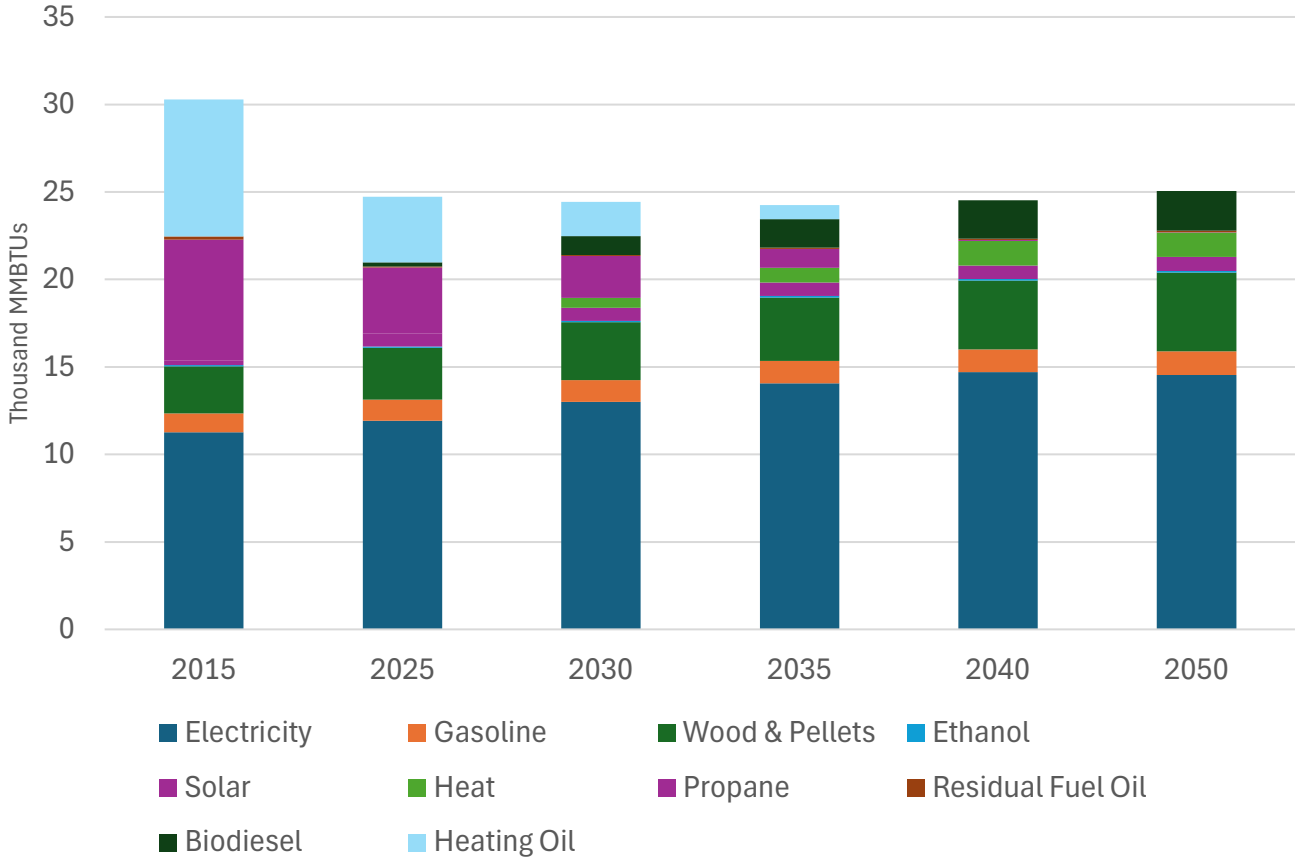


Pownal Residential Heat Pump Water Heater Targets



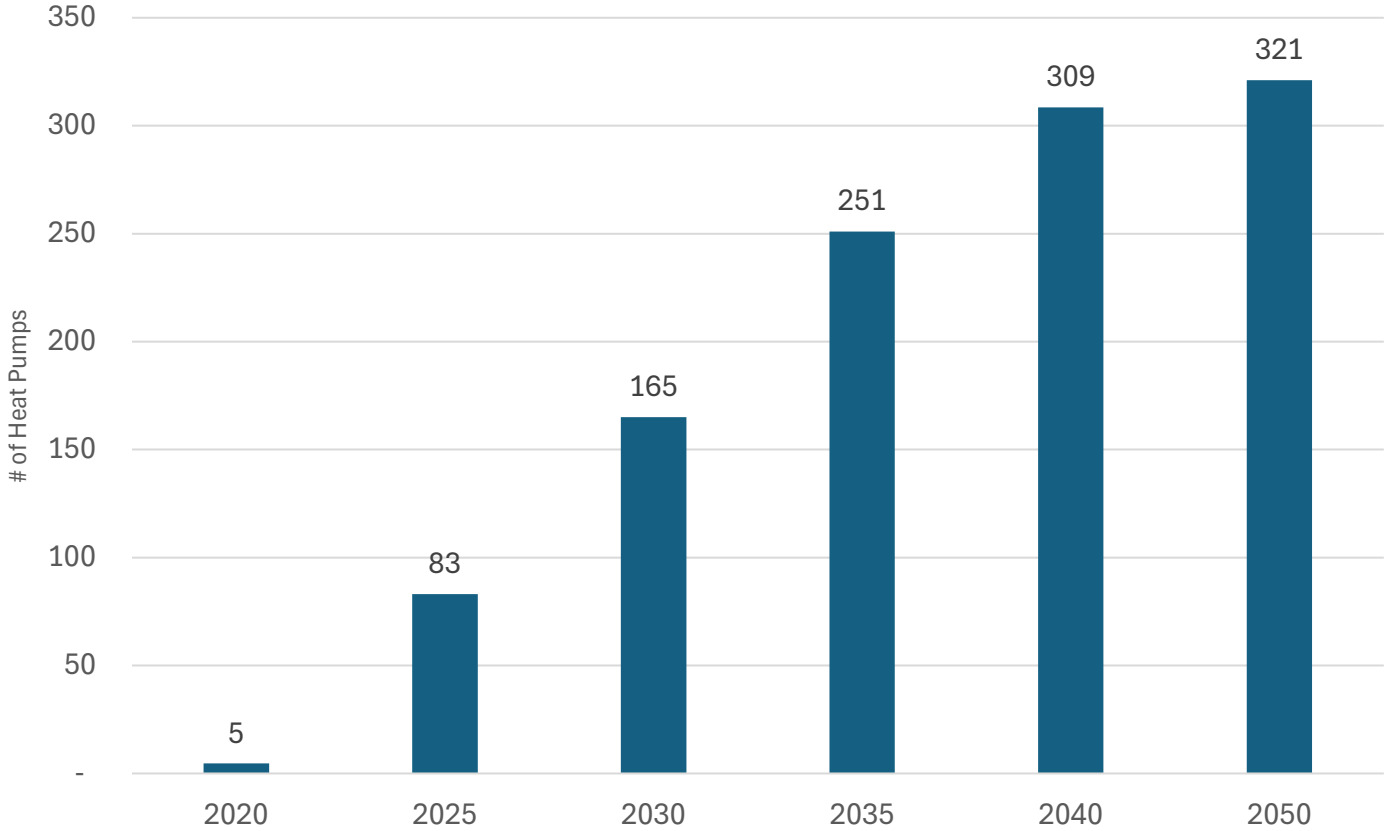
Commercial Energy Demand & Targets

Pownal Commercial Energy Demand

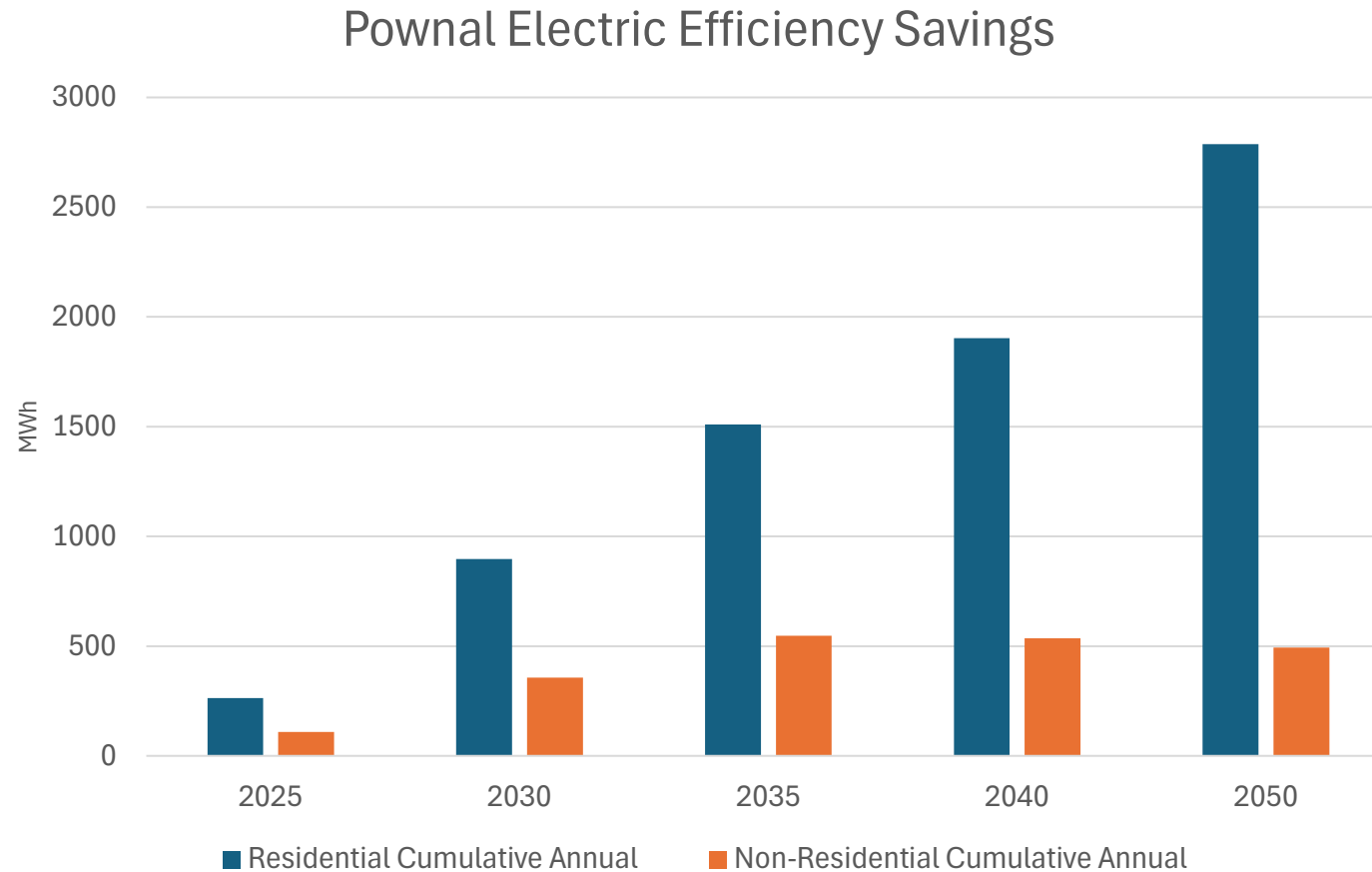


Commercial Energy Demand & Targets

Pownal Commercial Heat Pump Targets

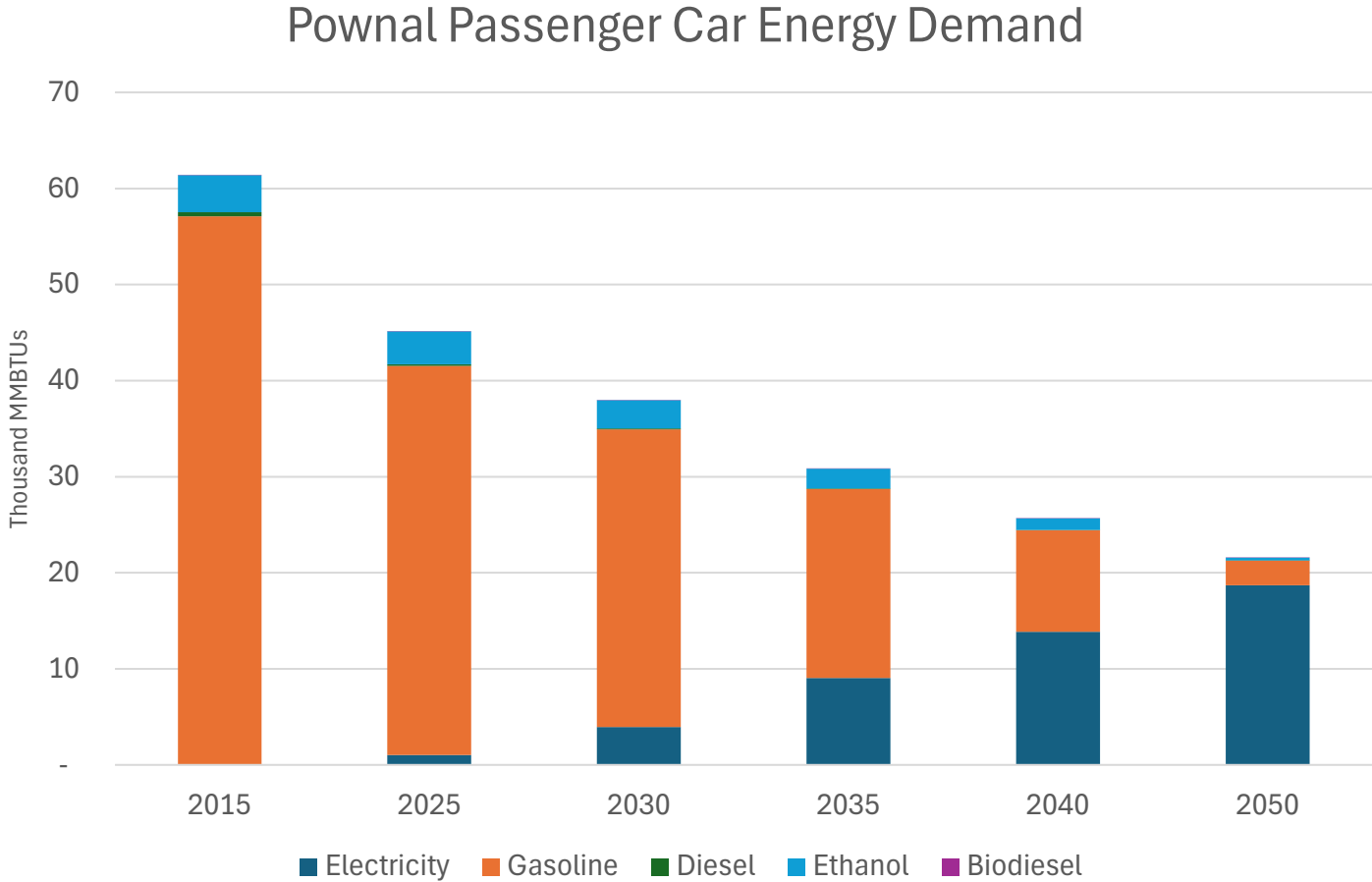


Electric Efficiency



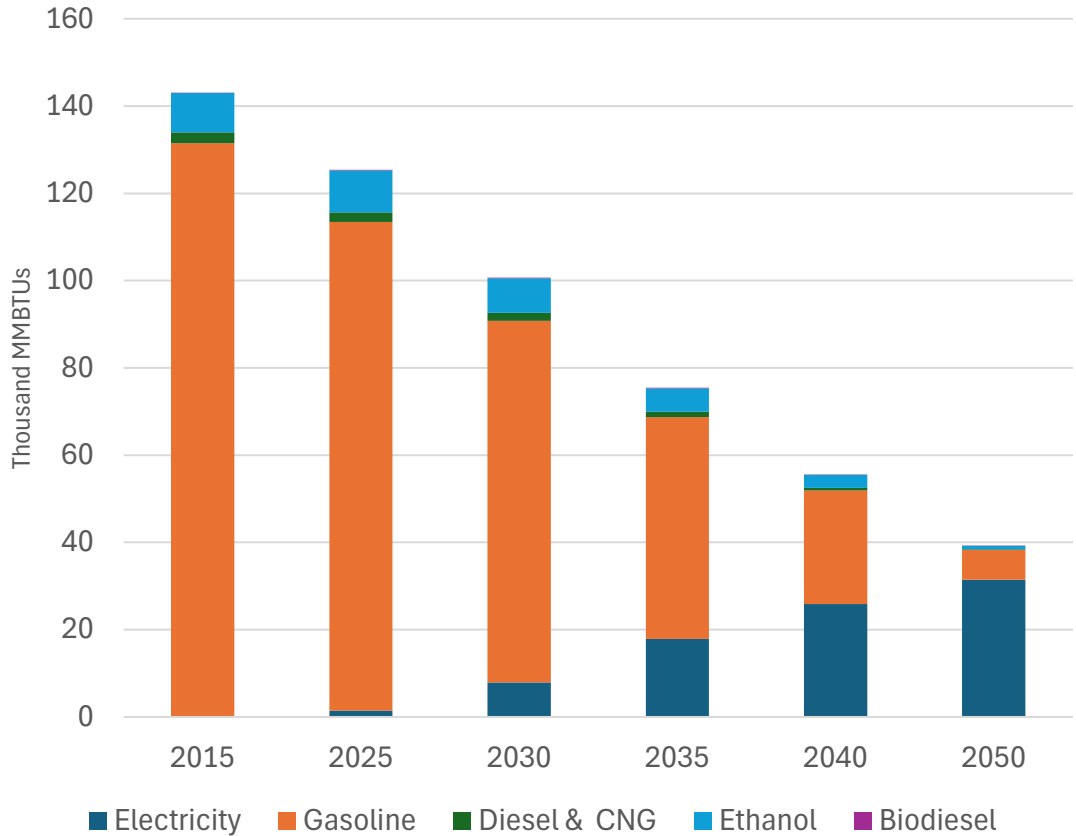
Data source: EEU Potential Study

Transportation Energy Demand & Targets

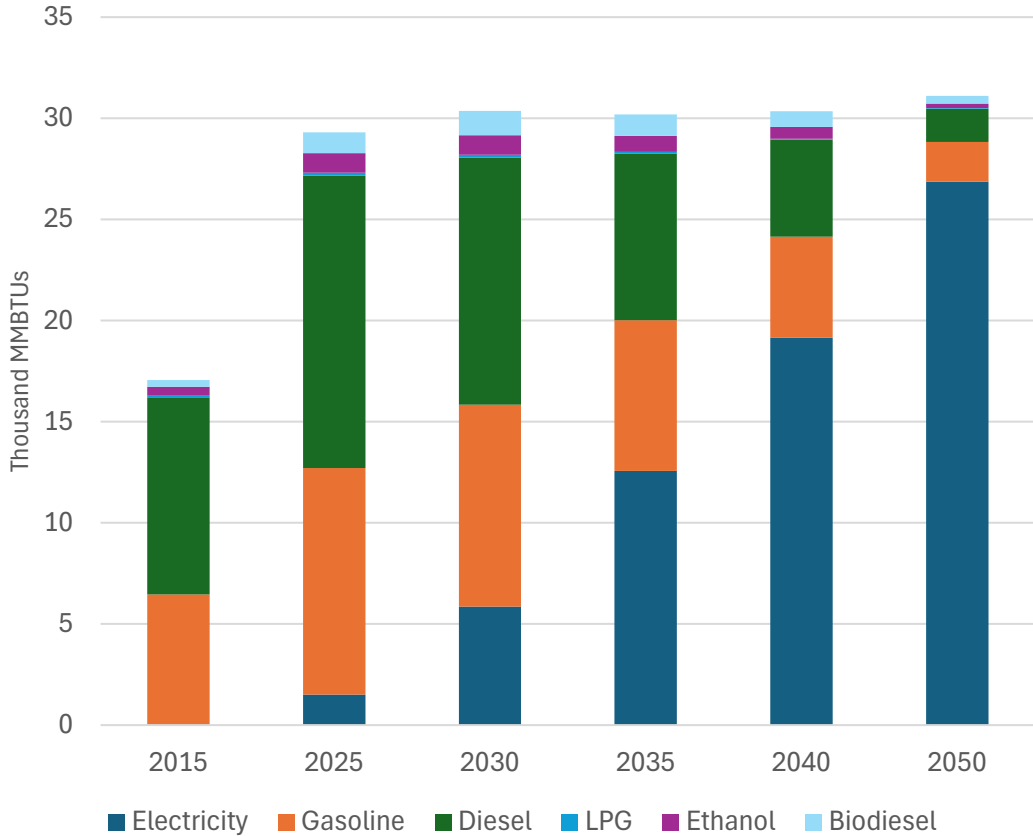


Transportation Energy Demand & Targets

Pownal Light Truck Energy Demand

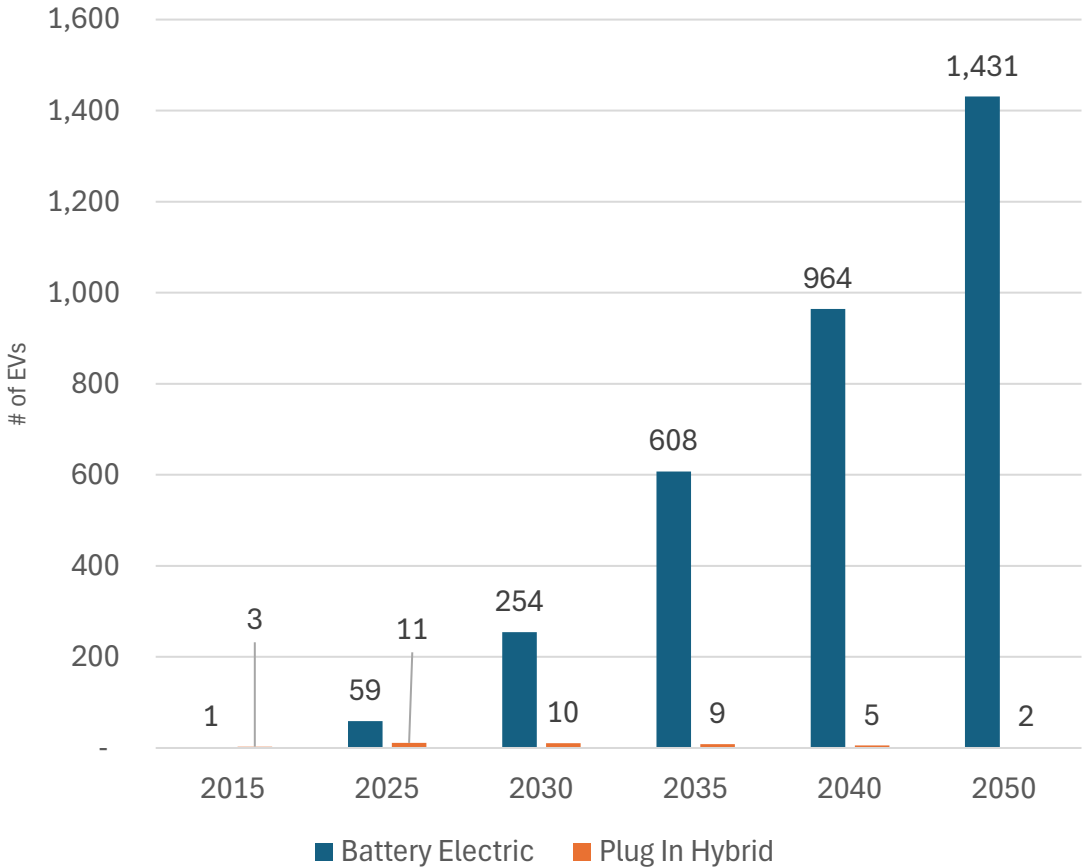


Pownal Medium Duty Truck Energy Demand

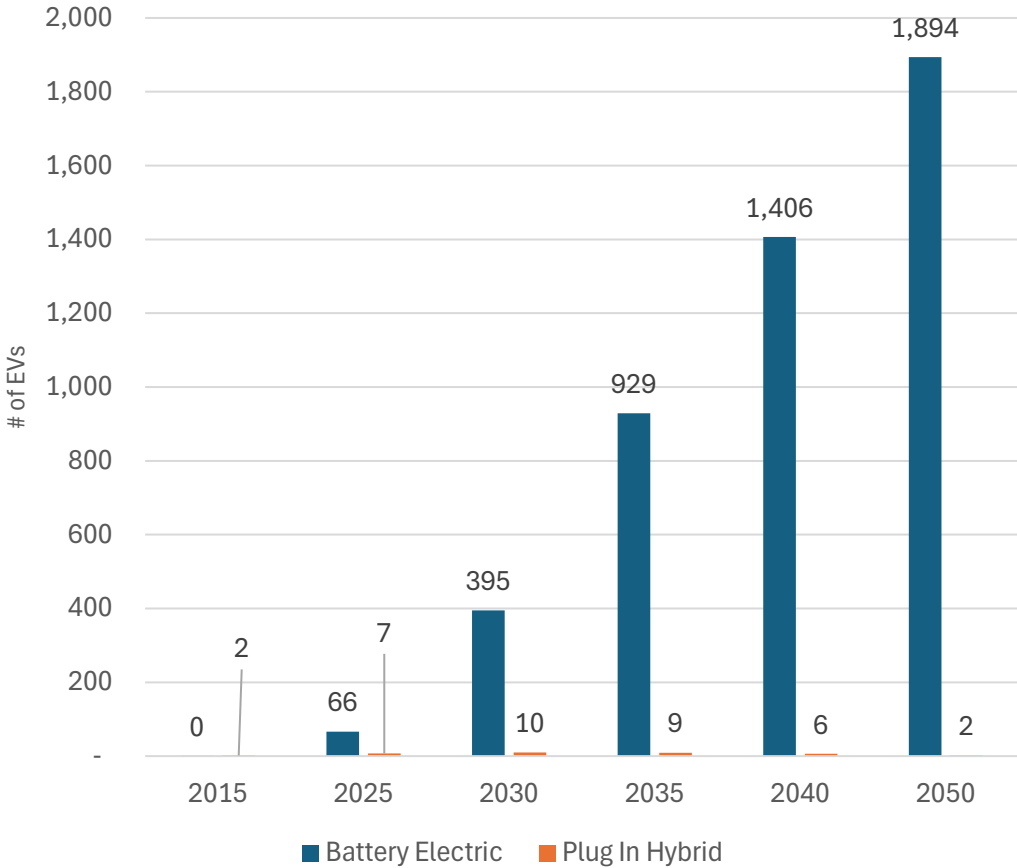


Transportation Energy Demand & Targets

Pownal EV and PHEV Targets



Pownal Light Truck EV and PHEV Targets



Renewable Energy Generation Targets (in MW)

YEAR	SOLAR	ROOFTOP SOLAR	WIND	HYDRO	TOTAL
2025	1.7	0.6	0.5	0	2.8
2035	2.0	1.3	0.9	0	4.2
2050	2.5	1.9	1.3	0	5.7

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