

# OUR ELECTRIC HOME

## MACKNIGHT WHĀNAU

5 people, 230m<sup>2</sup> ⚡ Dunedin

### What's in your electric home?

We have fully embraced heat pump technology to keep our home running efficiently. This includes two heat pumps for heating, a heat pump clothes dryer, and heat pump hot water. Our energy needs are supported by a 5kW solar system paired with a substantial 26kWh battery storage setup.

### When did you start, and why?

The journey began in 2022 when I tried a hybrid car. I couldn't believe how little petrol it used, which led me to get a PHEV. From there I've progressively electrified everything, finding every step extremely worthwhile!

### How much have you saved?

The savings have been massive—we've saved roughly \$50,000 so far. We save about \$5,000 per year on each of our two cars and another \$5,000 per year on electricity and gas. Before electrifying, our monthly home bills could hit \$600 in winter; now, our total energy bill is usually around \$140, maxing out at \$165.

### What do you love most about it?

That we can save so much money while doing the right thing for the environment gives hope that we can turn this around. Solar panels on the roof are like magic free energy!

### How has it changed your behaviour?

When you generate and store your own electricity, it becomes very precious to you. Because of that, being energy efficient has started to play a much bigger role in our daily lives.

### Any advice?

Start on the path to electrification. Every small step is worthwhile, and knowing we can all play a part and save money is very powerful.



### Energy bills

**Before:** \$1,150 /month  
\$450 (home) + \$700 (vehicle)

**After:**  
\$140 /month  
That's \$12,120 saved per year!

### Solar

5 kW

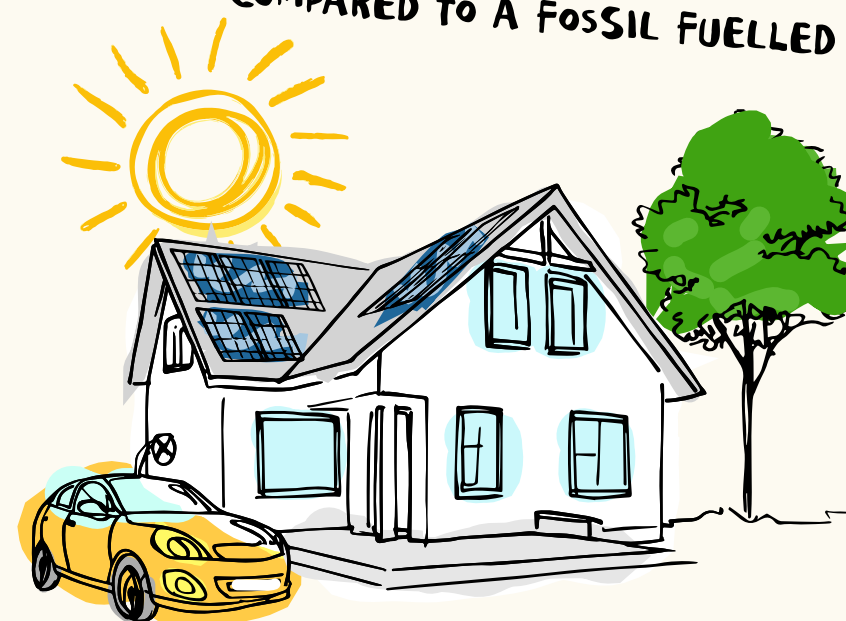
### Battery

26 kWh

### Vehicles

2x EVs

**ELECTRIC HOMES SAVE OVER  
100,000KG OF CO2E ON  
AVERAGE OVER 15 YEARS.**  
\*COMPARED TO A FOSSIL FUELLED HOME



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Aotearoa** 