

# LEAP Projections - Shaftsbury

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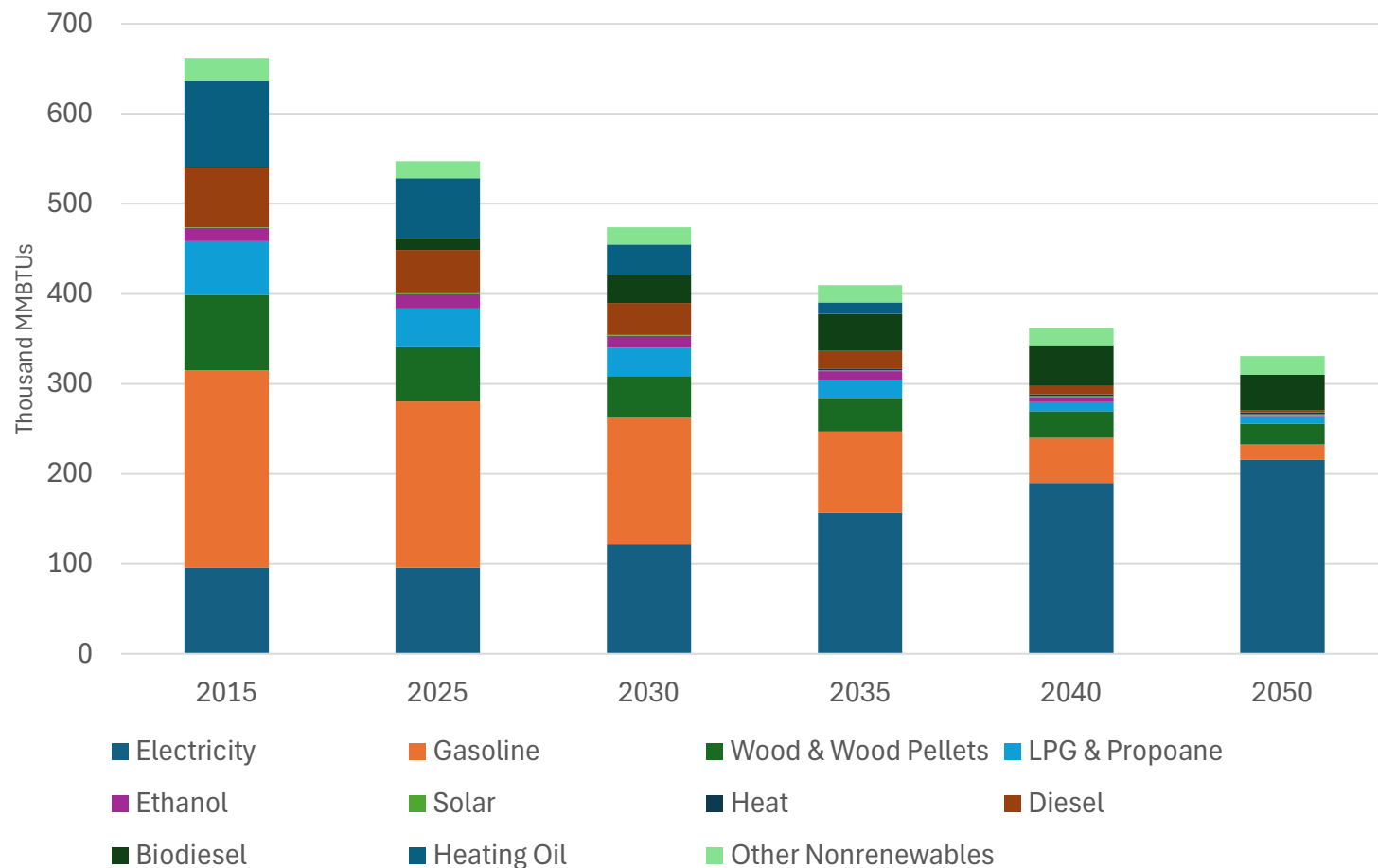
The following projections and targets come from the Low Emissions Analysis Platform (LEAP) model, which is a tool used by the State of Vermont to analyze and project energy demand across multiple sectors at the state and regional levels for the years 2015-2050. The general trends depicted in these LEAP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



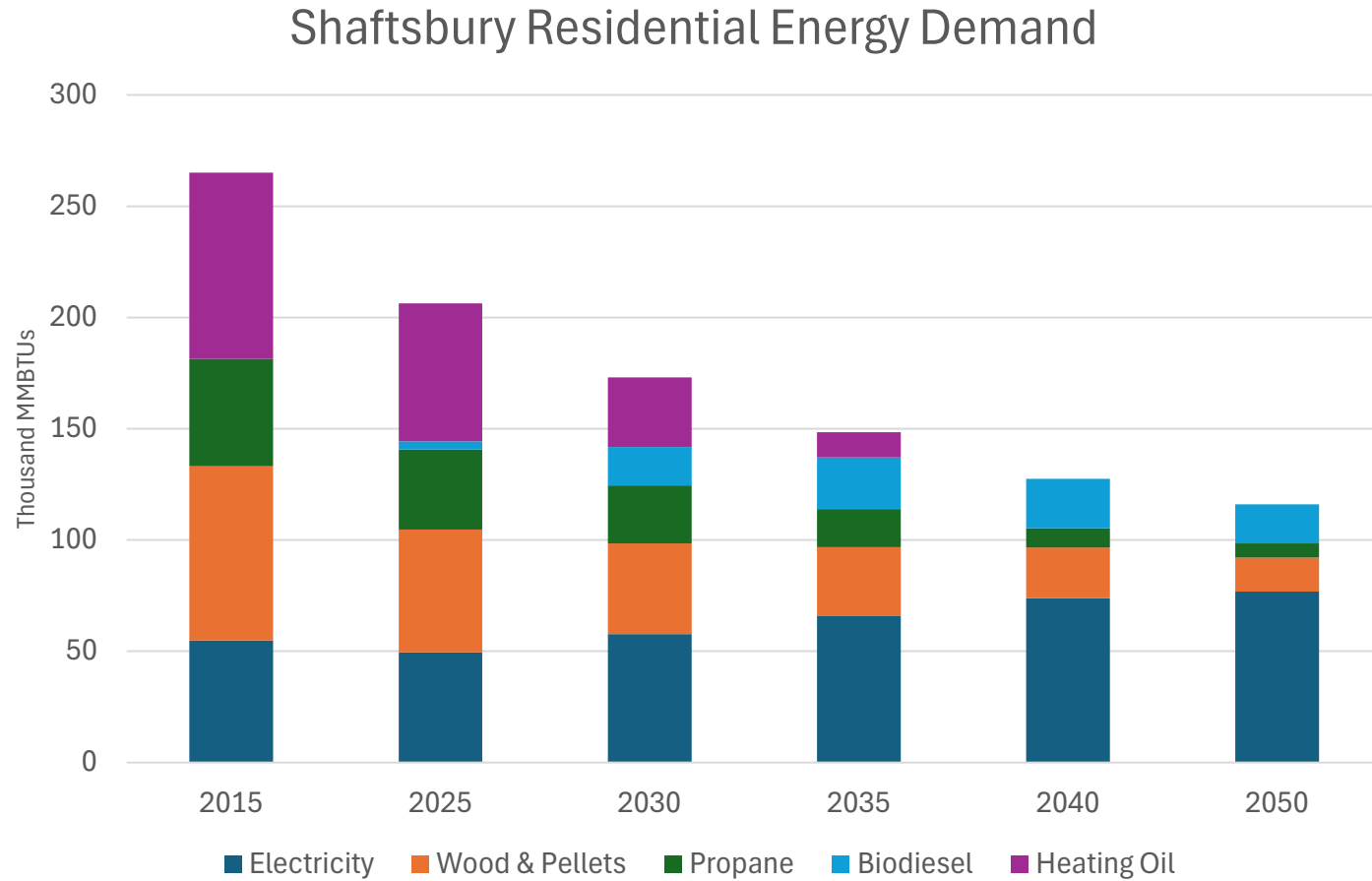
## Shaftsbury Total Energy Demand by Fuel Type



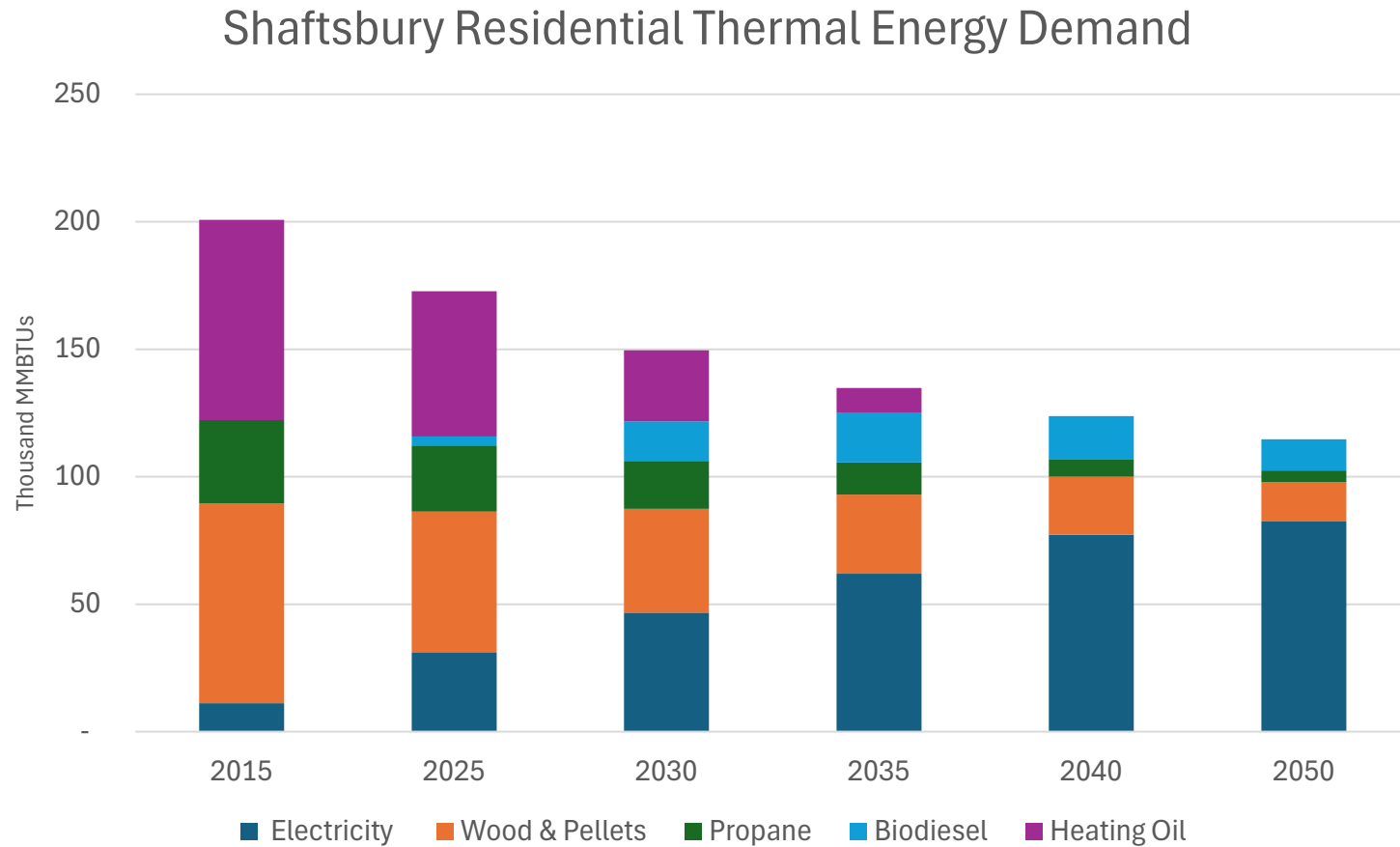
**What is a BTU?**  
 A BTU, or British Thermal Unit, is a measure of energy value or heat content. A BTU is the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit at a constant pressure of one atmospheric unit.  
 1 MBTU = 1,000 BTU  
 1 MMBTU = 1,000,000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

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

# Residential Energy Demand & Targets

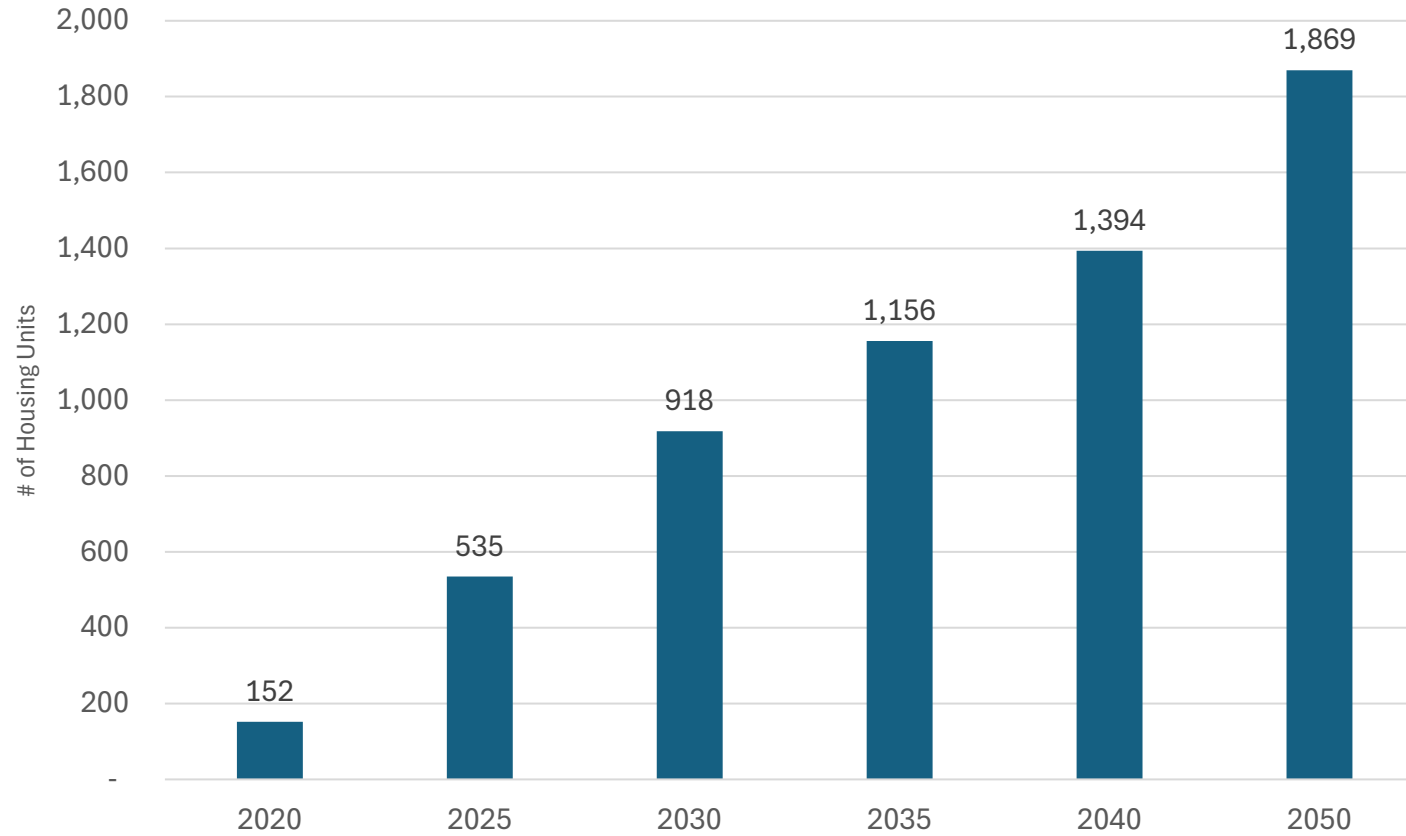


# Residential Energy Demand & Targets



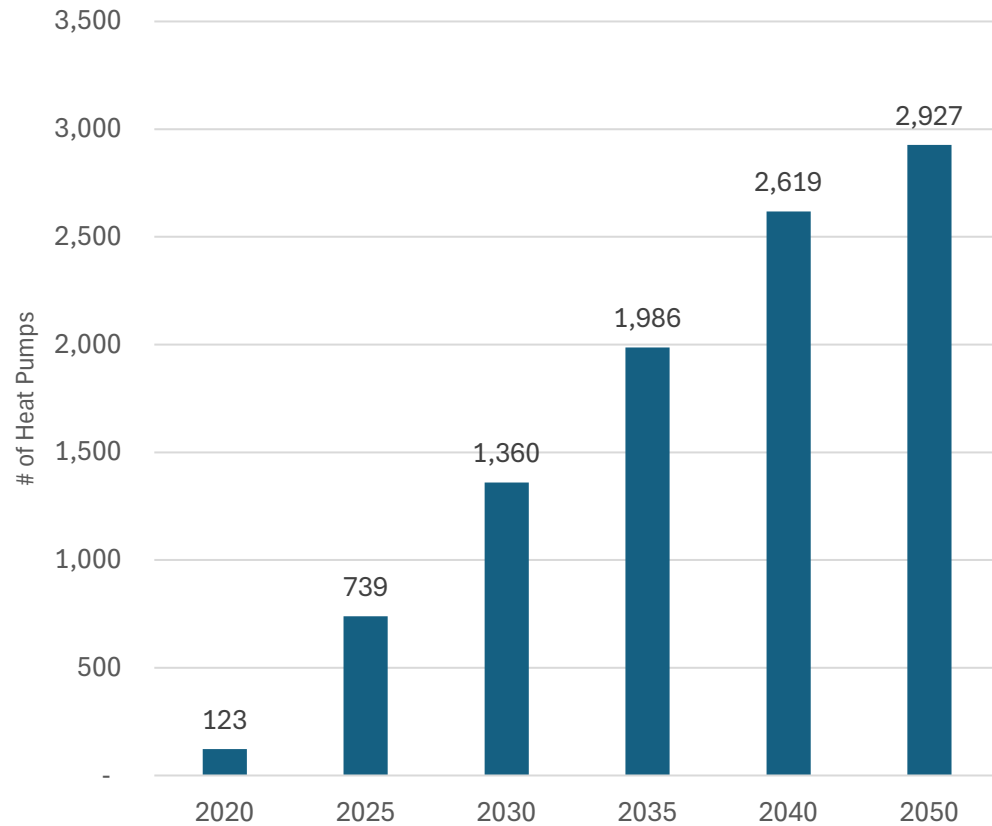
# Residential Energy Demand & Targets

## Shaftsbury Residential Weatherization Targets

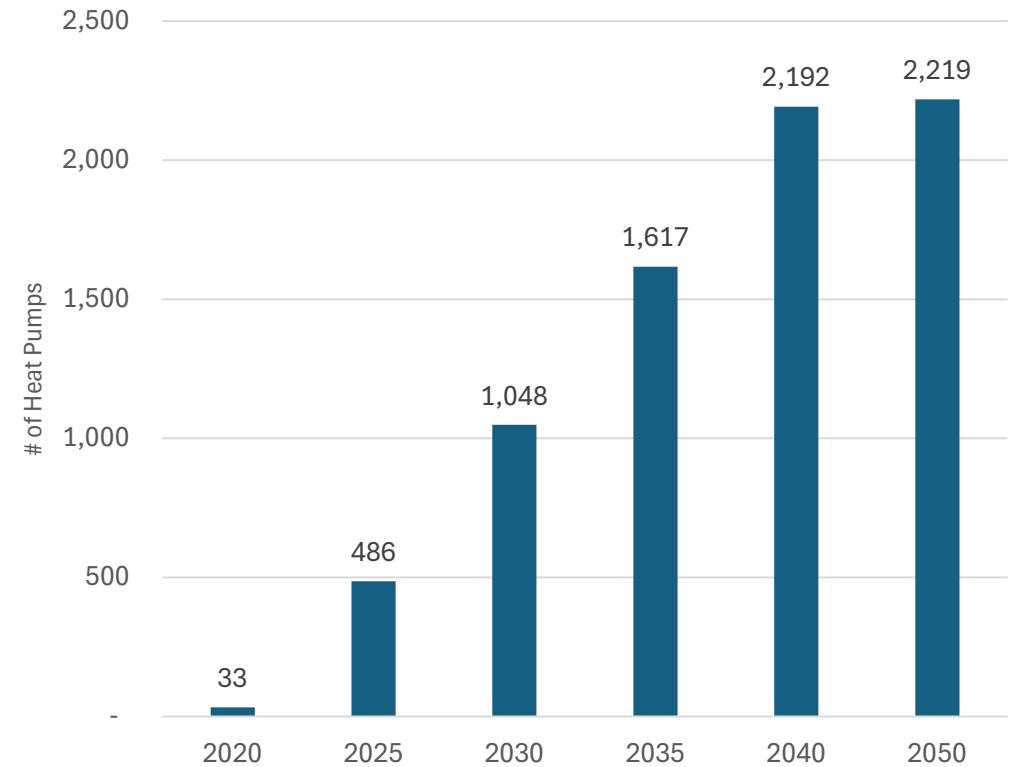


# Residential Energy Demand & Targets

## Shaftsbury Residential Heat Pump Targets

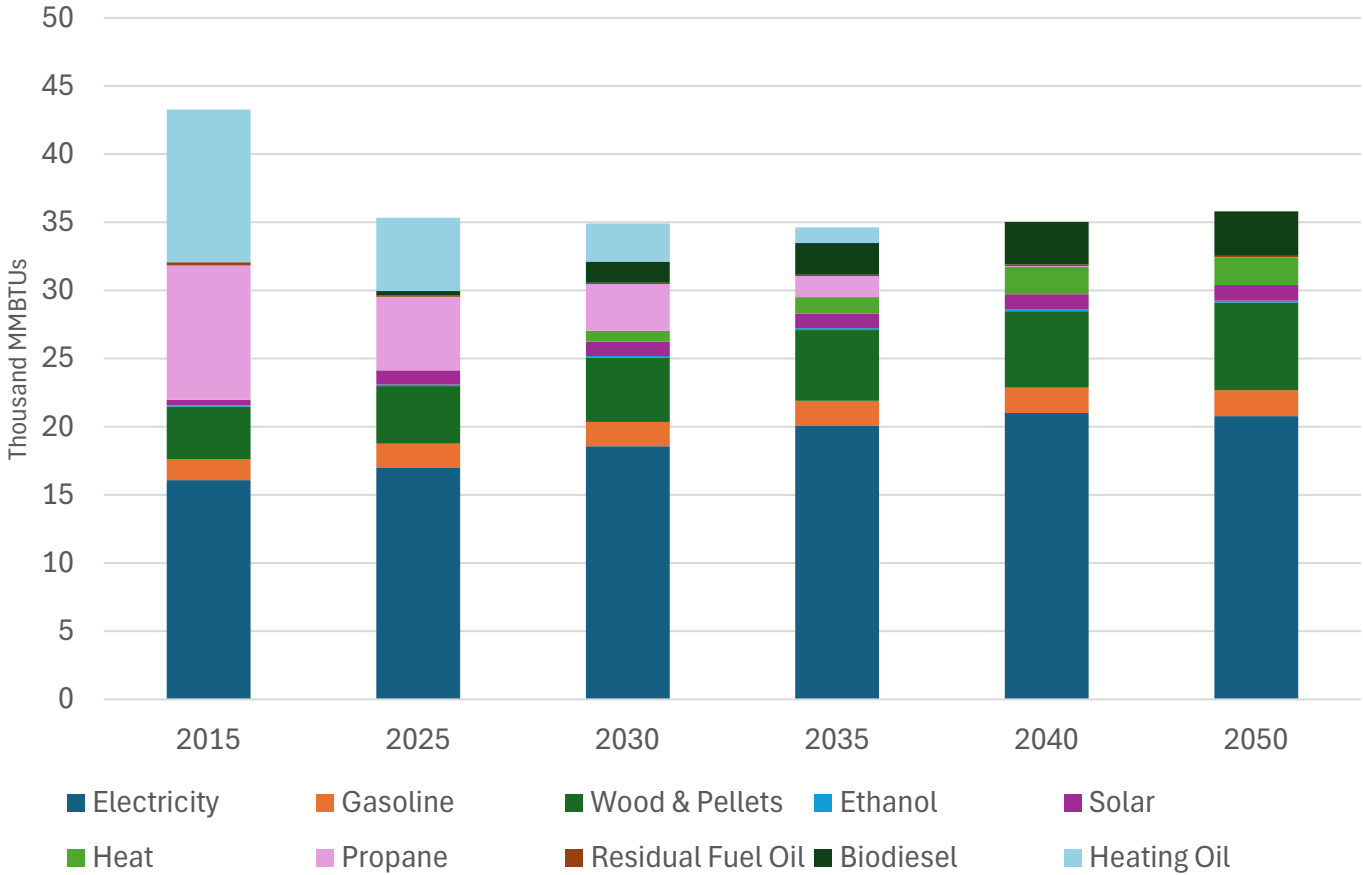


## Shaftsbury Residential Heat Pump Water Heater Targets



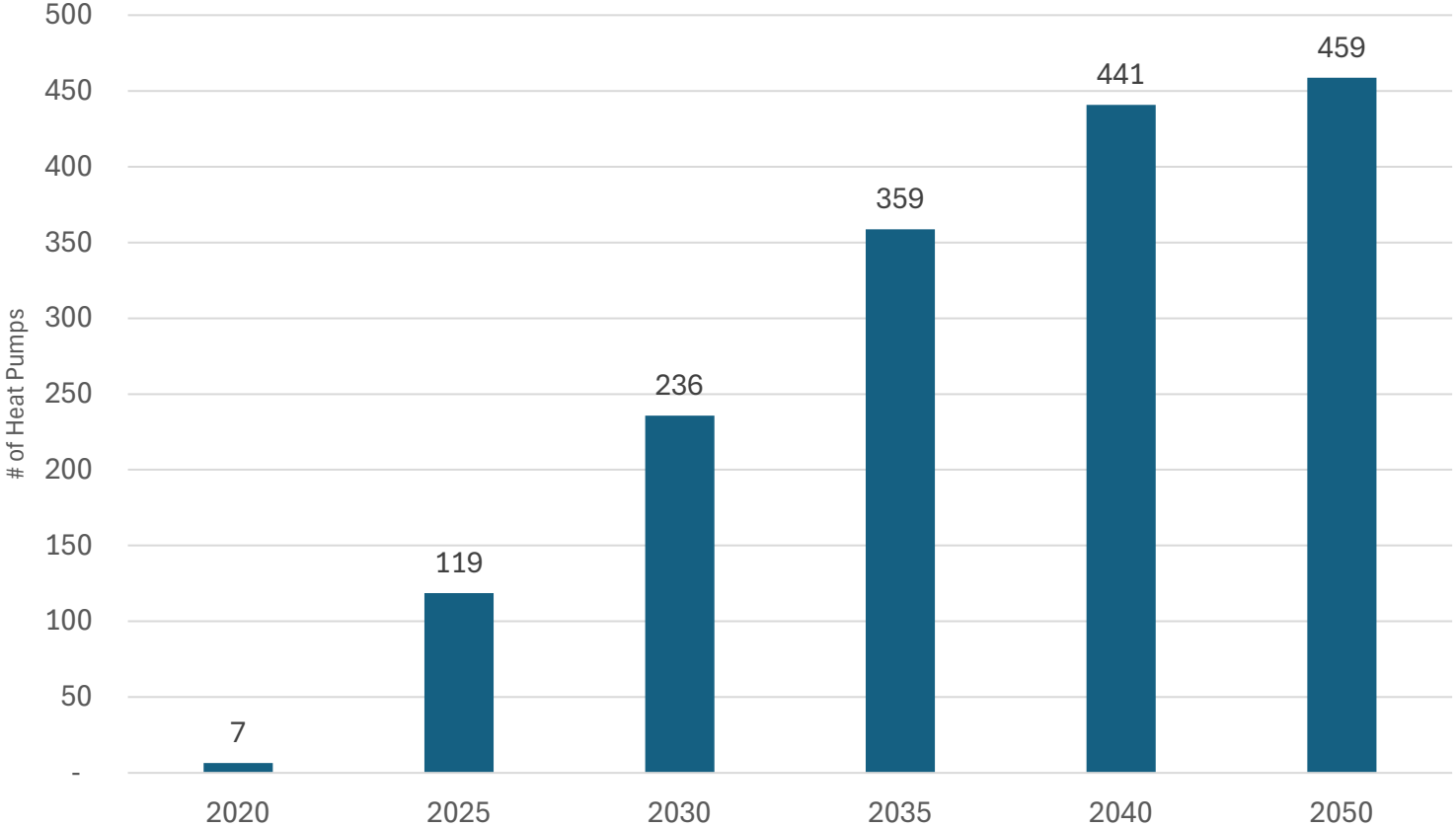
# Commercial Energy Demand & Targets

## Shaftsbury Commercial Energy Demand



# Commercial Energy Demand & Targets

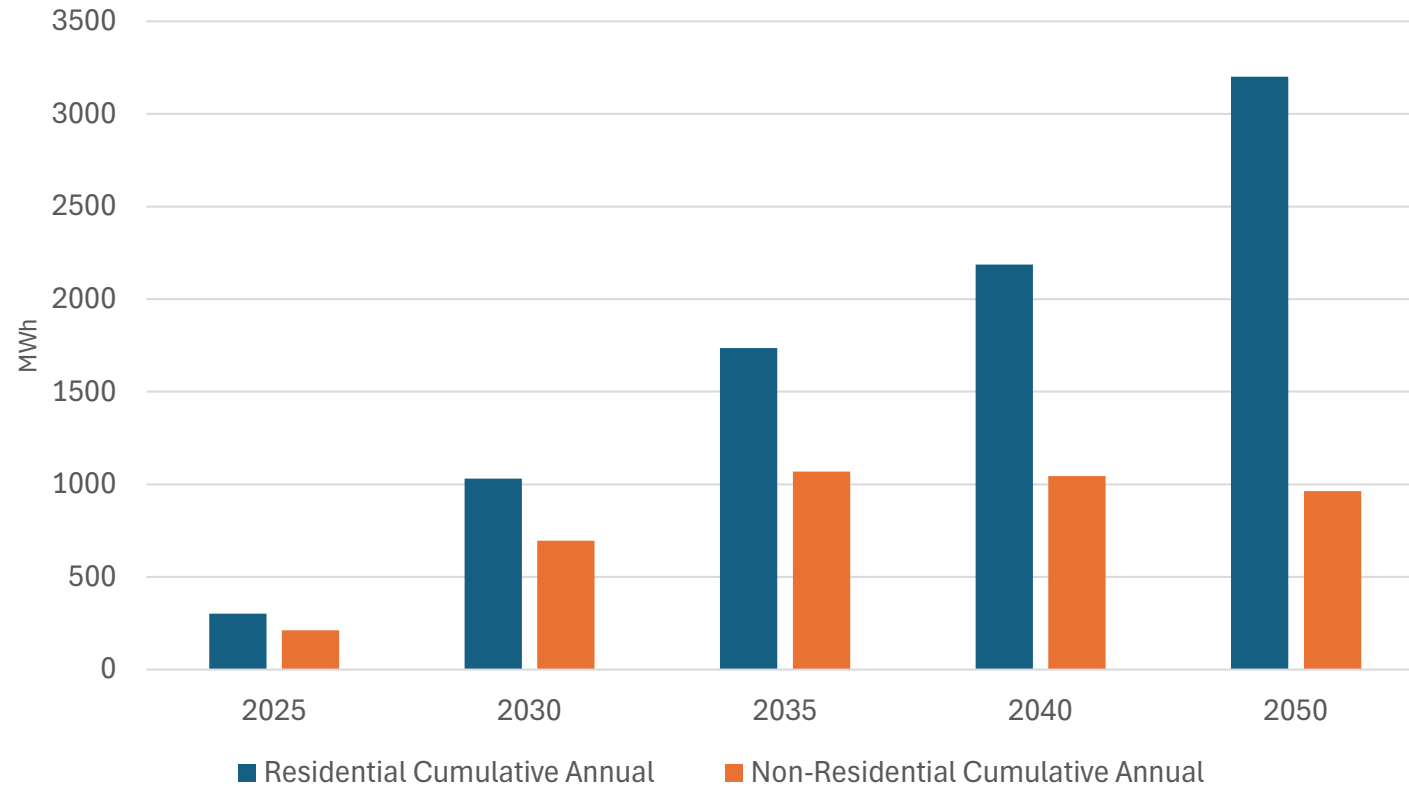
## Shaftsbury Commercial Heat Pump Targets





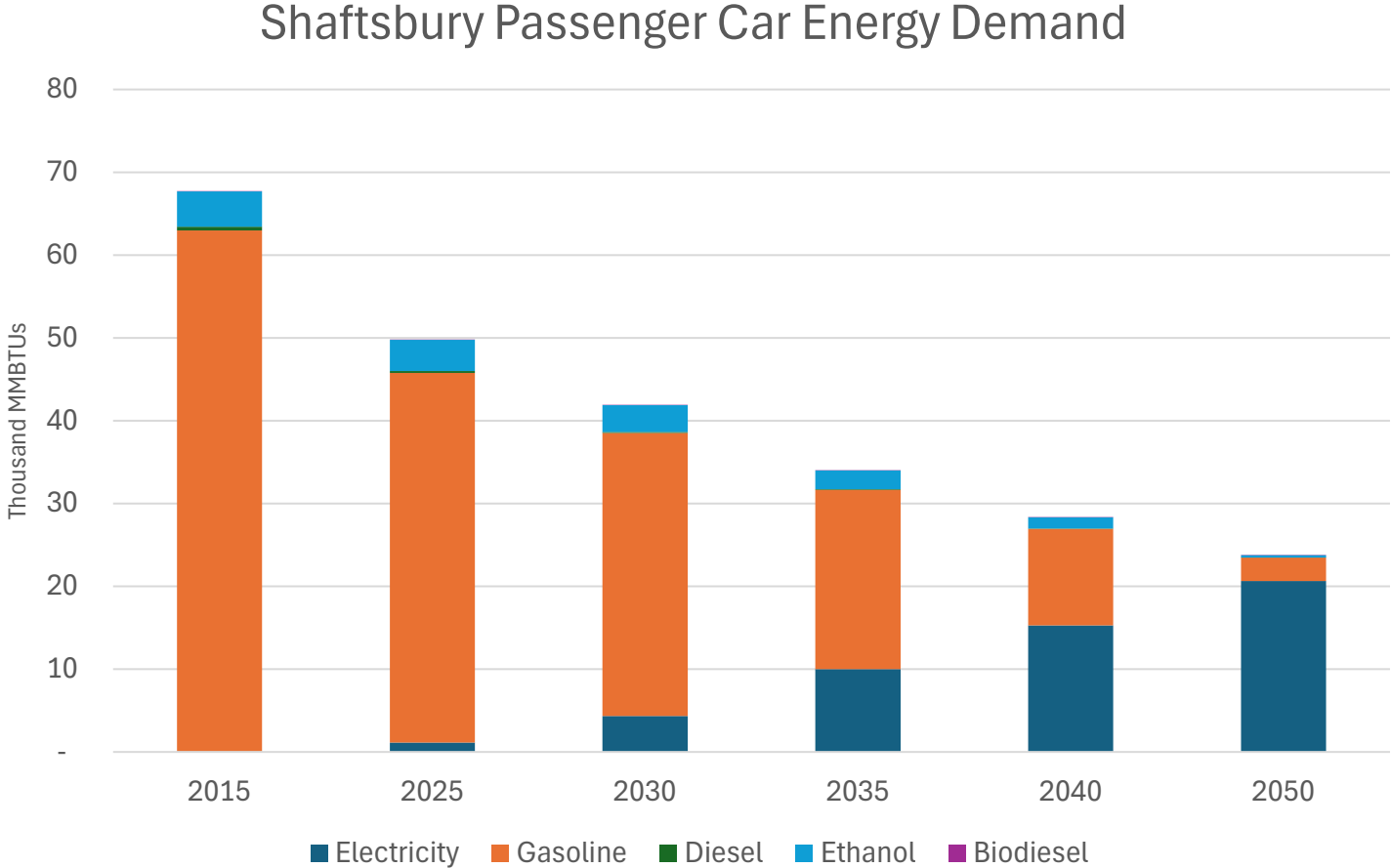
# Electric Efficiency

## Shaftsbury Electric Efficiency Savings



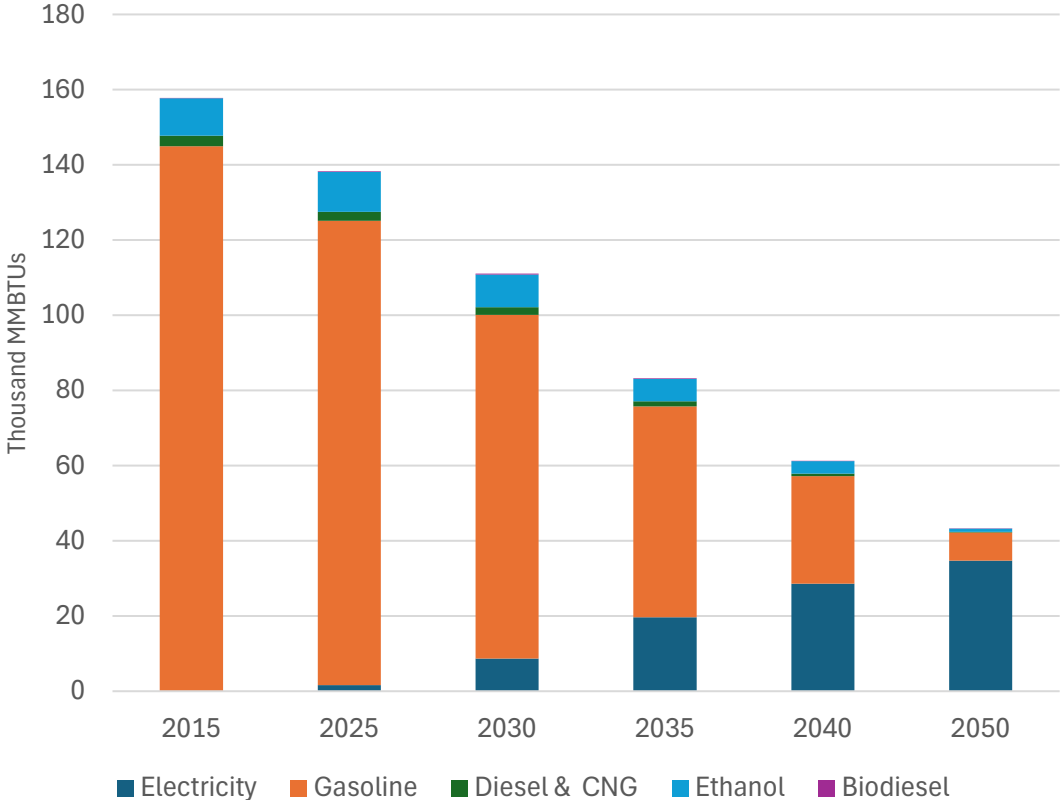
Data source: EEU Potential Study

# Transportation Energy Demand & Targets

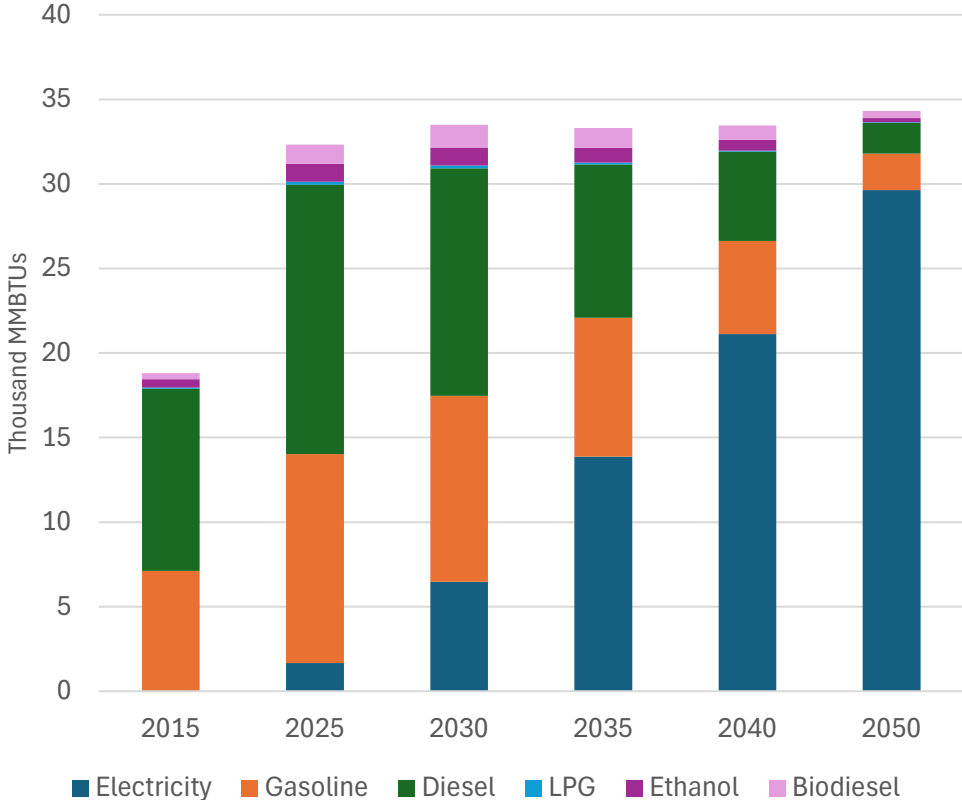


# Transportation Energy Demand & Targets

## Shaftsbury Light Truck Energy Demand

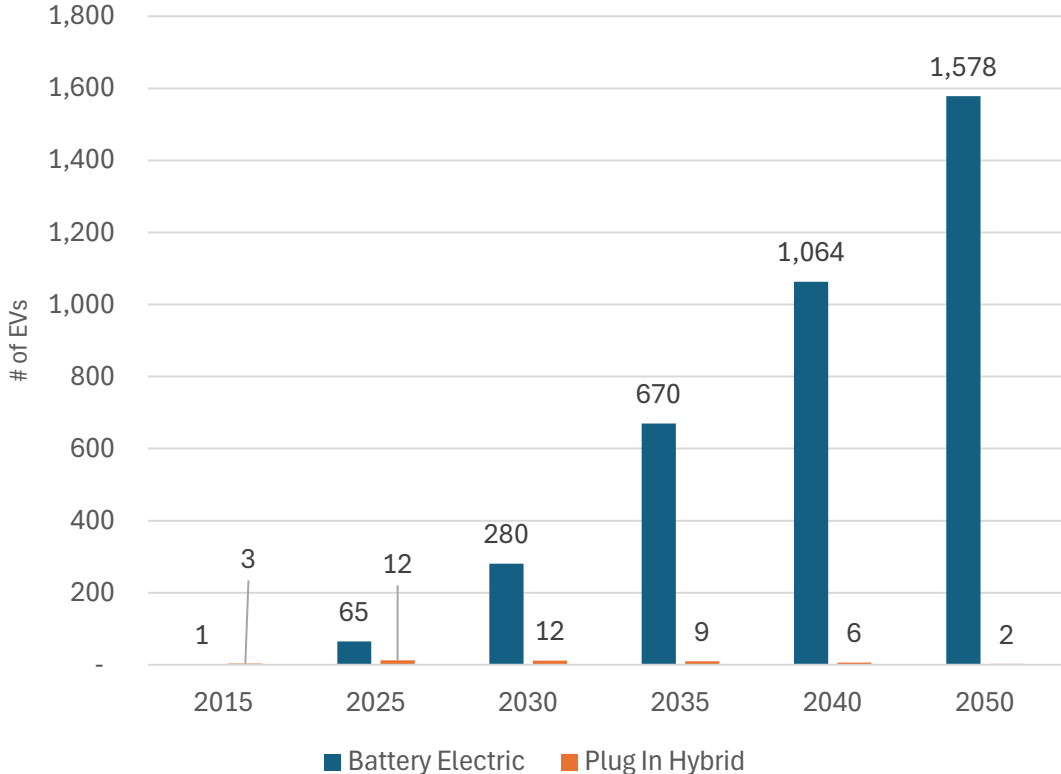


## Shaftsbury Medium Truck Energy Demand

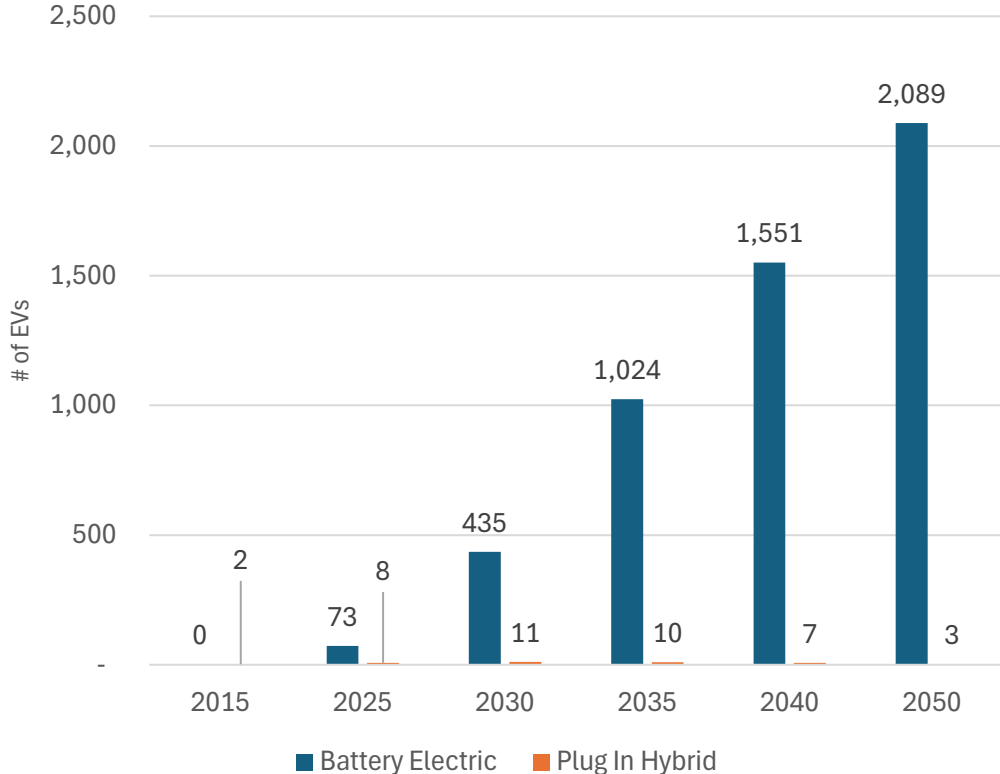


# Transportation Energy Demand & Targets

### Shaftsbury EV and PHEV Targets



### Shaftsbury Light Truck EV and PHEV Targets



# Renewable Energy Generation Targets (in MW)

YEAR	SOLAR	ROOFTOP SOLAR	WIND	HYDRO	TOTAL
2025	1.1	0.8	0.06	0	1.96
2035	2	1.5	0.1	0	3.6
2050	2.9	2.2	0.2	0.1	5.4

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