



## Introduction

Our electric vehicle (EV) strategy assesses current uptake, forecasts demand for EV charging and shows how this can be delivered.

Most EV drivers (the early adopters) currently charge at home, off-street or via a private charge point. However, this is expected to change in the coming years.

**There will be greater demand for residential on-street and hub charging as more households without access to off-street parking purchase or lease EVs.**

We have a key role to play in ensuring these drivers have convenient and affordable access to charging infrastructure.

Comprehensive public charging network coverage is also needed to increase the confidence of other residents and businesses to switch to EVs. This will help with achieving the council's carbon neutrality targets.

**We are a partner in the West of England's public sector-led Revive Network, and have ambitions to further expand this network across North Somerset.**

## Current EV uptake & charge point provision

EV uptake in North Somerset is rising quickly. **As of 2022 Q3, 2,800 electric vehicles were registered in North Somerset**, out of a total of 151,355 registered vehicles in the area, equating to 1.85% of all vehicles in North Somerset.

There are currently 92 publicly available charge points, most of which are 'slow' (up to 7 kW). There are 30 rapid and ultra-rapid charge points (above 50 kW). Some of these are part of the Revive Network and located in council car parks, while others have been deployed on private land by the private sector.

## Forecast of EV uptake and charge point requirements

It is expected that EV uptake in North Somerset will rise to 7.7% of all vehicles in 2025, and 30.1% in 2030. **By 2030, this equates to around 37,509 EVs within North Somerset.**

To meet this demand, it is forecast that 1,619 fast (up to 22 kW) and 370 rapid publicly accessible charge points will be required by 2030 across North Somerset, in a mid-range scenario. These forecasts account for North Somerset's rural nature, socio-demographics and electricity grid constraints, among other factors.

The private sector is anticipated to provide a significant proportion of these publicly accessible charge points. However, we will need to intervene to fill gaps in the EV

Year	Charge point type	Mid-range EVCP provision
2022	Fast	51
	Rapid	0
2025	Fast	173
	Rapid	10
2030	Fast	613
	Rapid	30

Figure 1 Forecast public sector funded EV charge point requirements



