

# LEAP Projections - Dorset

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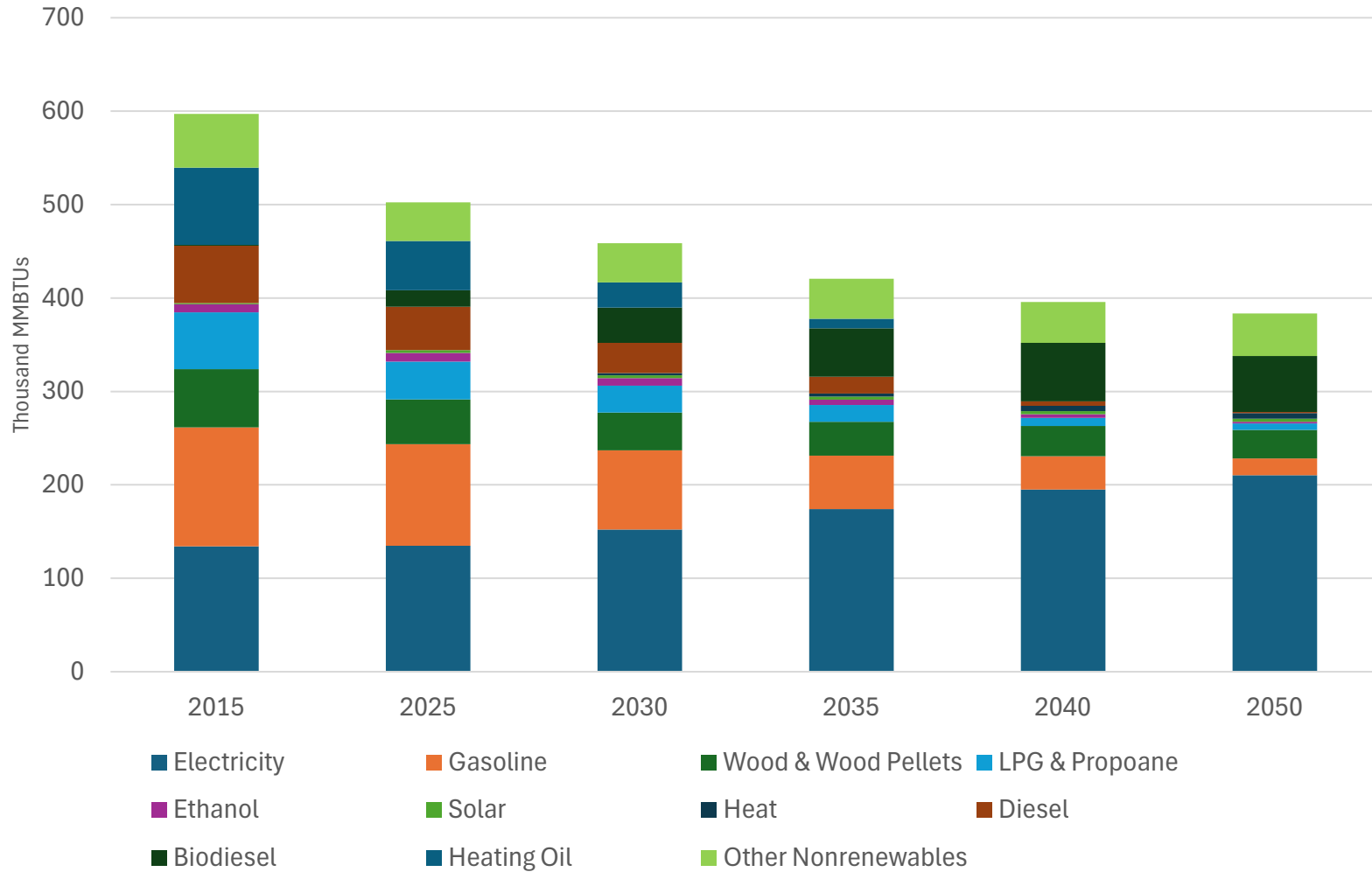
The following projections and targets come from the Low Emissions Analysis Platform (LEAP) model, which is a tool used by the State of Vermont to analyze and project energy demand across multiple sectors at the state and regional levels for the years 2015-2050. The general trends depicted in these LEAP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



## Dorset Total Energy Demand by Fuel Type



### What is a BTU?

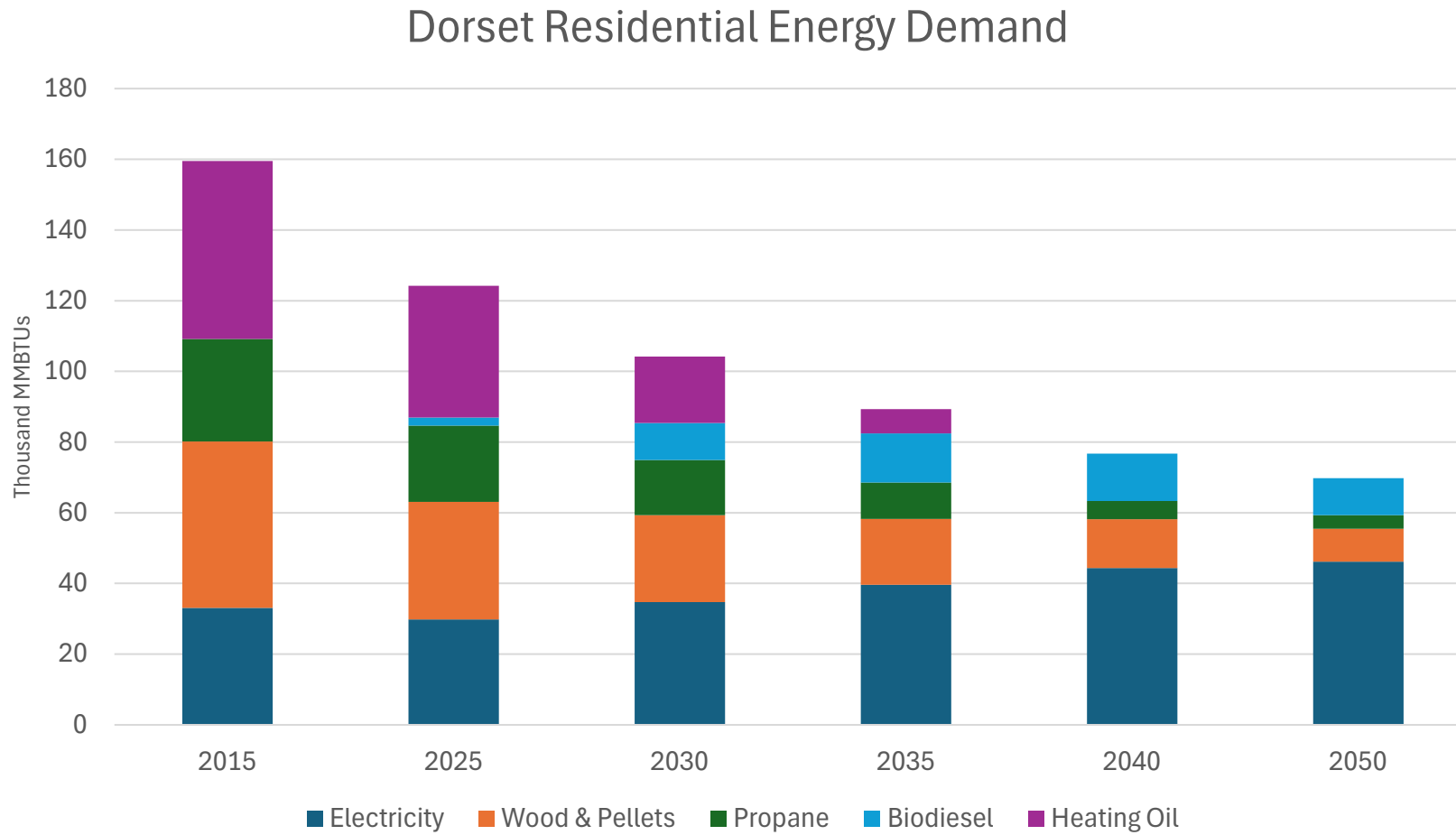
A BTU, or British Thermal Unit, is a measure of energy value or heat content. A BTU is the amount of heat required to raise the temperature of one pound of water by one degree Fahrenheit at a constant pressure of one atmospheric unit.

1 MBTU = 1,000 BTU

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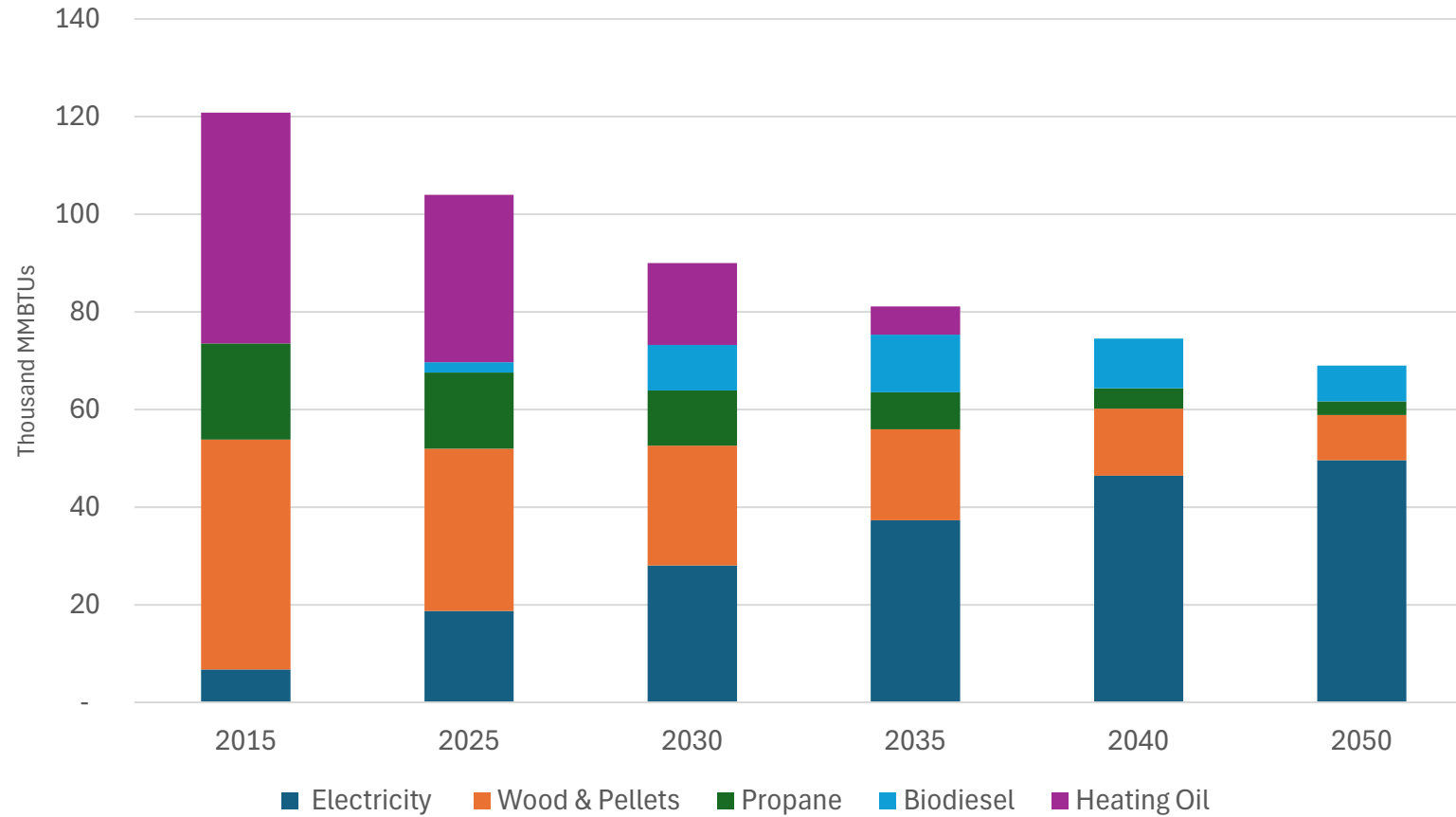
**Annual energy use is typically measured in units of Thousand MMBTUs**

# Residential Energy Demand & Targets



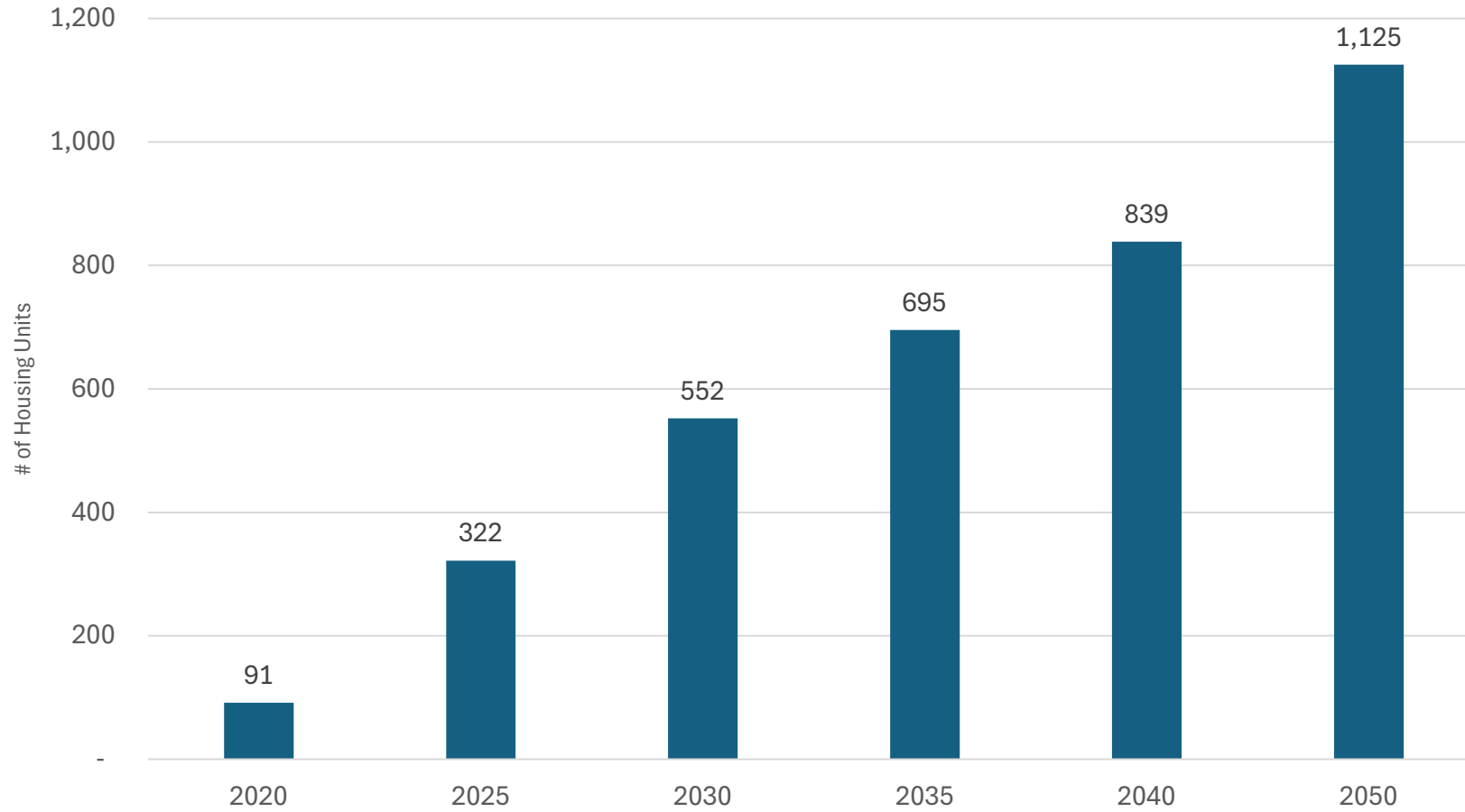
# Residential Energy Demand & Targets

## Dorset Residential Energy Demand for Heating



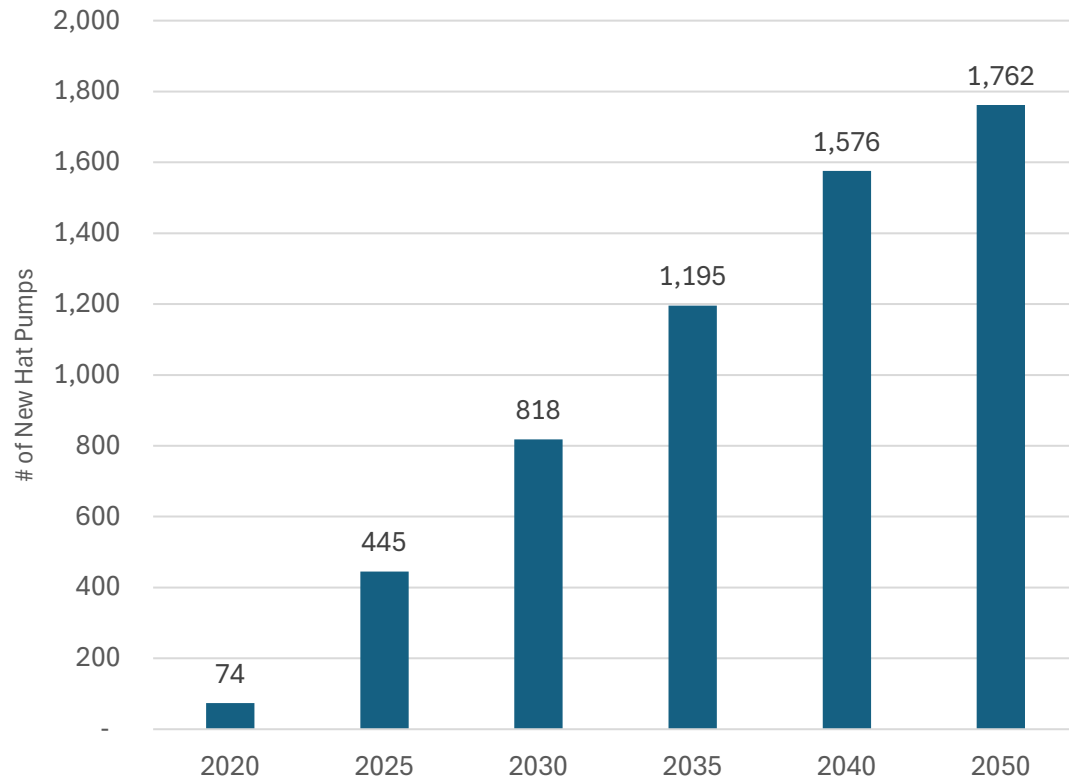
# Residential Energy Demand & Targets

## Dorset Residential Weatherization Targets

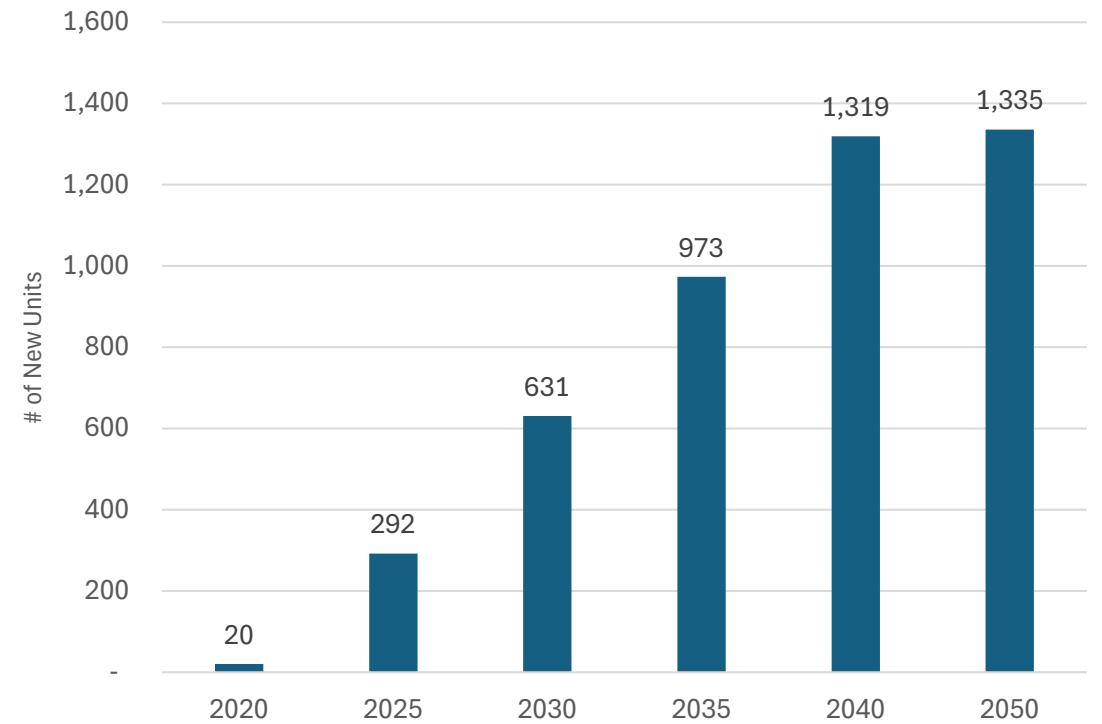


# Residential Energy Demand & Targets

## Dorset Residential Heat Pump Targets

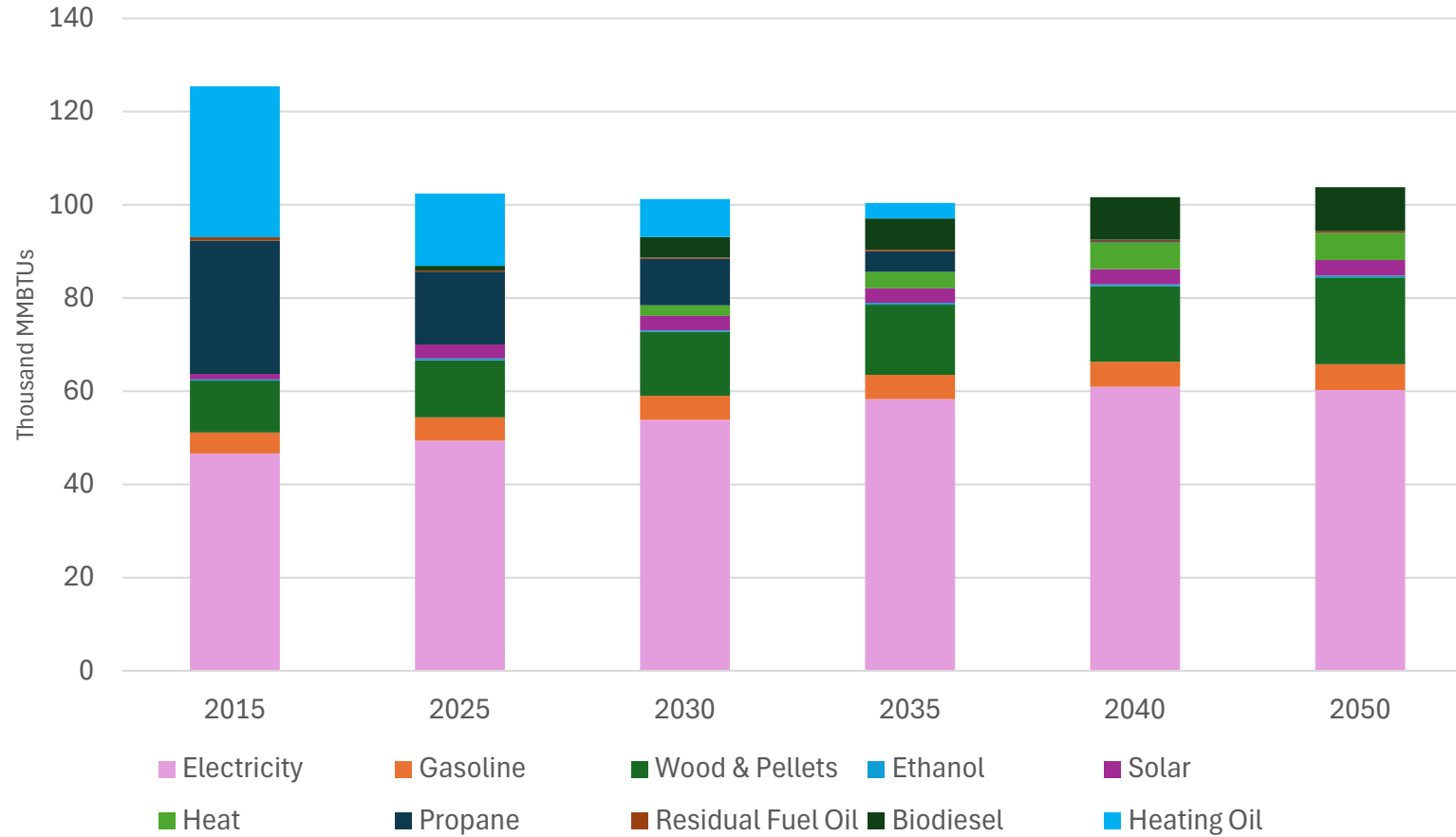


## Dorset Residential Heat Pump Water Heater Targets



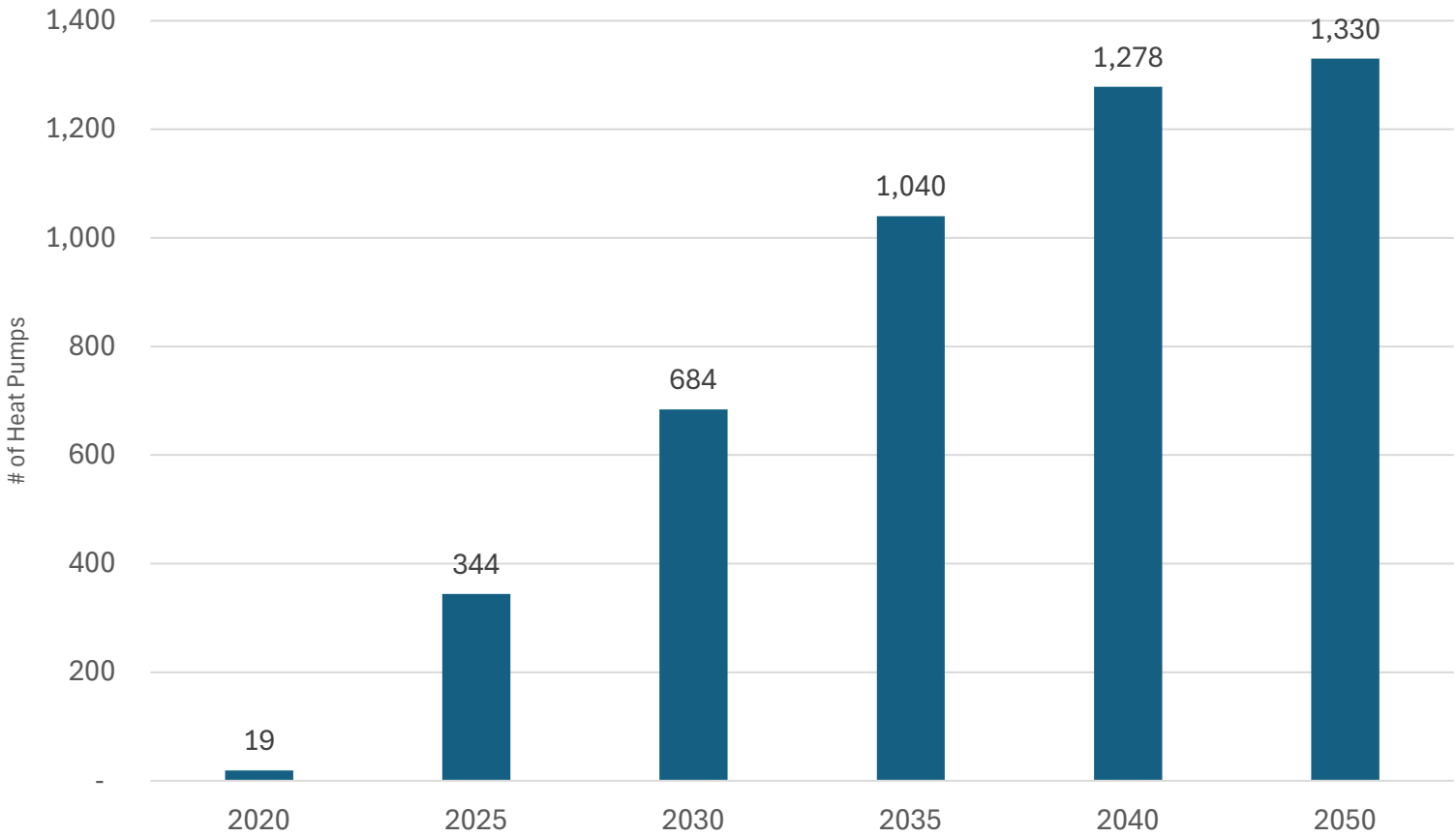
# Commercial Energy Demand & Targets

## Dorset Commercial Energy Demand



# Commercial Energy Demand & Targets

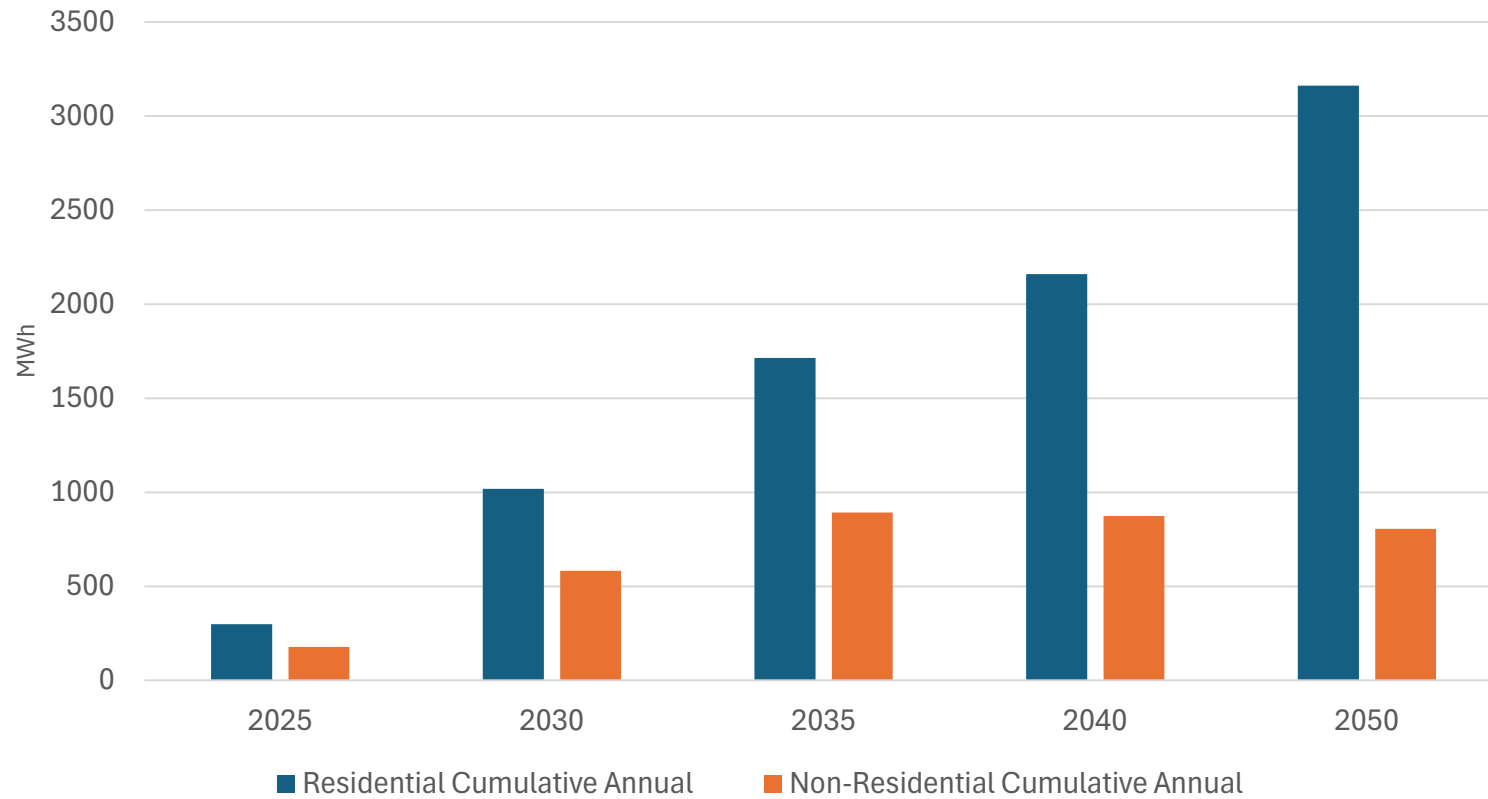
## Dorset Commercial Heat Pump Targets





# Electric Efficiency

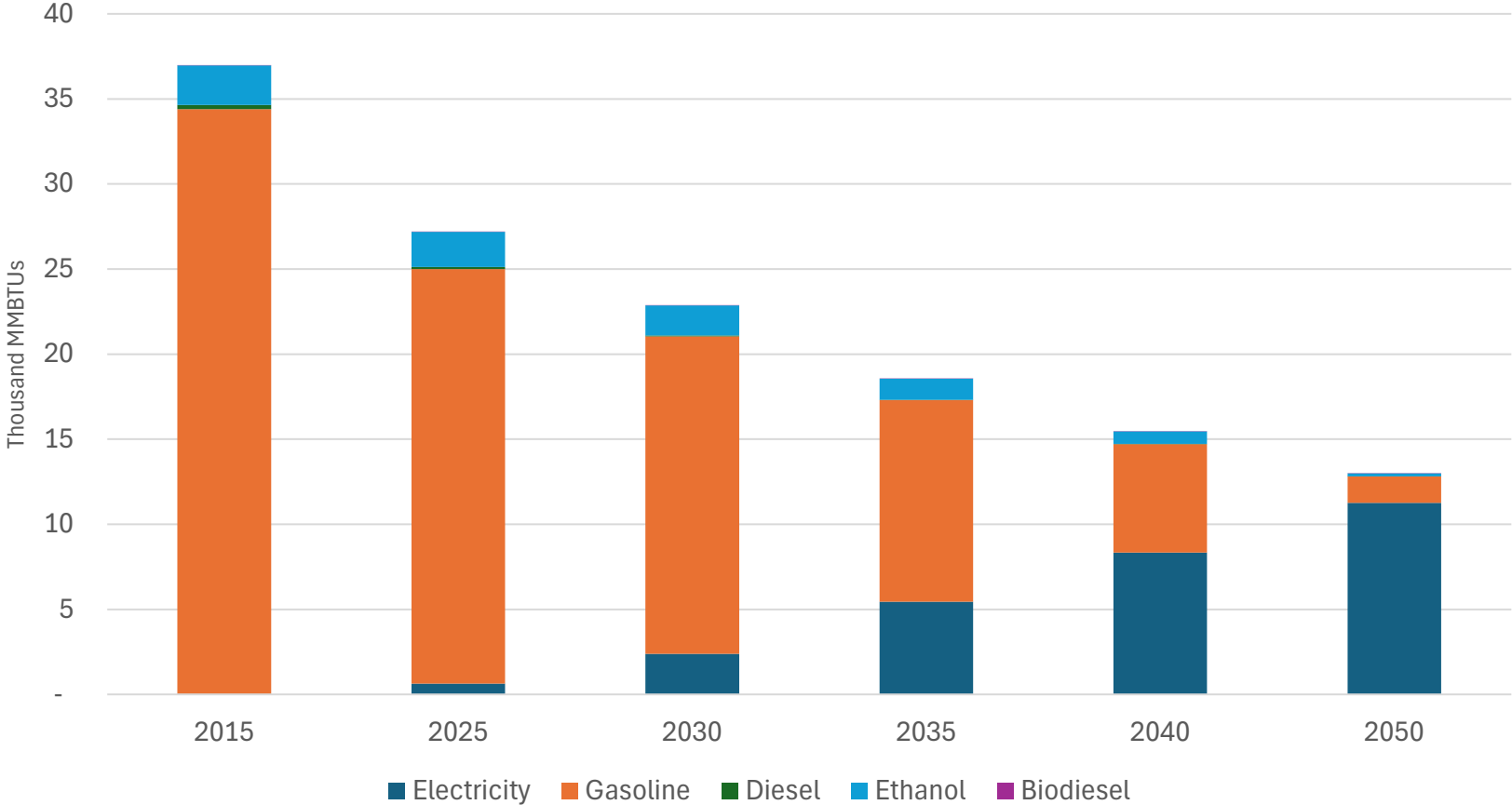
## Dorset Electric Efficiency Savings



Data source: EEU Potential Study

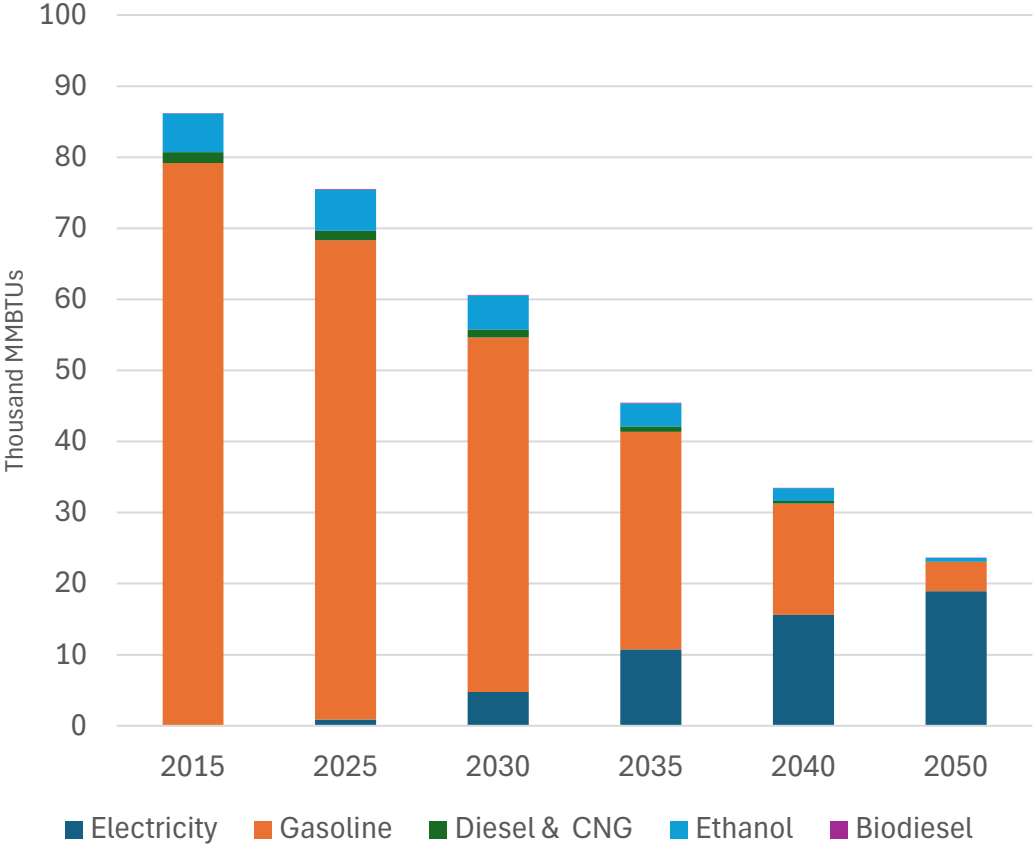
# Transportation Energy Demand & Targets

## Dorset Passenger Car Energy Demand

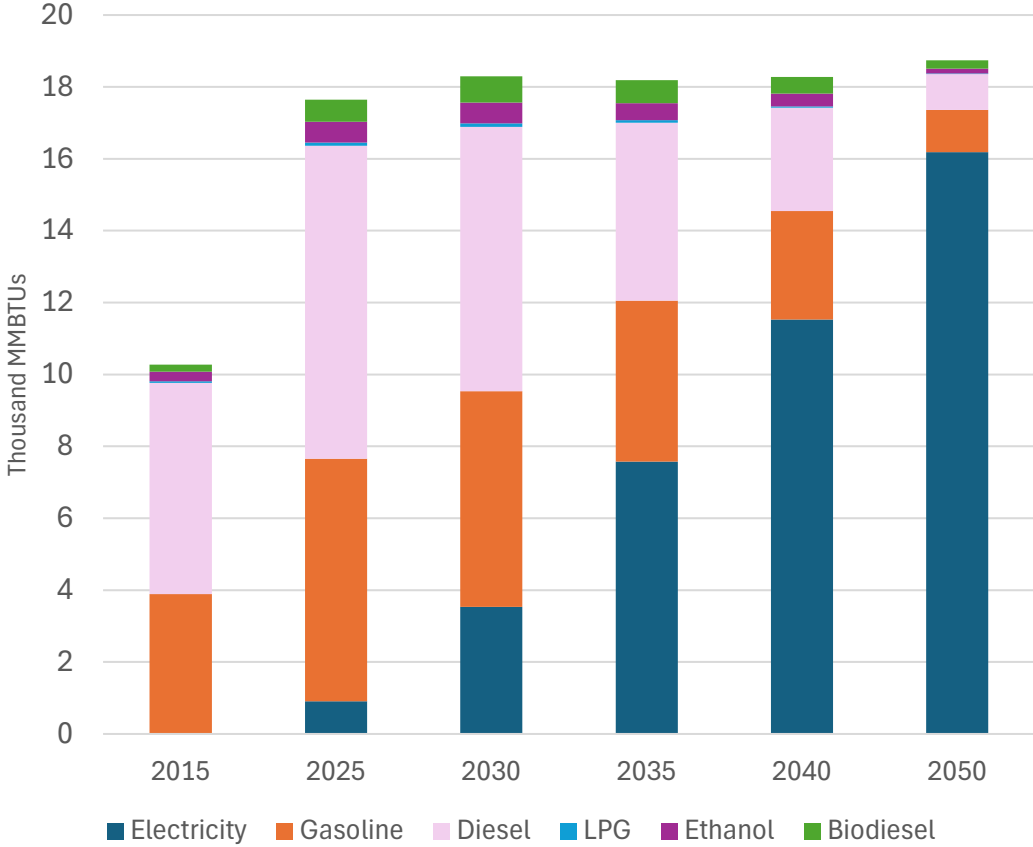


# Transportation Energy Demand & Targets

## Dorset Light Truck Energy Demand

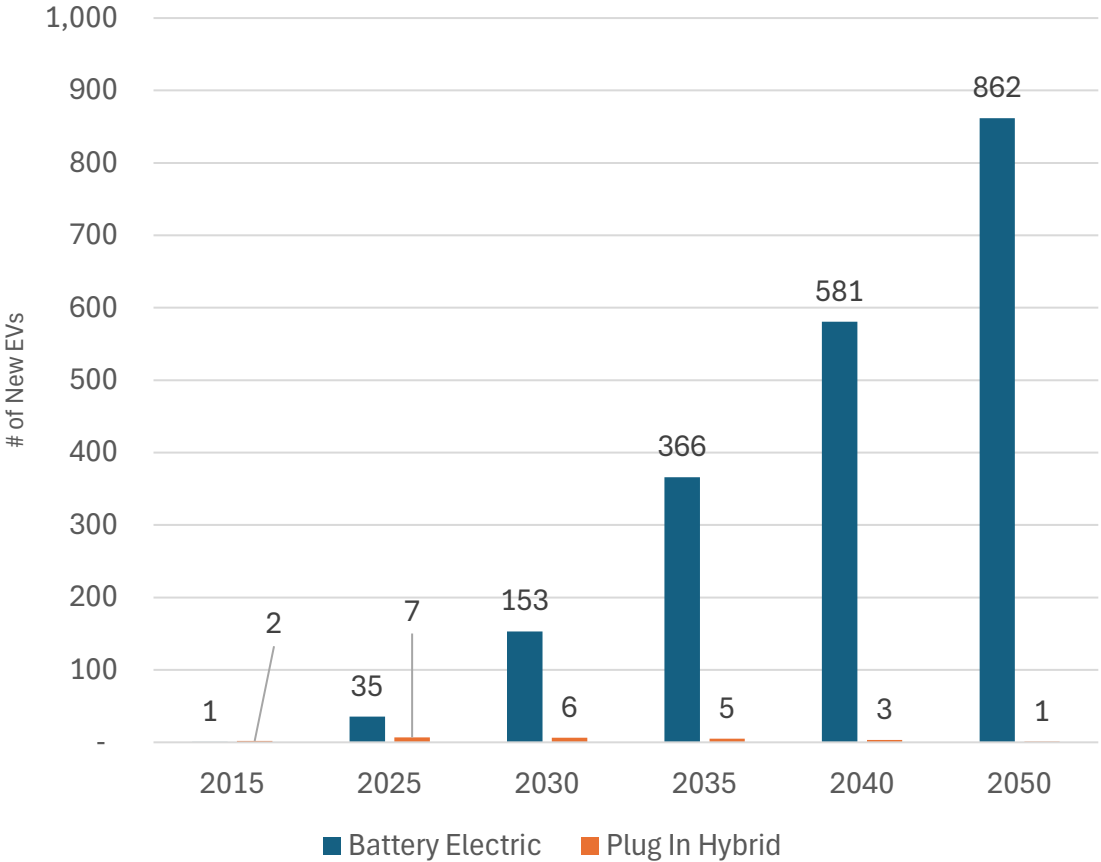


## Dorset Medium Duty Truck Energy Demand

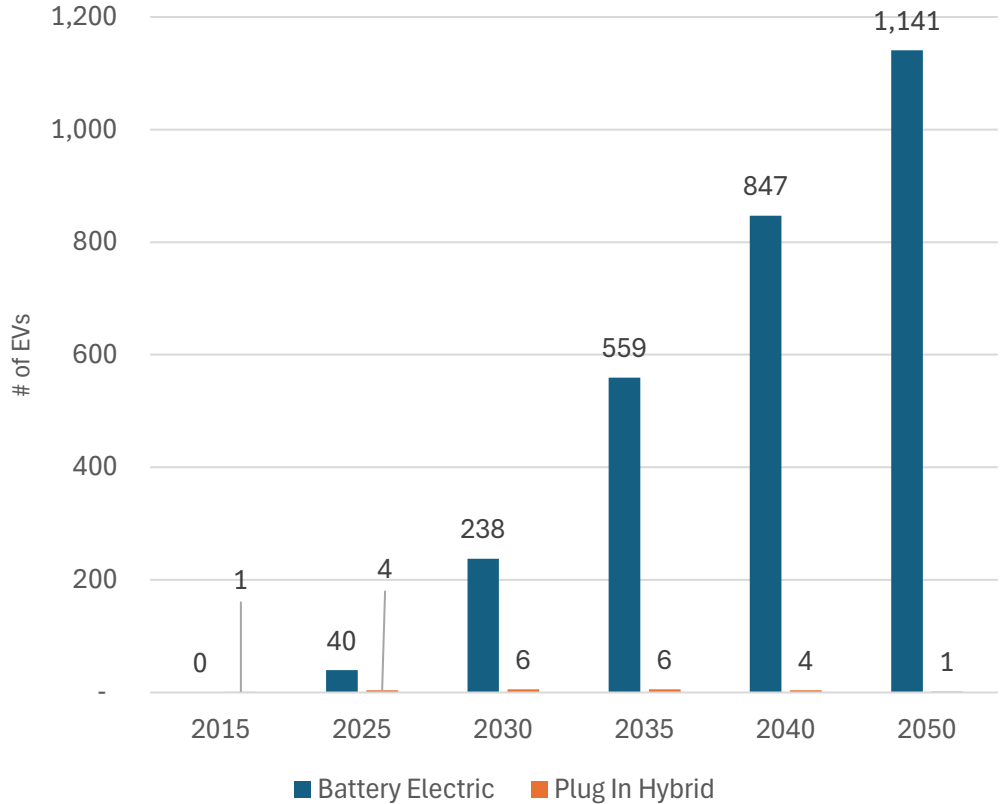


# Transportation Energy Demand & Targets

### Dorset EV and PHEV Targets



### Dorset Light Duty Truck EV and PHEV Targets



# Renewable Energy Generation Targets (in MW)

YEAR	SOLAR	ROOFTOP SOLAR	WIND	HYDRO	TOTAL
2025	0.6	0.4	0.1	0	1.1
2035	1.5	1.2	0.3	0	3.0
2050	2.2	1.7	0.4	0	4.3

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