

# LEAP Projections - Bennington

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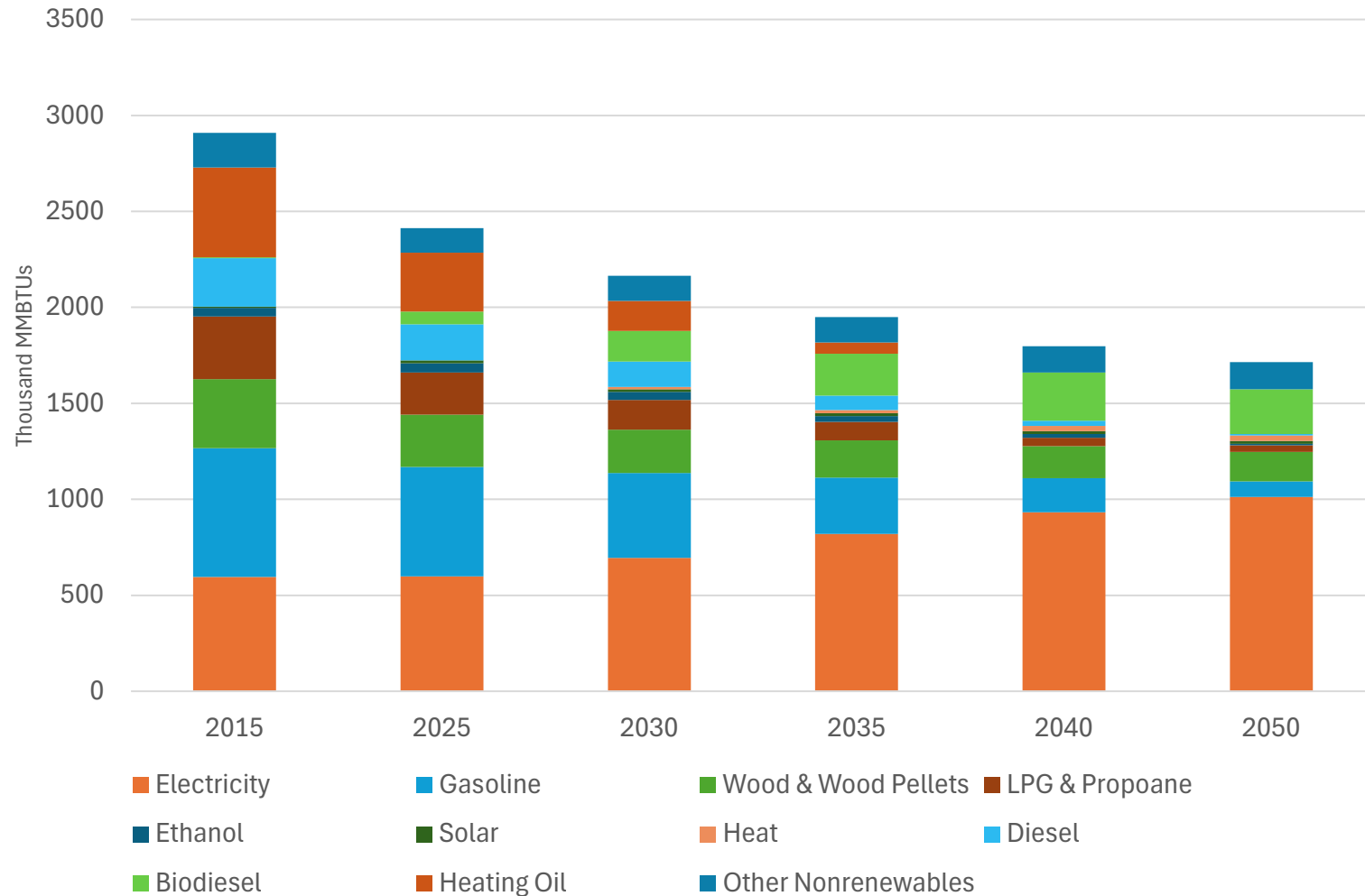
The following projections and targets come from the Low Emissions Analysis Platform (LEAP) model, which is a tool used by the State of Vermont to analyze and project energy demand across multiple sectors at the state and regional levels for the years 2015-2050. The general trends depicted in these LEAP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



# Bennington Total Energy Demand by Fuel Type

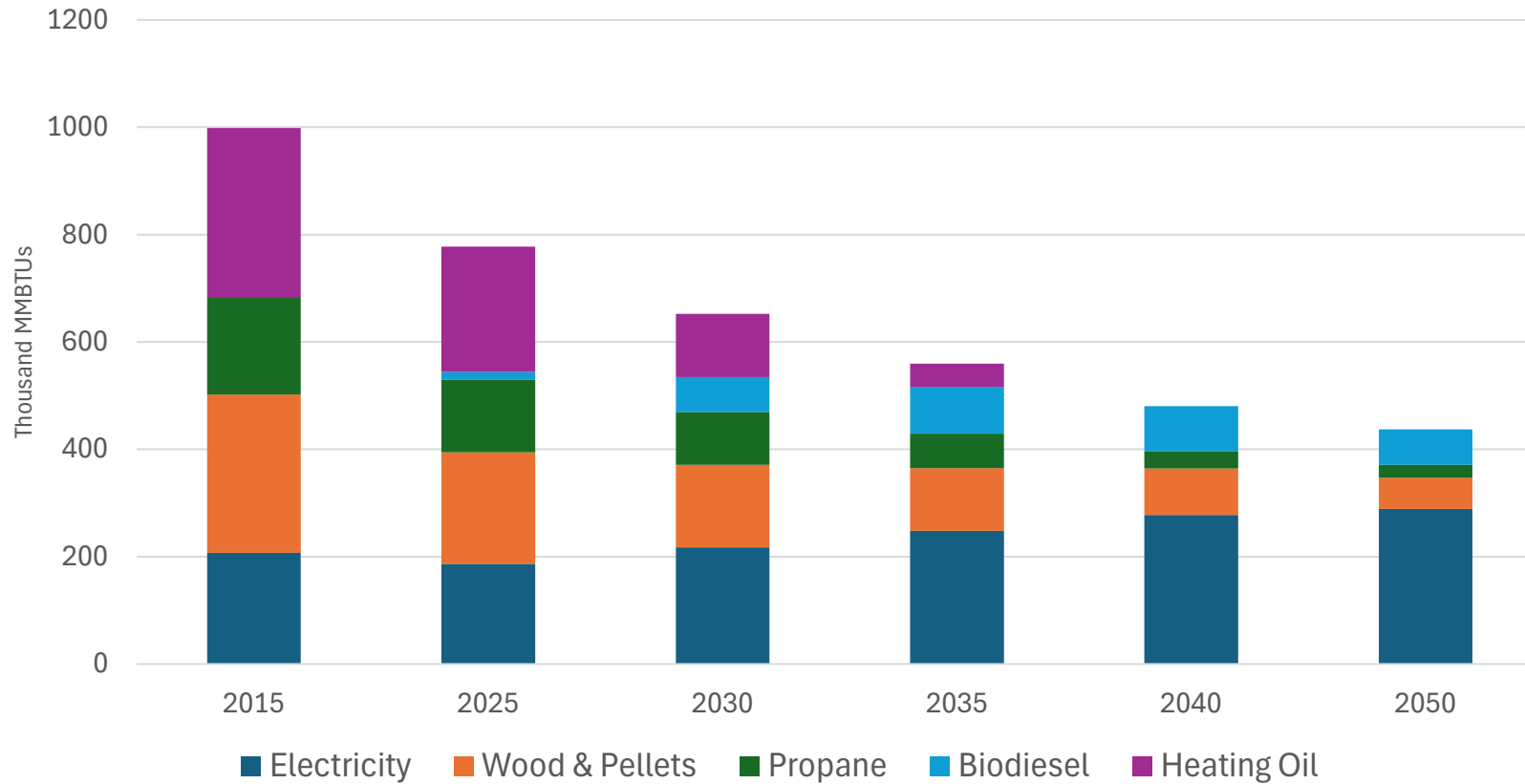


**What is a BTU?**  
 A BTU, or British Thermal Unit, is a measure of energy value or heat content. A BTU is the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit at a constant pressure of one atmospheric unit.  
 1 MBTU = 1,000 BTU  
 1 MMBTU = 1,000,000 BTU

**Annual energy use is typically measured in units of Thousand MMBTUs**

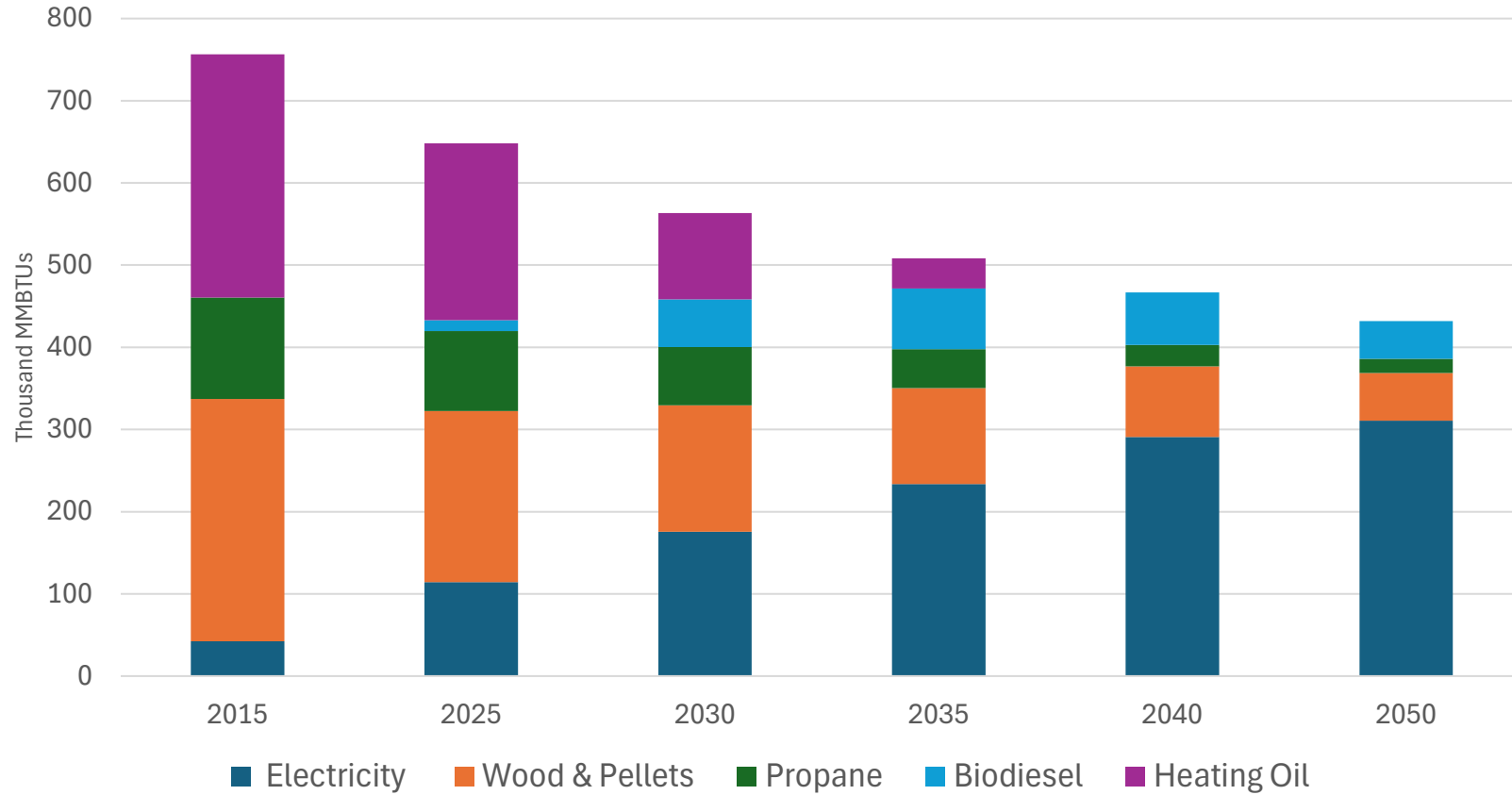
# Residential Energy Demand & Targets

## Bennington Residential Energy Demand

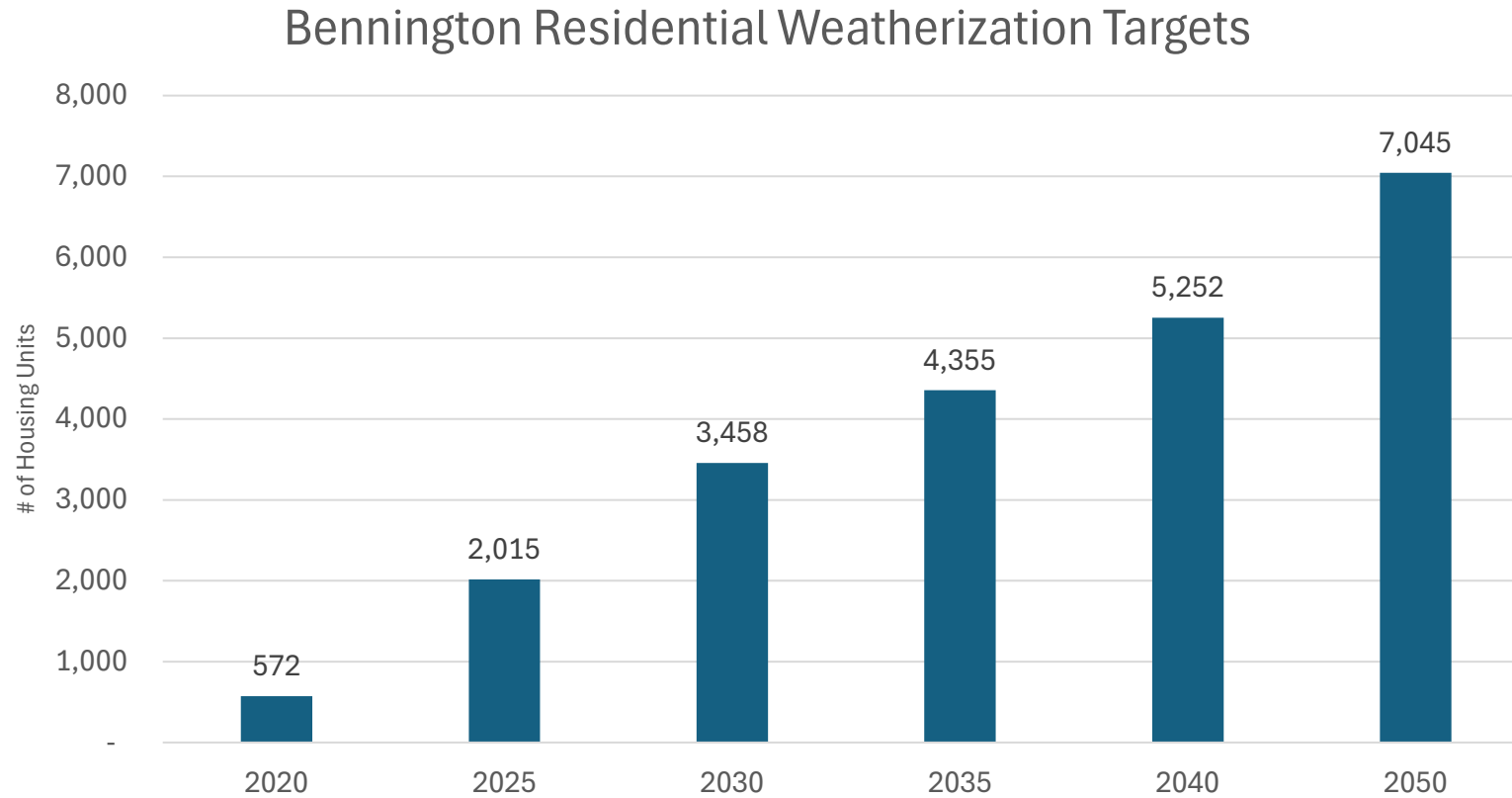


# Residential Energy Demand & Targets

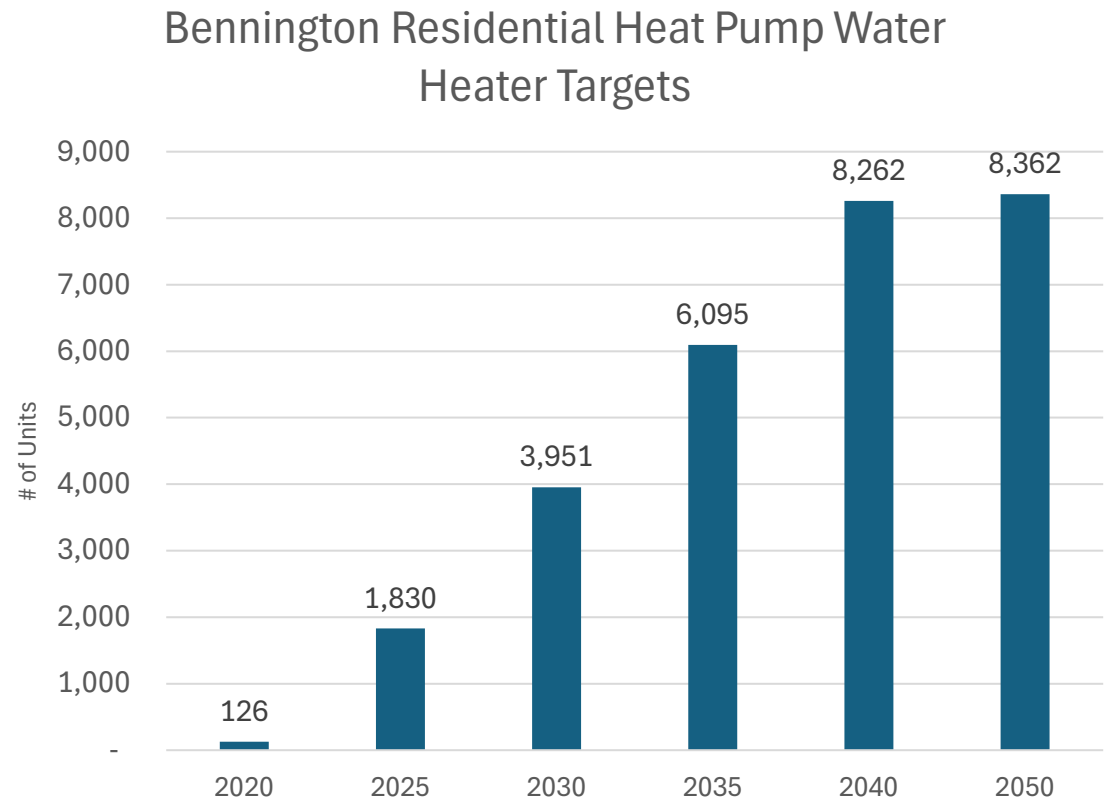
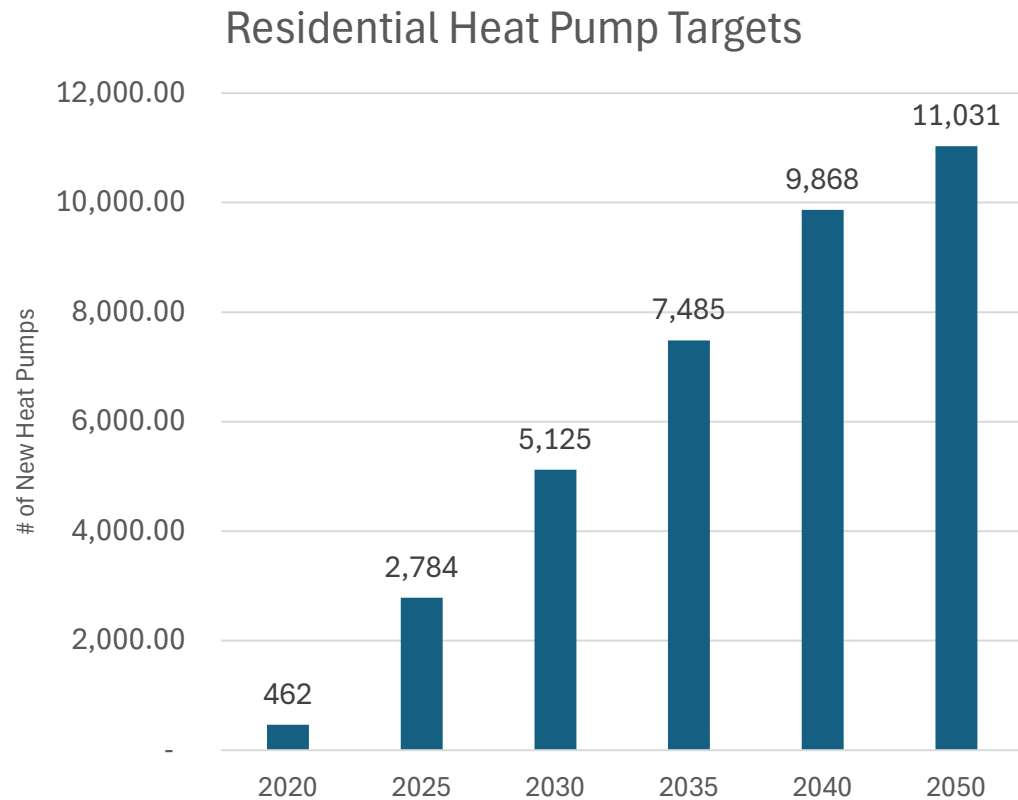
## Bennington Residential Energy Demand for Heating



# Residential Energy Demand & Targets

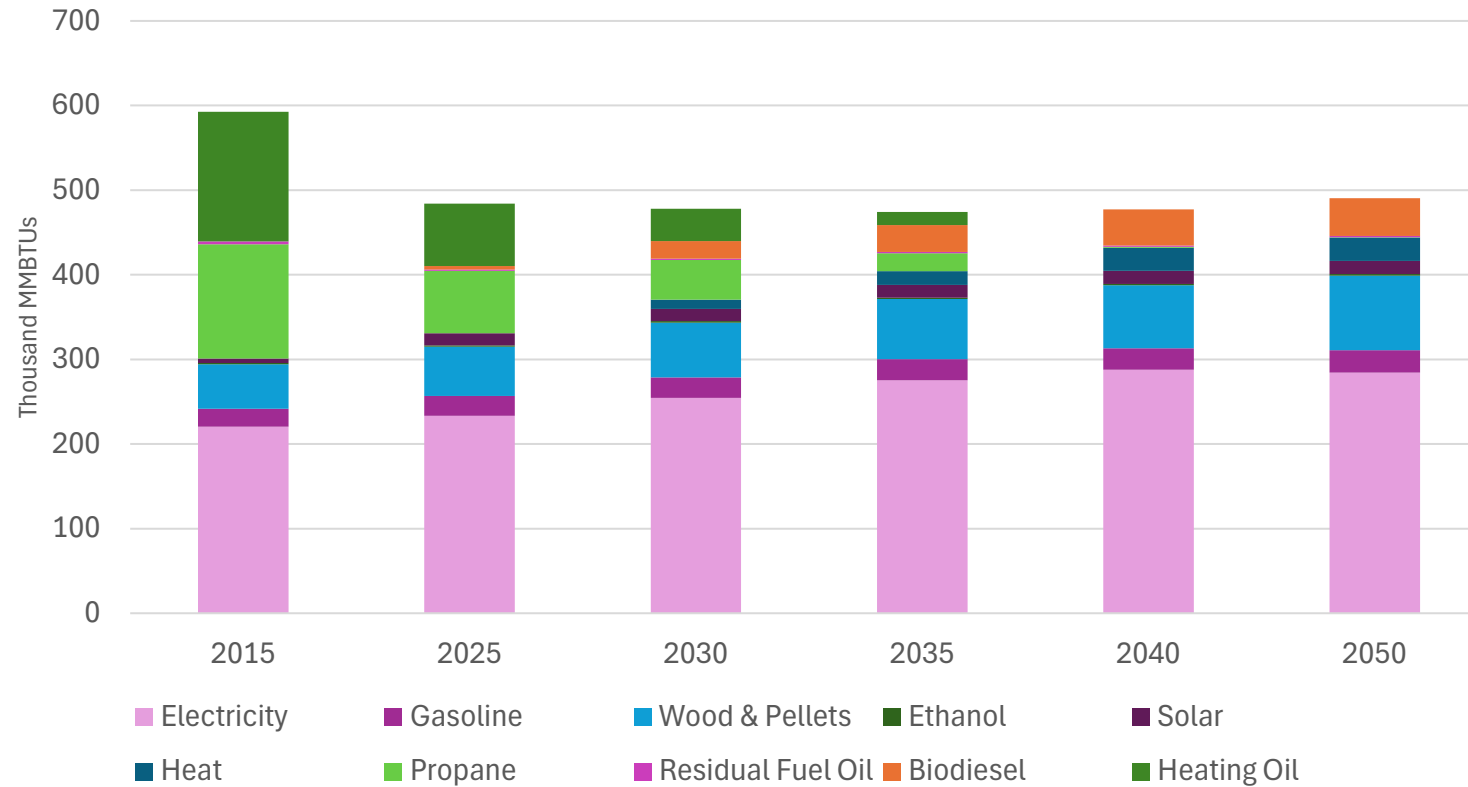


# Residential Energy Demand & Targets



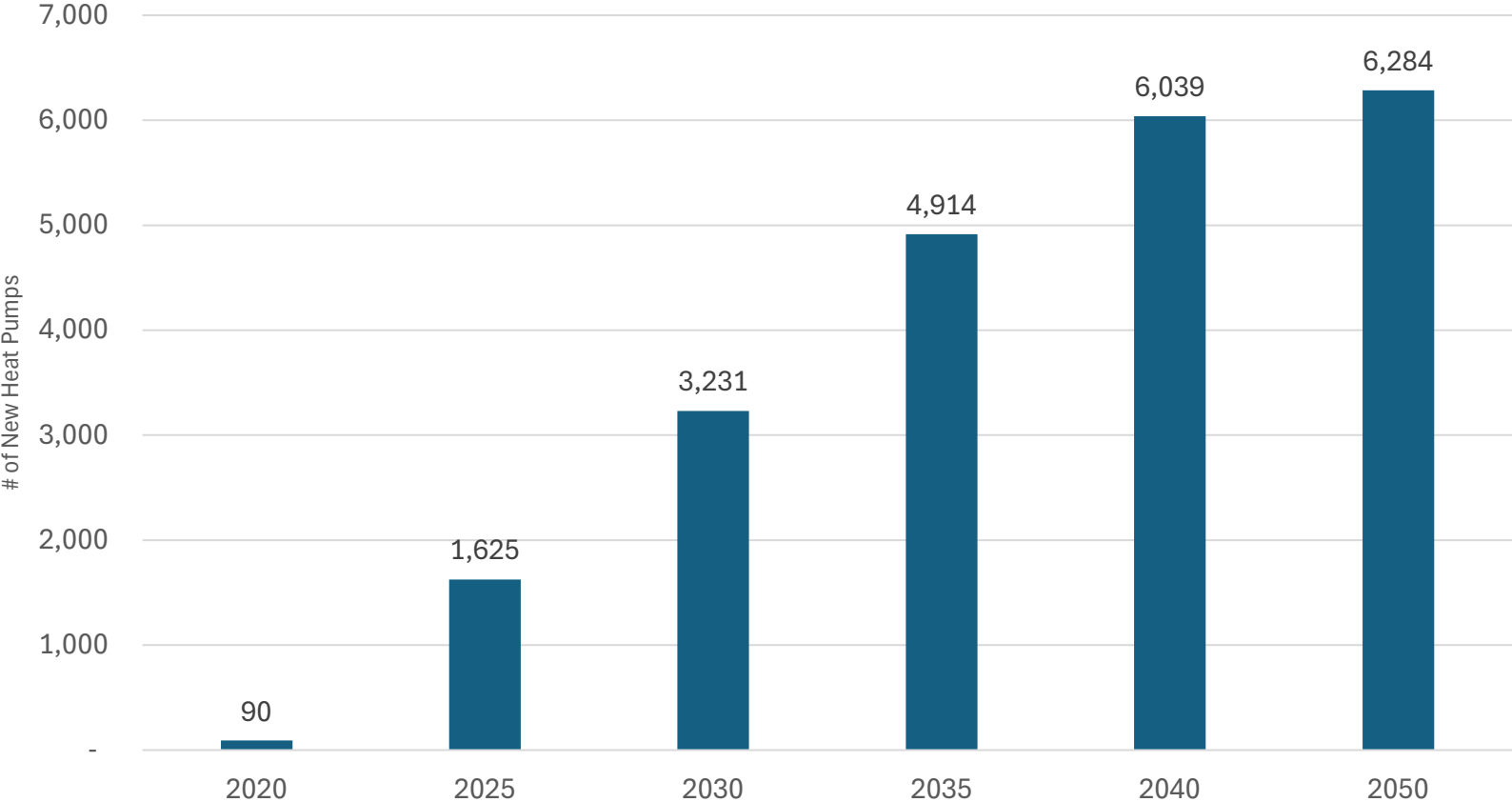
# Commercial Energy Demand & Targets

## Bennington Commercial Energy Demand



# Commercial Energy Demand & Targets

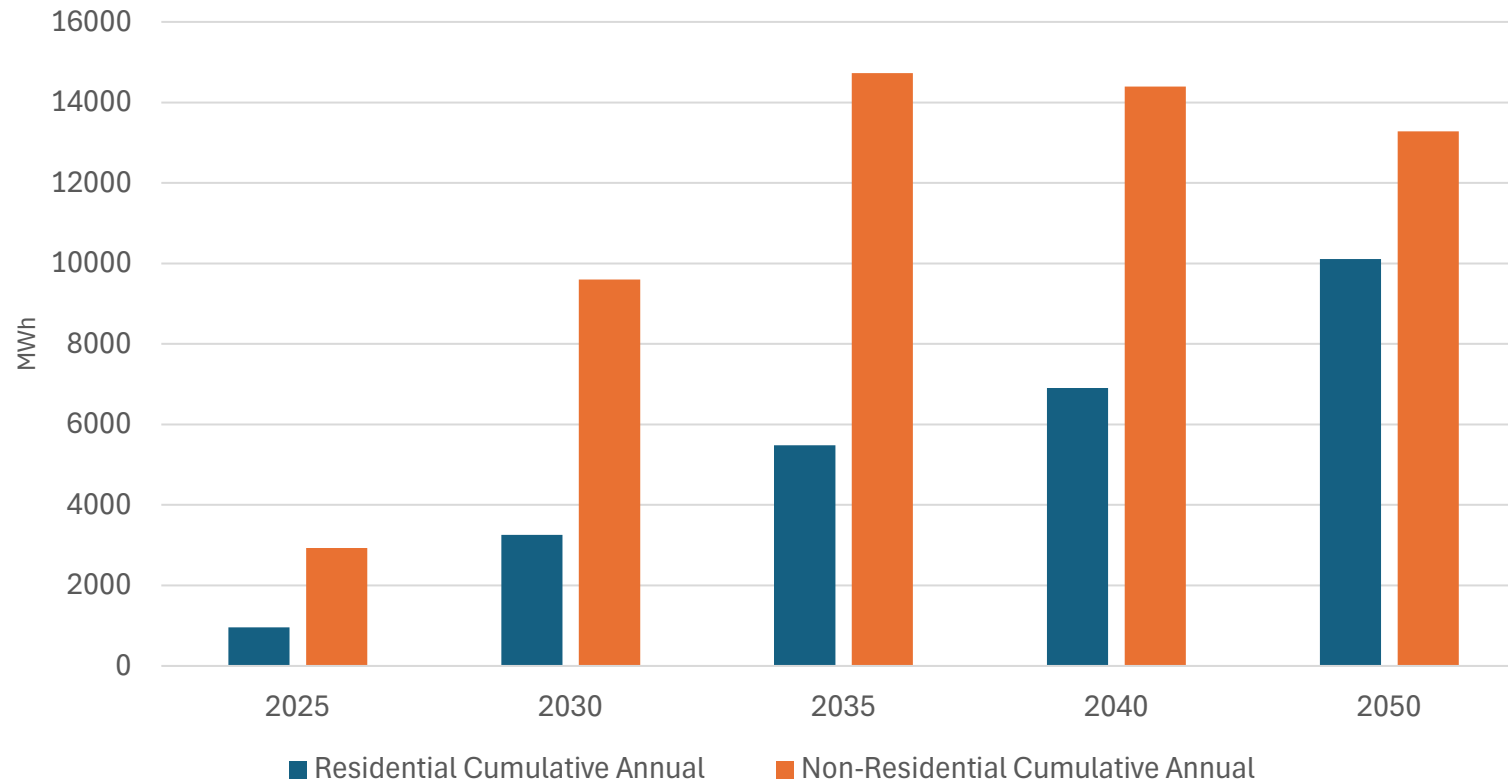
## Bennington Commercial CCHP Targets





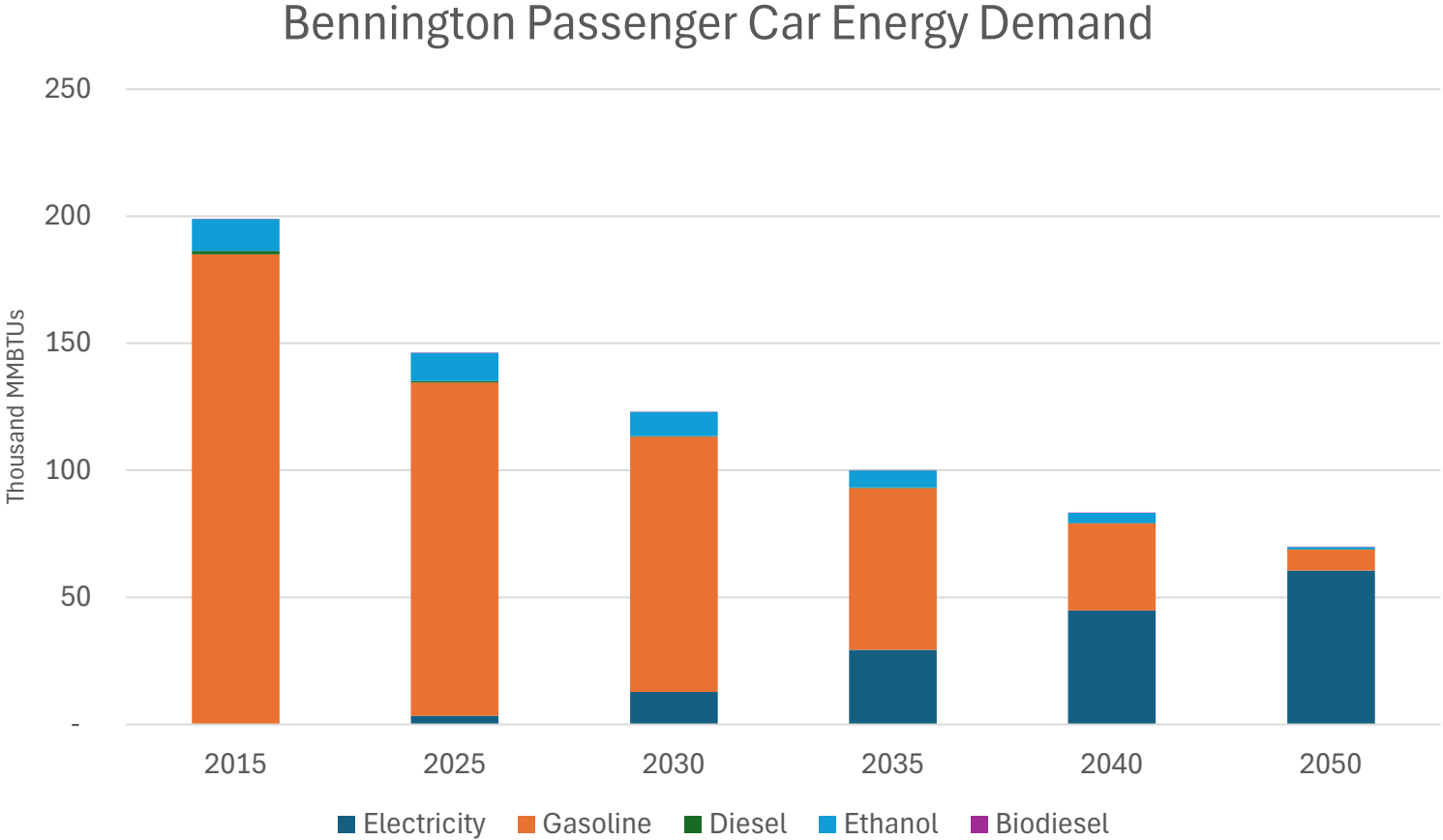
# Electric Efficiency

## Bennington Achievable Electric Efficiency Savings



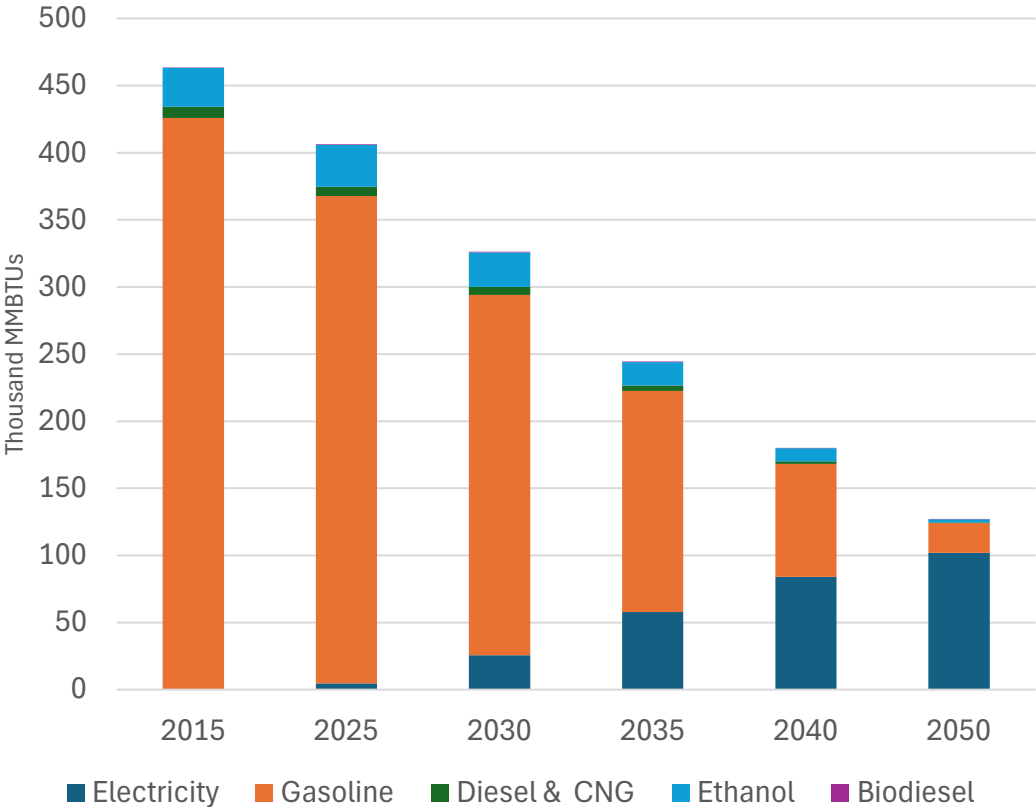
Data source: EEU Potential Study

# Transportation Energy Demand & Targets

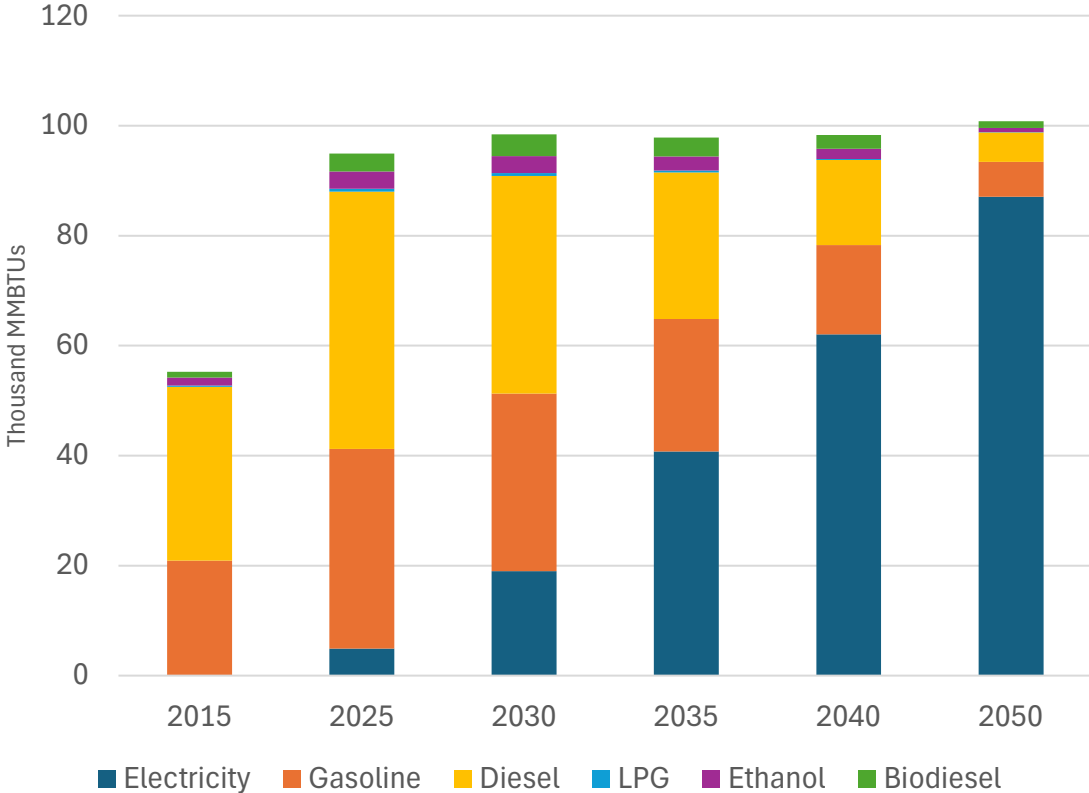


# Transportation Energy Demand & Targets

## Bennington Light Truck Energy Demand

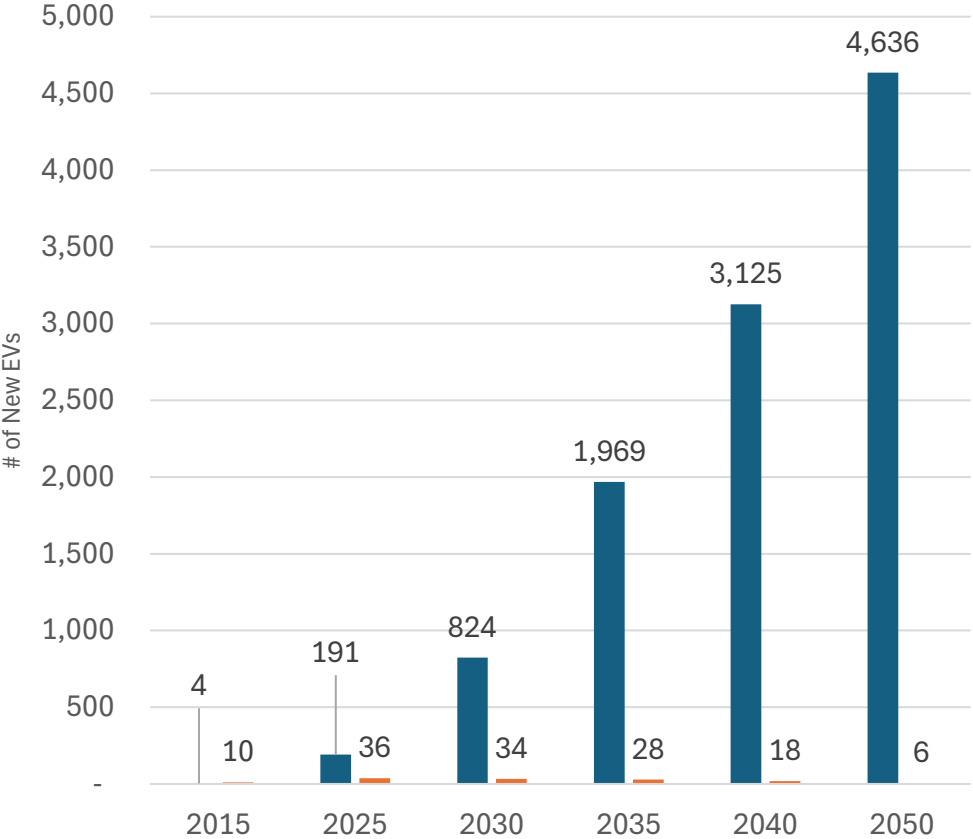


## Bennington Medium Duty Truck Energy Demand

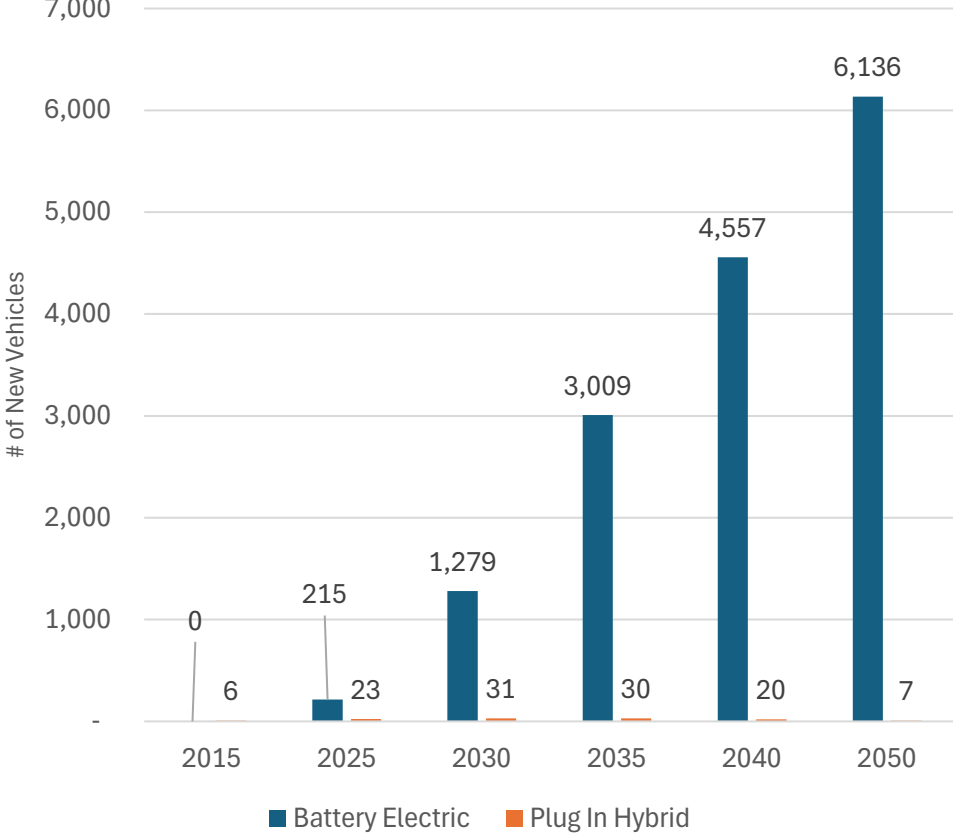


# Transportation Energy Demand & Targets

## Bennington EV and PHEV Targets



## Bennington Light Truck EV & PHEV Targets



# Renewable Energy Generation Targets (in MW)

YEAR	SOLAR	ROOFTOP SOLAR	WIND	HYDRO	TOTAL
2025	4.7	3.5	0.3	0.1	8.6
2035	9.9	7.9	0.6	0.2	18.6
2050	14.6	11.4	0.9	0.3	27.2

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