

LEAP Projections - Sandgate

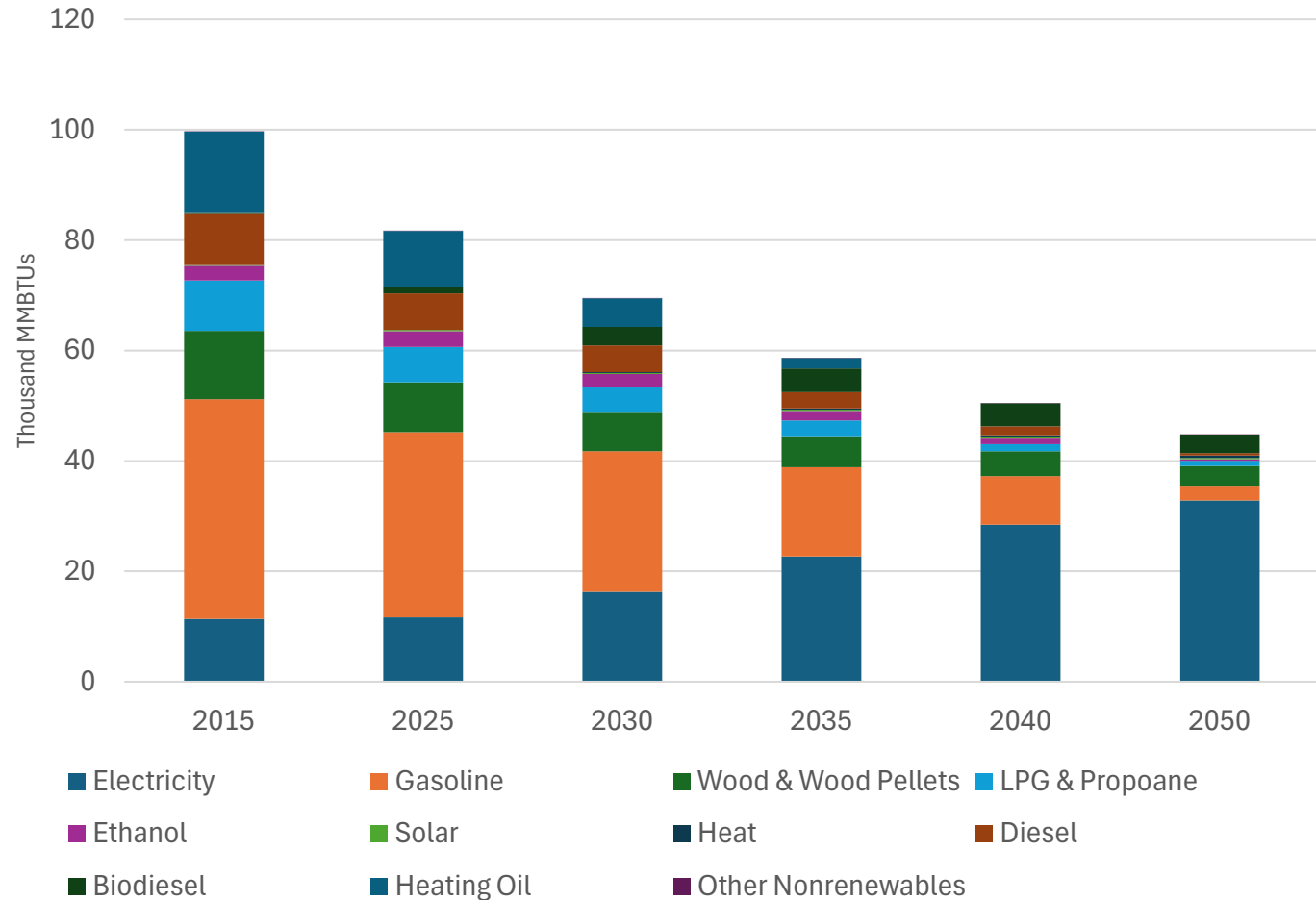
The following projections and targets come from the Low Emissions Analysis Platform (LEAP) model, which is a tool used by the State of Vermont to analyze and project energy demand across multiple sectors at the state and regional levels for the years 2015-2050. The general trends depicted in these LEAP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



Sandgate 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.

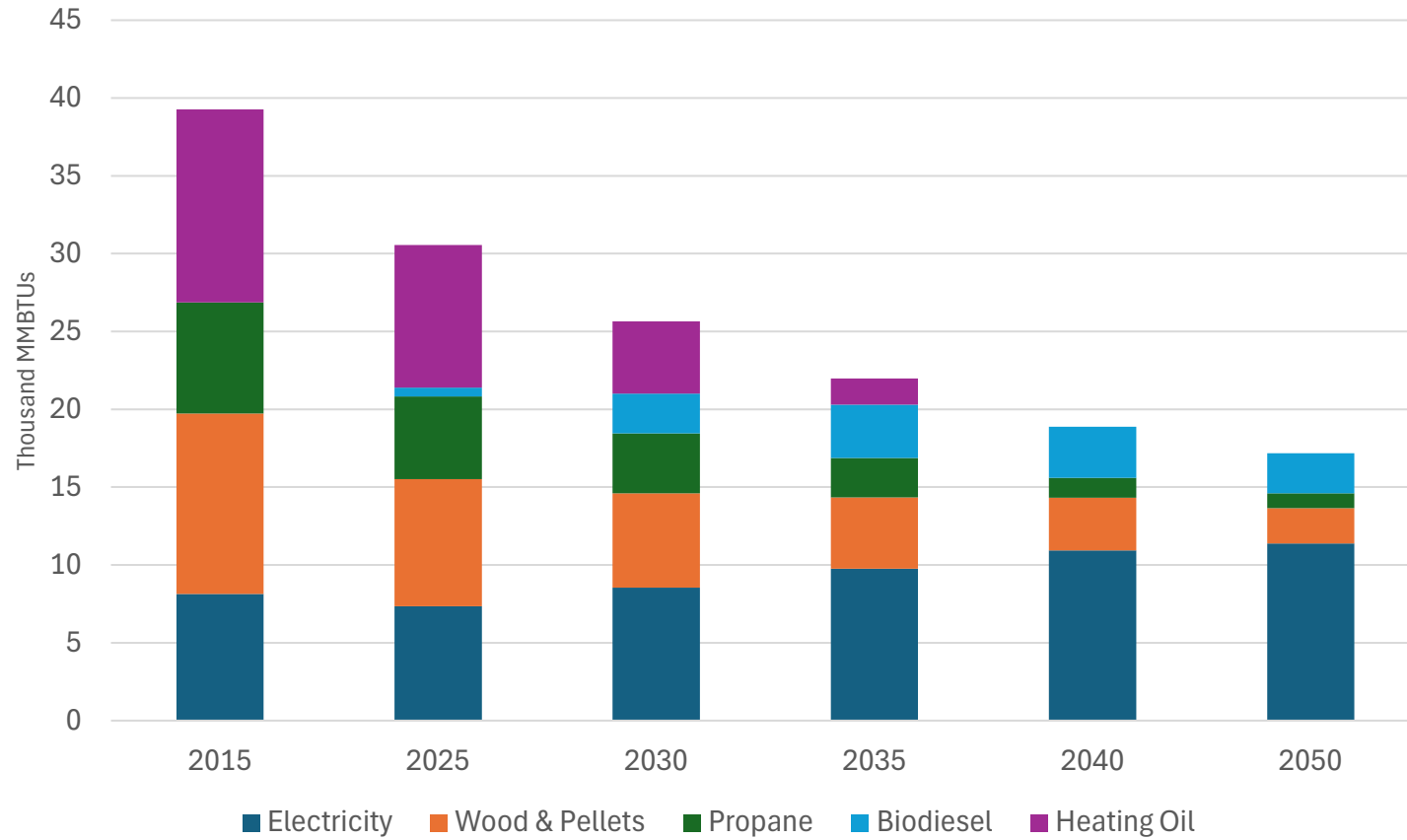
1 MBTU = 1,000 BTU

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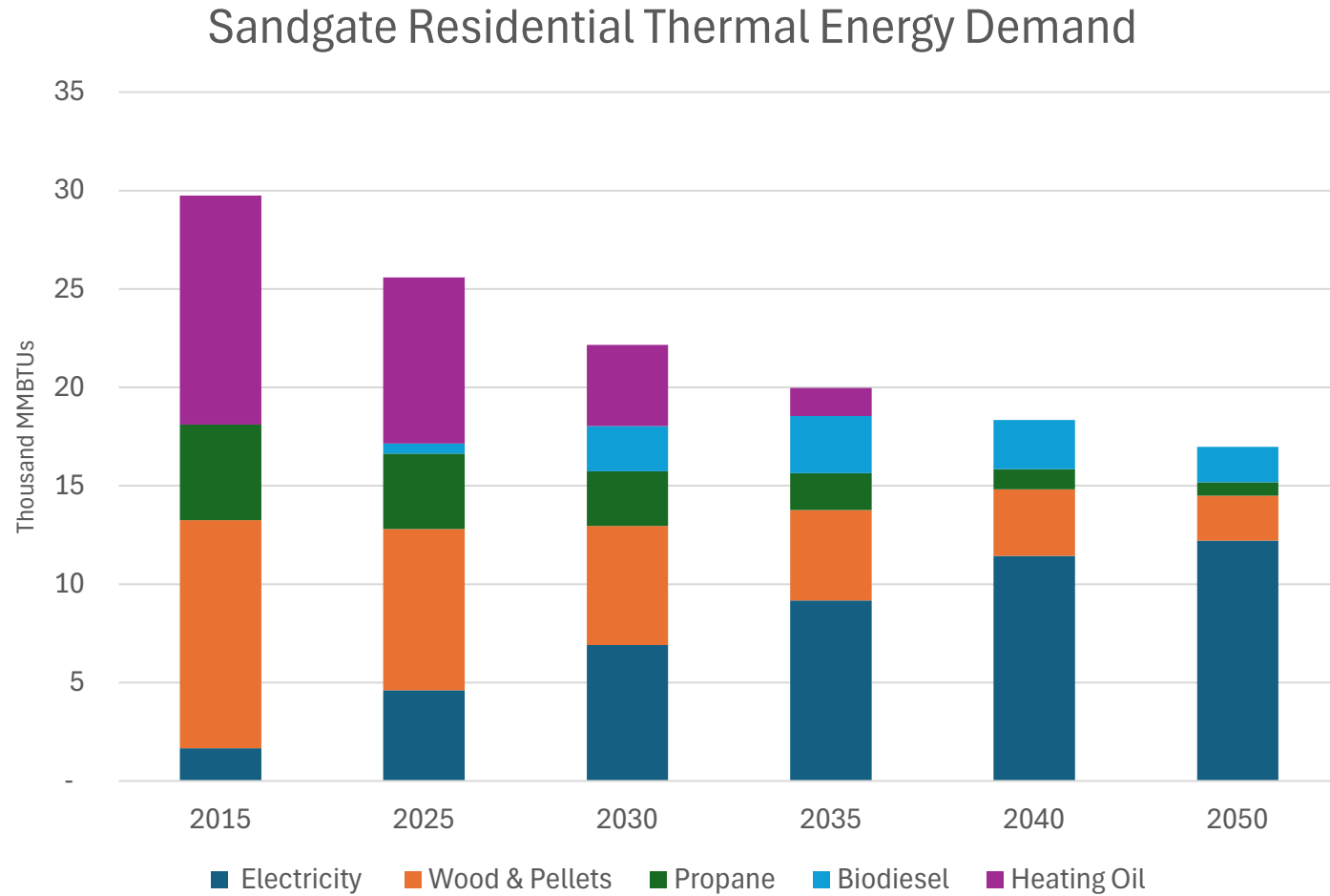
Annual energy use is typically measured in units of Thousand MMBTUs

Residential Energy Demand & Targets

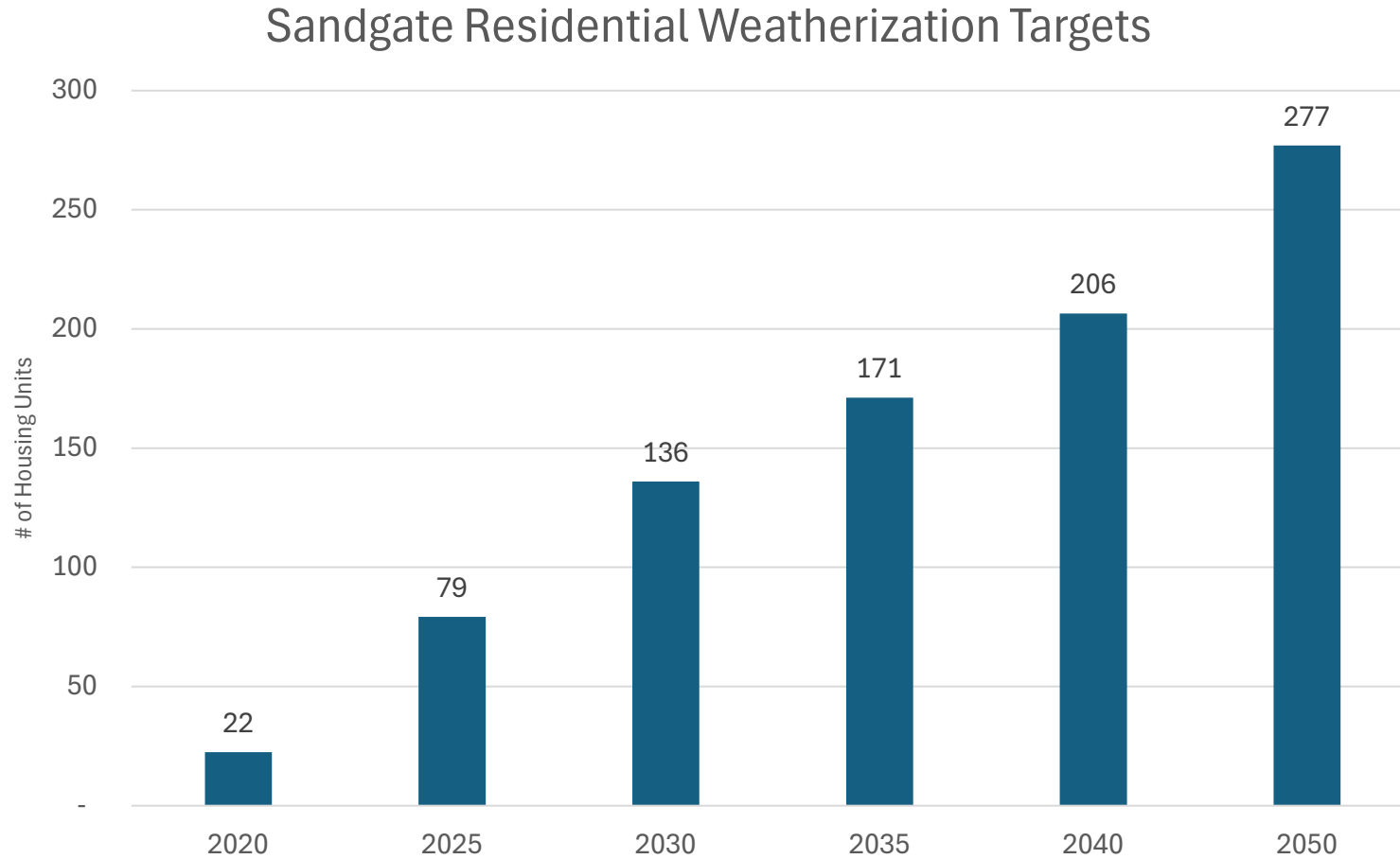
Sandgate Residential Energy Demand



Residential Energy Demand & Targets

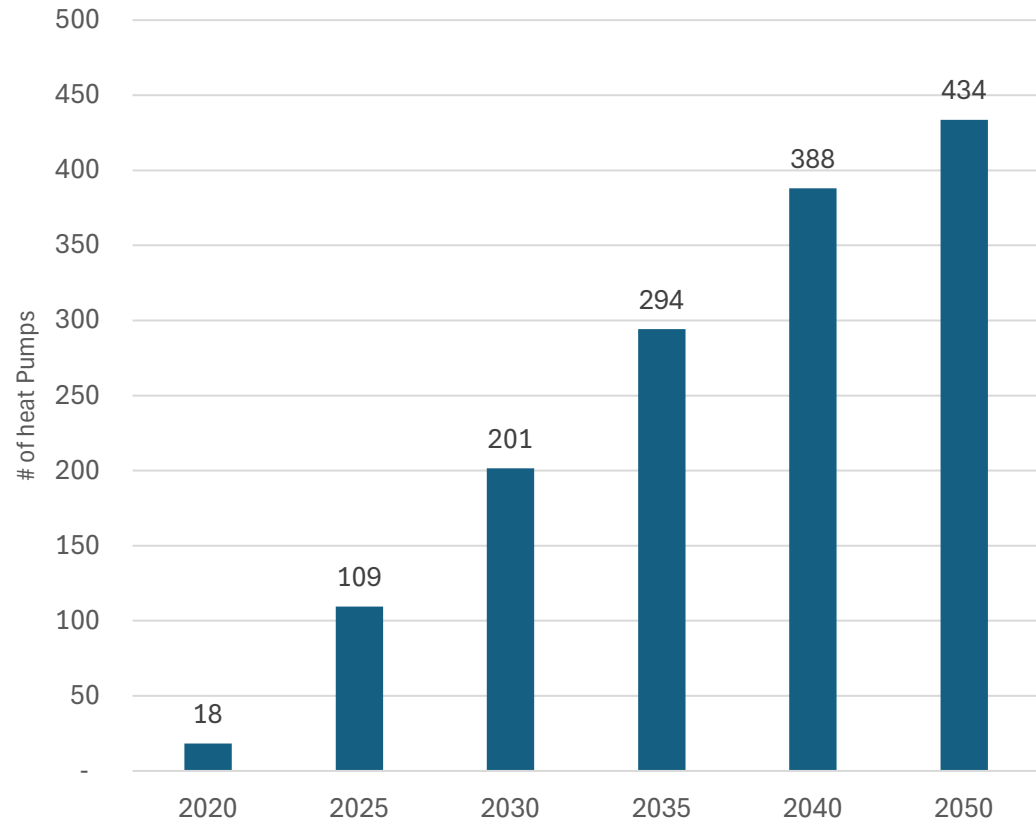


Residential Energy Demand & Targets

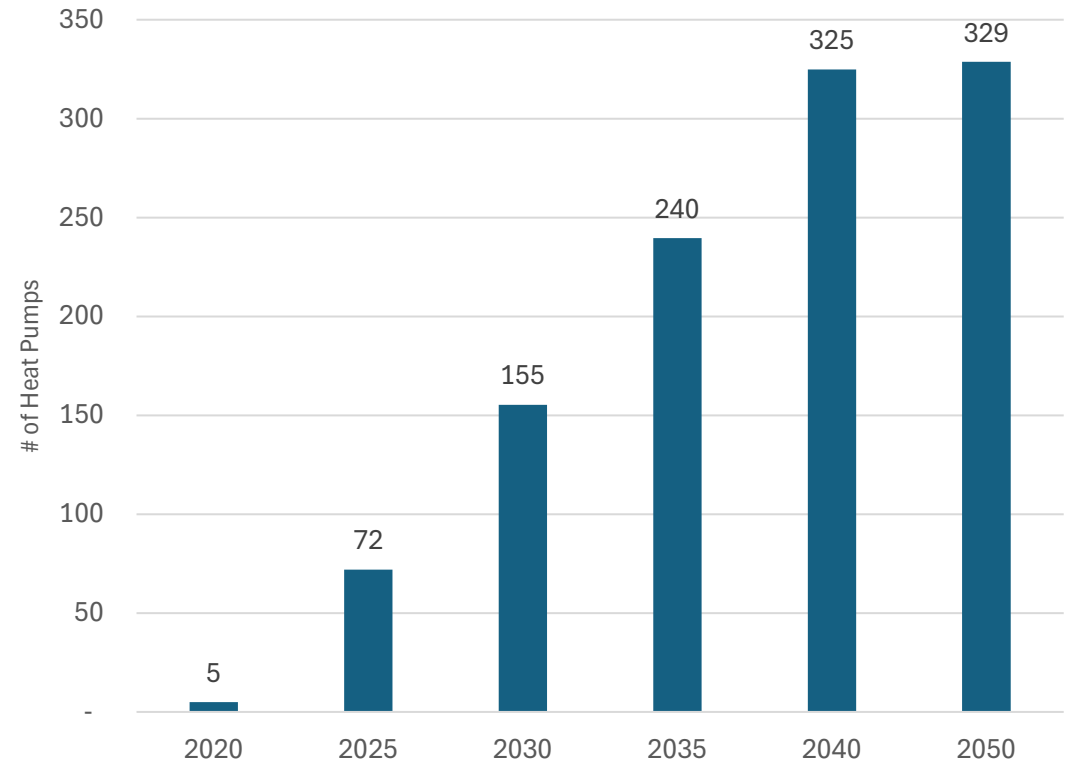


Residential Energy Demand & Targets

Sandgate Residential Heat Pump Targets

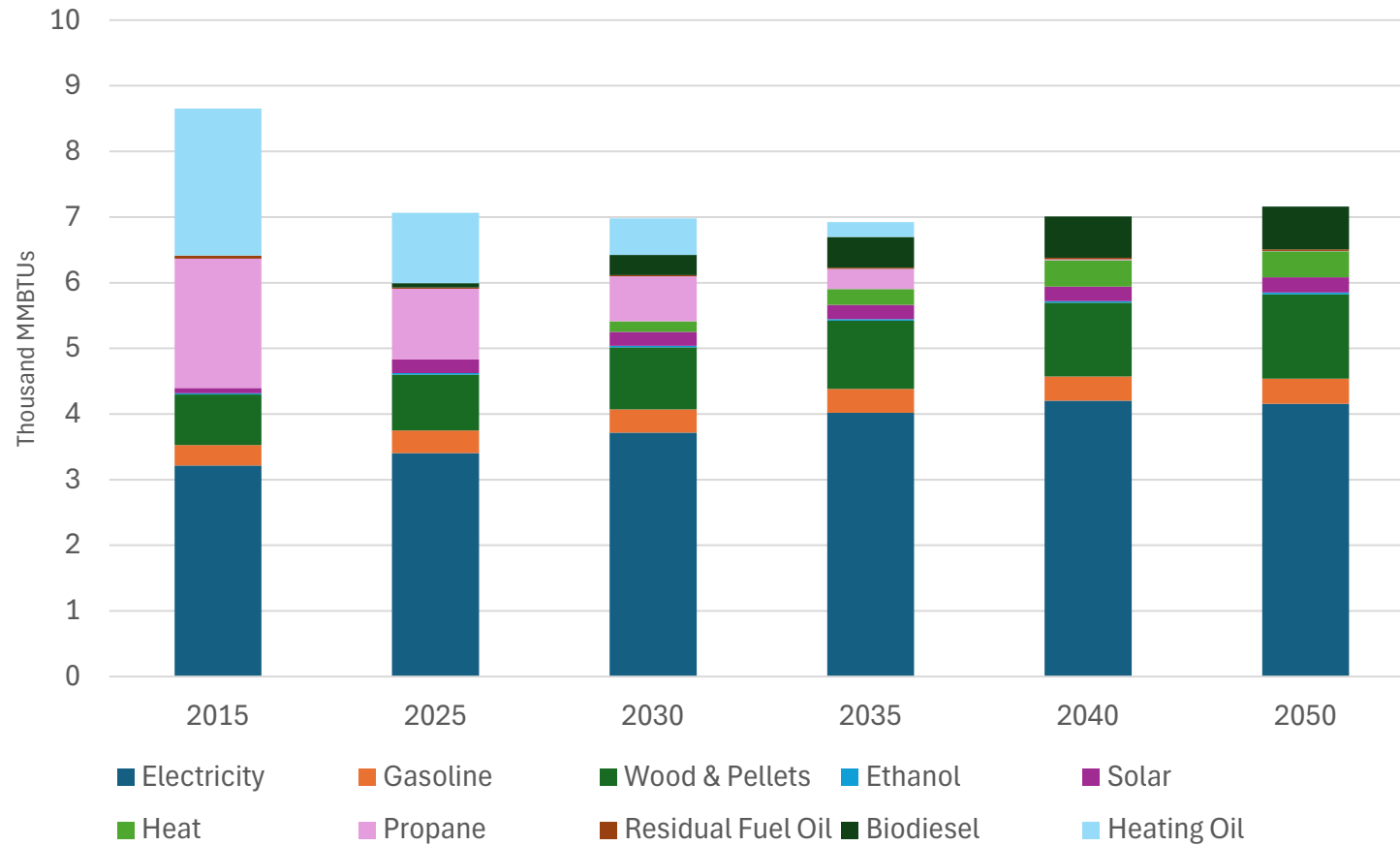


Sandgate Residential Heat Pump Water Heater Targets



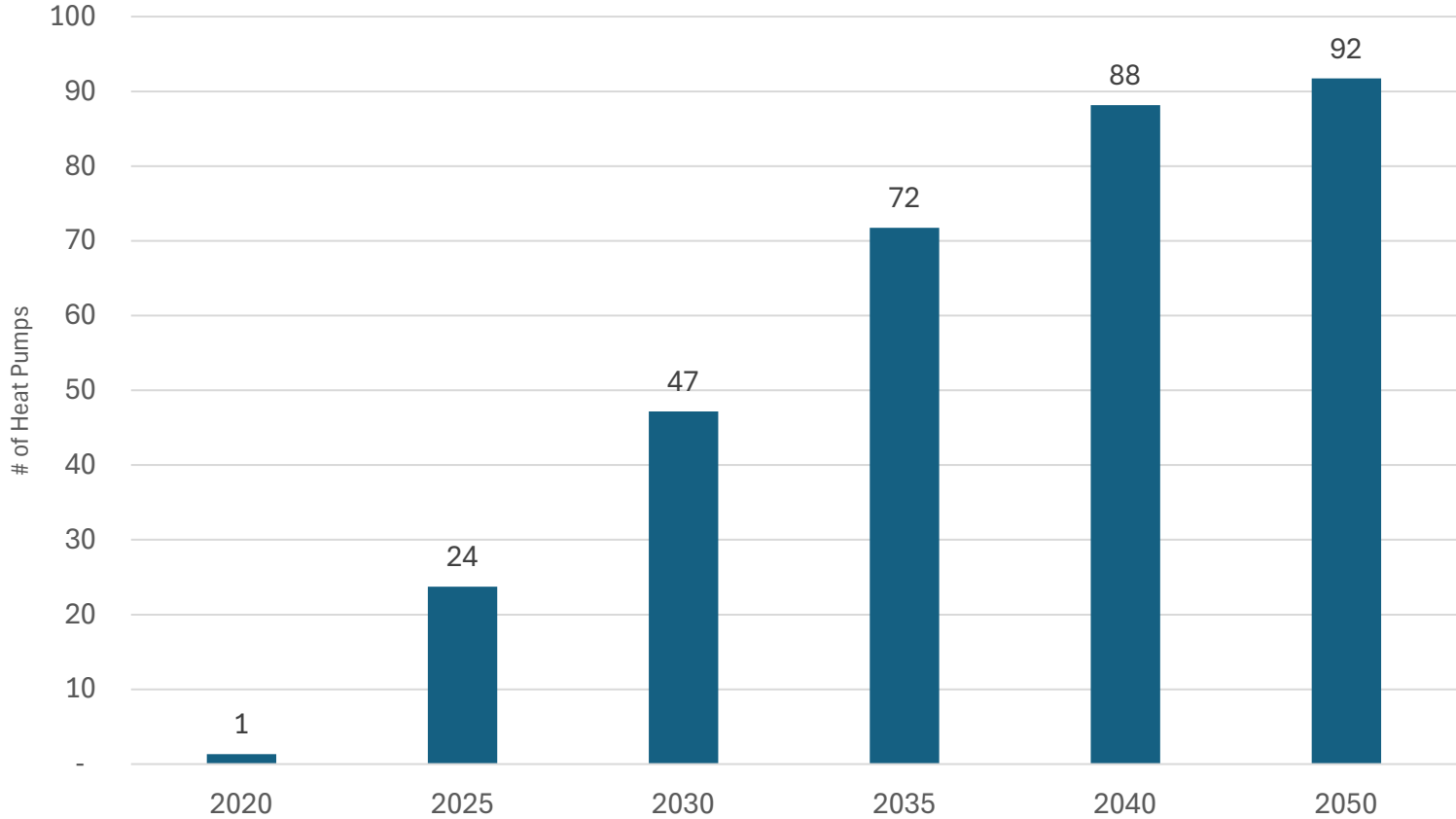
Commercial Energy Demand & Targets

Sandgate Commercial Energy Demand



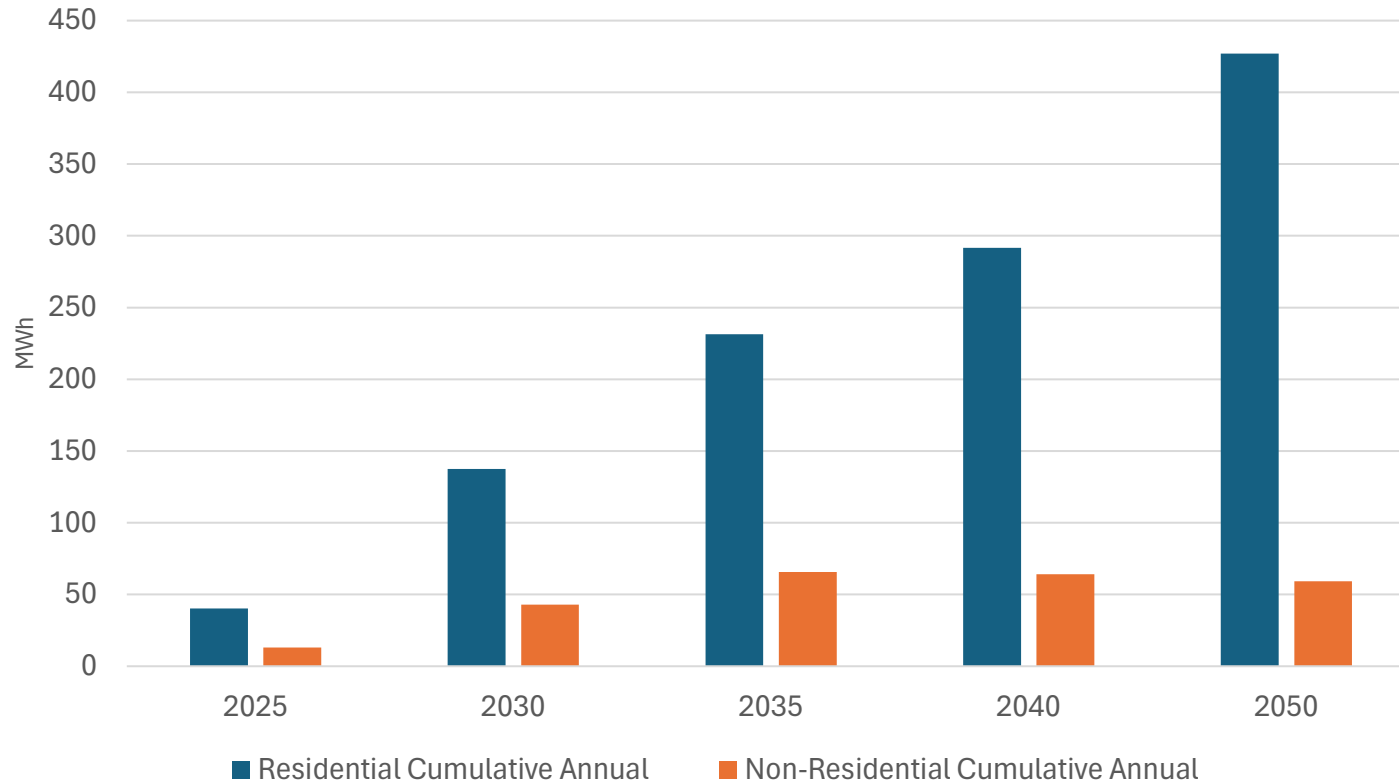
Commercial Energy Demand & Targets

Sandgate Commercial Heat Pumps Targets



Electric Efficiency

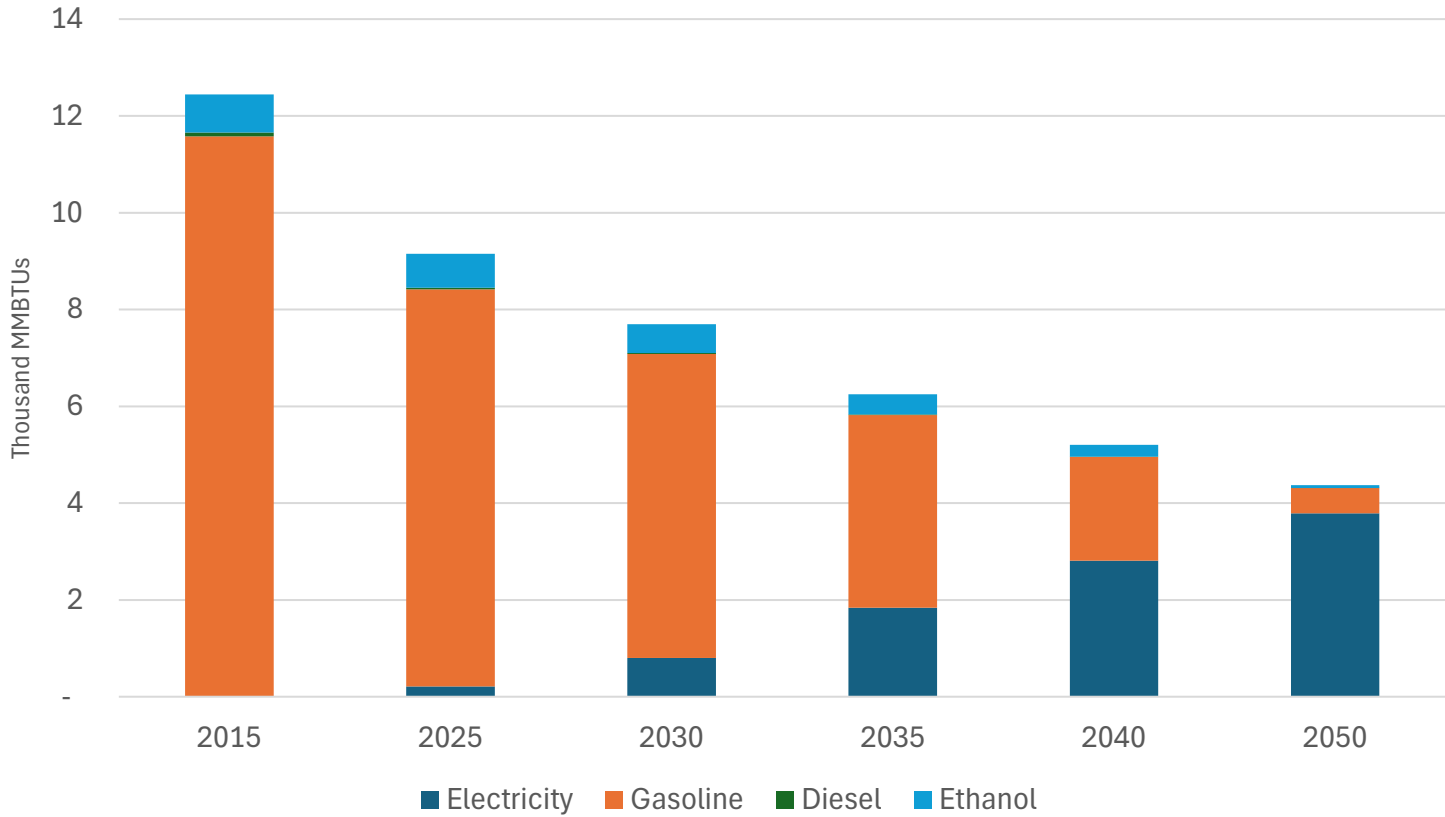
Sandgate Electric Efficiency Savings



Data source: EEU Potential Study

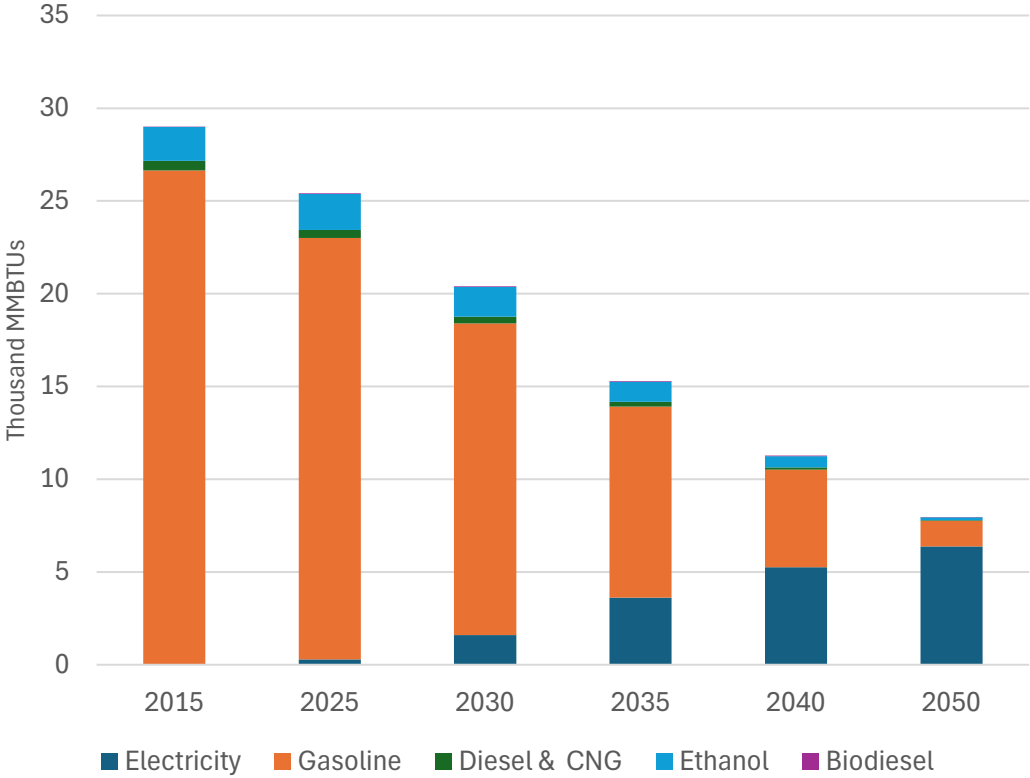
Transportation Energy Demand & Targets

Sandgate Passenger Car Energy Demand

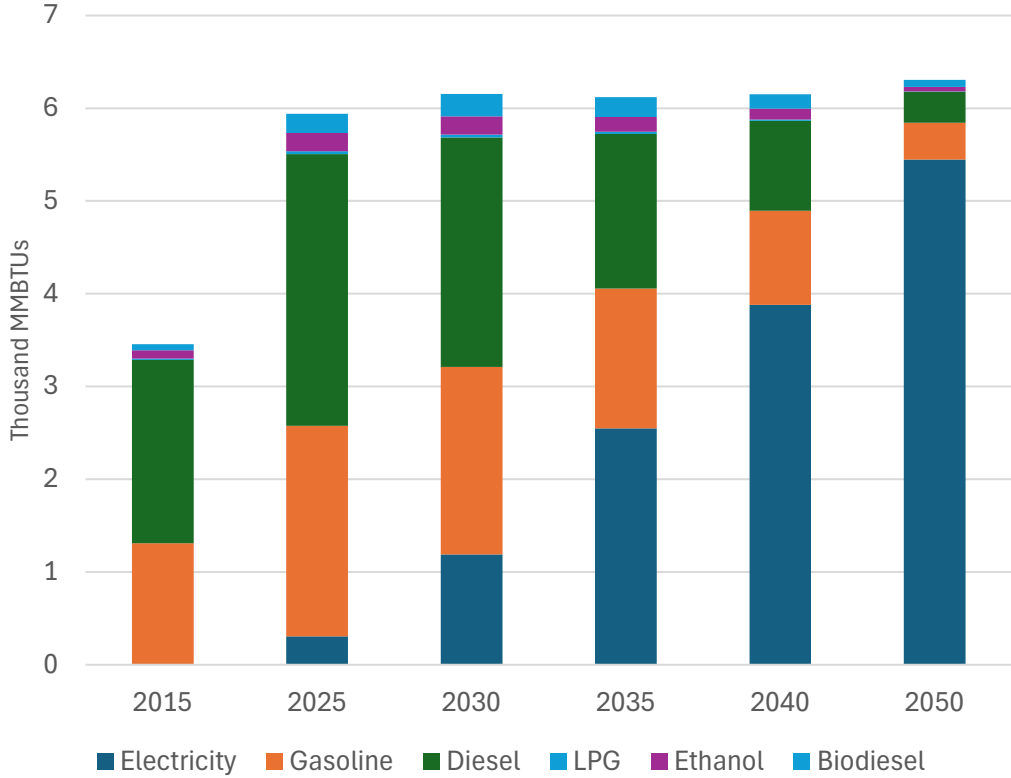


Transportation Energy Demand & Targets

Sandgate Light Truck Energy Demand

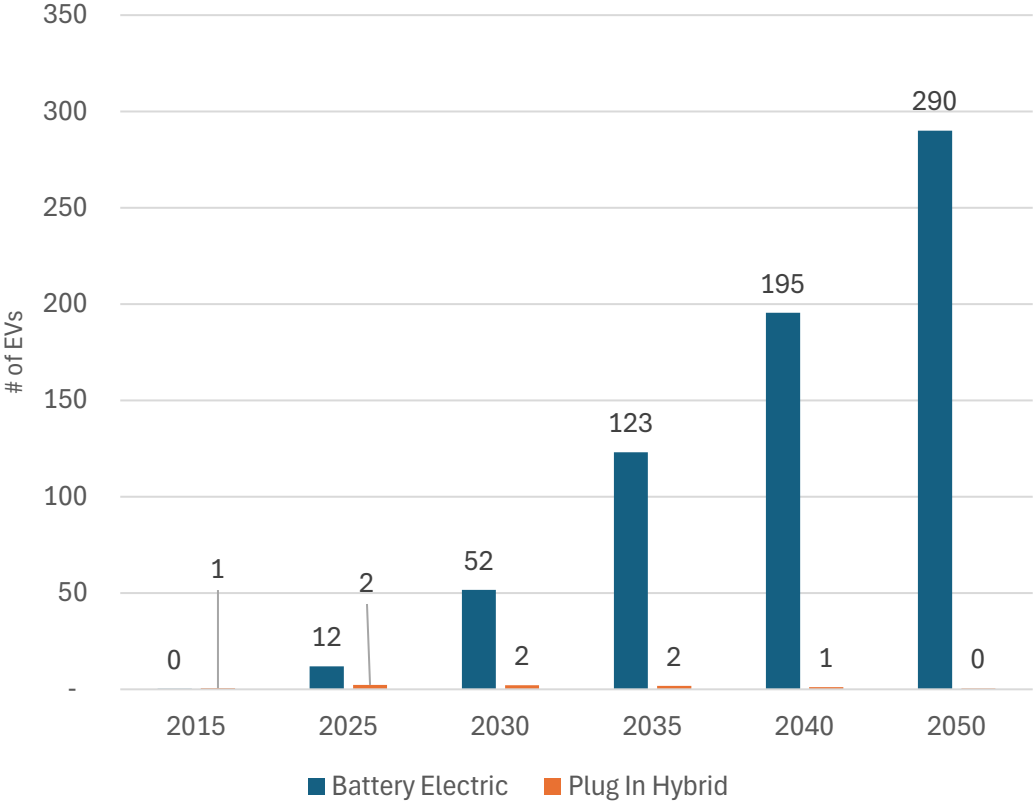


Sandgate Medium Truck Energy Demand

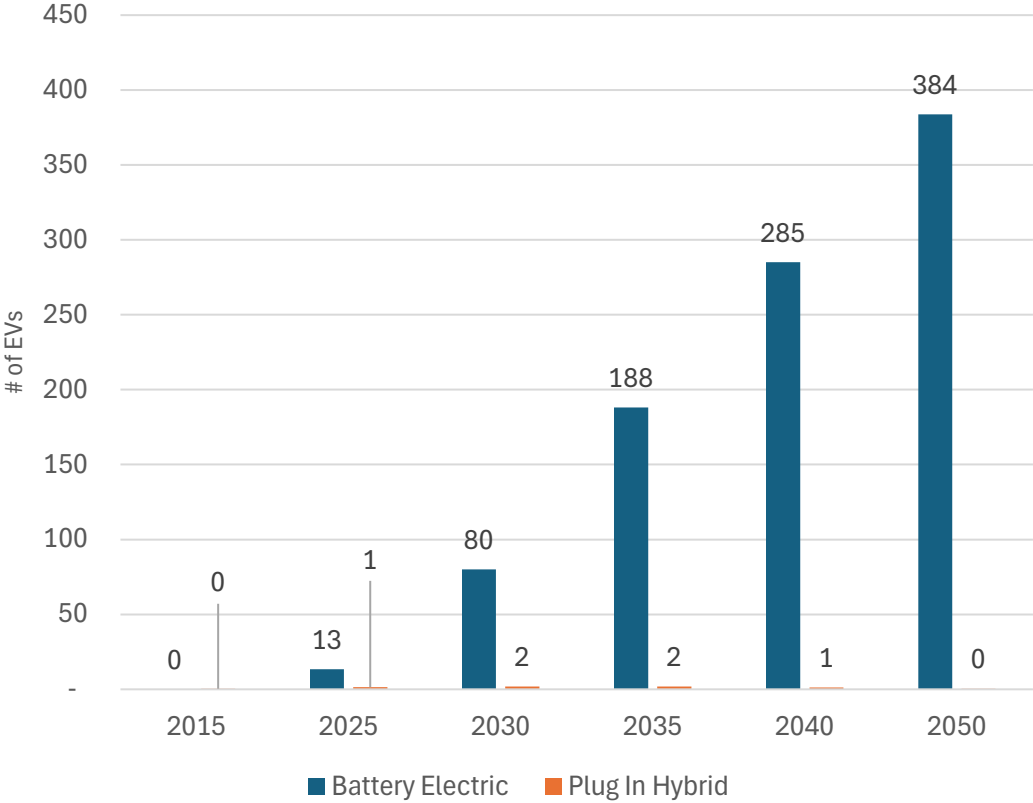


Transportation Energy Demand & Targets

Sandgate EV and PHEV Targets



Sandgate Light Truck EV and PHEV Targets



Renewable Energy Generation Targets (in MW)

YEAR	SOLAR	ROOFTOP SOLAR	WIND	HYDRO	TOTAL
2025	0	0.1	0	0	0.1
2035	0	0.2	0	0	0.2
2050	0	0.2	0	0	0.2

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