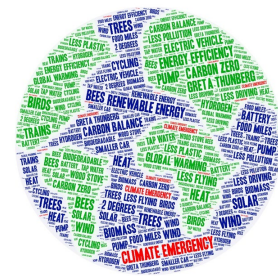




# Humshaugh Net Zero – 2020 Humshaugh Carbon Dioxide Emissions Survey

- **Humshaugh Residential Property Carbon Emissions Survey**
  - Conducted March-May 2020 in collaboration with Newcastle University
  - A total of 110 households surveyed, ~30% of all properties
  - Each household emits on average 15 tonnes of CO<sub>2</sub>e each year

Humshaugh Household Carbon Emissions (tonnes CO <sub>2</sub> e)		
Electricity	425	8%
Heating	1,486	28%
Cars	1,380	26%
Flying	849	16%
Food and Recycling	1,168	22%
<b>Total</b>	<b>5,308</b>	<b>100%</b>





# Electric Vehicle Uptake – 2020-2025

- **2020**

- Number of fully electric vehicles in Humshaugh – 1!

- **2025**

- Number of fully electric vehicles – ~35
- Number of home electric vehicle charge points – ~25
- Total number of vehicles in Humshaugh – 400-500

- **UK Government**

- **27/2/25** - Climate Change Committee: 4 out of 5 cars need to be electric by 2040
- **6/1/25** - No new petrol or diesel cars will be sold after 2030. All new cars and vans will need to be 100% zero emission by 2035



# HNZ EV Survey – February 2025

## 18 Respondents – Most common reply

- Why did you decide to buy an electric car?
  - Climate change/environmental concerns
- Had you considered buying one before, if so what had changed to convince you to buy one?
  - Had not considered buying an EV before
- How easy was to find a car that suited your needs?
  - Easy/very easy
- If you bought a used car, what did you think of the selection of used cars available?
  - N/A – most respondents purchased new EVs



# HNZ EV Survey – February 2025

## 18 Respondents – Most common reply

- How many miles do you expect to travel in it in 2025?
  - 10,000 – 12,000 miles
- What fraction of your charging do you do at home?
  - 90%-100%
- Do you have a cheap EV charging electricity supply contract at home?
  - Yes
- How many long journeys do you do, ones requiring you to charge at commercial chargers on the way?
  - Wide variation – None to 15 long trips each year
  - “In 2023 we drove from Humshaugh to Monaco in a Tesla EV which was so easy. It was completely pain free and I would happily do this again.”



# HNZ EV Survey – February 2025

## 18 Respondents – Most common reply

- Are commercial chargers easy to find?
  - Yes – much improved
- Do you find commercial chargers easy to use?
  - Yes – much improved
- If you have had an electric vehicle for a number of years, have you found commercial chargers easier to find in the last year?
  - Yes



# HNZ EV Survey – February 2025

## 18 Respondents – Most common reply

- Do you have access to fossil fuel vehicles?
  - 50:50
- Approximately how many miles do you anticipate you will travel using the petrol/diesel vehicle?
  - Wide variation – Negligible to 30,000 mile *per annum*
- When would you use the fossil fuel vehicles instead of an electric one?
  - Longer trips, higher loads/passenger numbers





# HNZ EV Survey – February 2025

## 18 Respondents – Most common reply

- What do you like about driving an electric vehicle?
  - Quiet/smooth, no emissions, cheap to run – everything!
- What do you dislike about driving an electric vehicle?
  - Nothing!
- Would you recommend buying an electric car to a relative or friend?
  - 100% Yes!
- Do you live in Humshaugh Parish?
  - All except 2



# EV Prices – Coming down!

Comparison of small/medium EVs – Nov 2024

Make	Size		Cost From	Usable Battery kWh	Maximum Charge Rate kW	Notes
	Length (m)	Wide (m)				
Audi Q4 e-tron 40	4.6	1.9	£51k	77	143	May not be available.
BMW						BMW no longer make a small EV
BYD ATTO3	4.5	1.9	£37k	61	89	
Citroen e-C3	4.0	1.8	£21K	44	100	
CUPRA Born eBoost	4.3	1.8	£42k	77	175	
Ford Mustang Mach-E	4.7	1.9	£60k	91	150	
Ford Explorer	4.5	1.9	£46k	77	135	
GWM Ora 03	4.3	1.9	£33k	48	64	
Hyundai Ionic 6	4.9	1.9	£47k	74	233	
Hyundai Kona Electric	4.4	1.8	£39k	65	100	
Kia Niro EV	4.4	1.8	£37k	65	80	
Leapmotor T03	3.6	1.6	£16k	37	30	
Mazda MX-30	4.4	1.9	£31k	36	50	
Mercedes						Mercedes do not make a small EV
MG MG4 EV Extended Range	4.3	1.8	£37k	74	144	
Nissan	4.5	1.8	£29k	39	46	

## New cars: what the critics say



**Leapmotor T03**  
Price: £15,995

### Car Magazine

With smaller cars falling out of favour, it might seem a strange time to launch an all-new electric city car – until you see the price tag: Leapmotor’s T03 costs less than £16,000. It was launched in China in 2020, but is just breaking into the European market thanks to a deal with Stellantis for distribution. If you’re in the market for a new electric city runabout, this “cheap-as-chips supermini EV” is worth a look.



# EV Range – Going up!

## New cars: what the critics say



### Kia EV3

Price: from £32,995

#### Autocar

Kia has ramped up the price war with its new compact EV. Driven by a single front motor with 201bhp, it comes with a choice of two batteries: 58.3kWh on the Standard and 81.4kWh for the Long Range model. It sounds compelling – the longer-range version is capable of 375 miles and costs £35,995, more range and less outlay than any rival – but is it the game-changer it's cracked up to be?

#### What Car?

This “brilliant” small SUV offers a comfortable, quiet ride. It’s not exactly agile, but the Standard version can do 0-62mph in around 7.5 seconds and run for 270 miles on a charge. With fairly soft suspension, the EV3 is “wonderfully smooth” on motorways and “plush” to drive in town. There’s a bit of body lean through corners, but refinement is impressive and the brakes are smooth and predictable.

#### The Sunday Times

With its futuristic looks, the EV3 stands out. The cabin is spacious, with plenty of storage. The dash has two 12.3in screens: an infotainment touchscreen with ChatGPT voice control and a digital driver’s display, as well as “a welcome number of physical switches” below. Standard kit is generous, with heated front seats and steering wheel, plus, like so many modern cars, a host of “nannying safety alerts”.



