

OZEV Update: Barriers to rolling out public charging infrastructure

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Infrastructure



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Hydrogen



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Communications



Consumer Experience



Incentives



Innovation & Industry

What is our vision for 2030?



2024 → **2030**

c. 55,301 total public chargepoints **c. 300,000 total public chargepoints**



Market-led rollout for the majority of chargepoints, backed by competition.



Infrastructure seamlessly integrated into a smart energy system.



Continued innovation to meet drivers' needs.



Everyone can find and access reliable public chargepoints wherever they live.



Effortless on and off-street charging for private and commercial drivers.



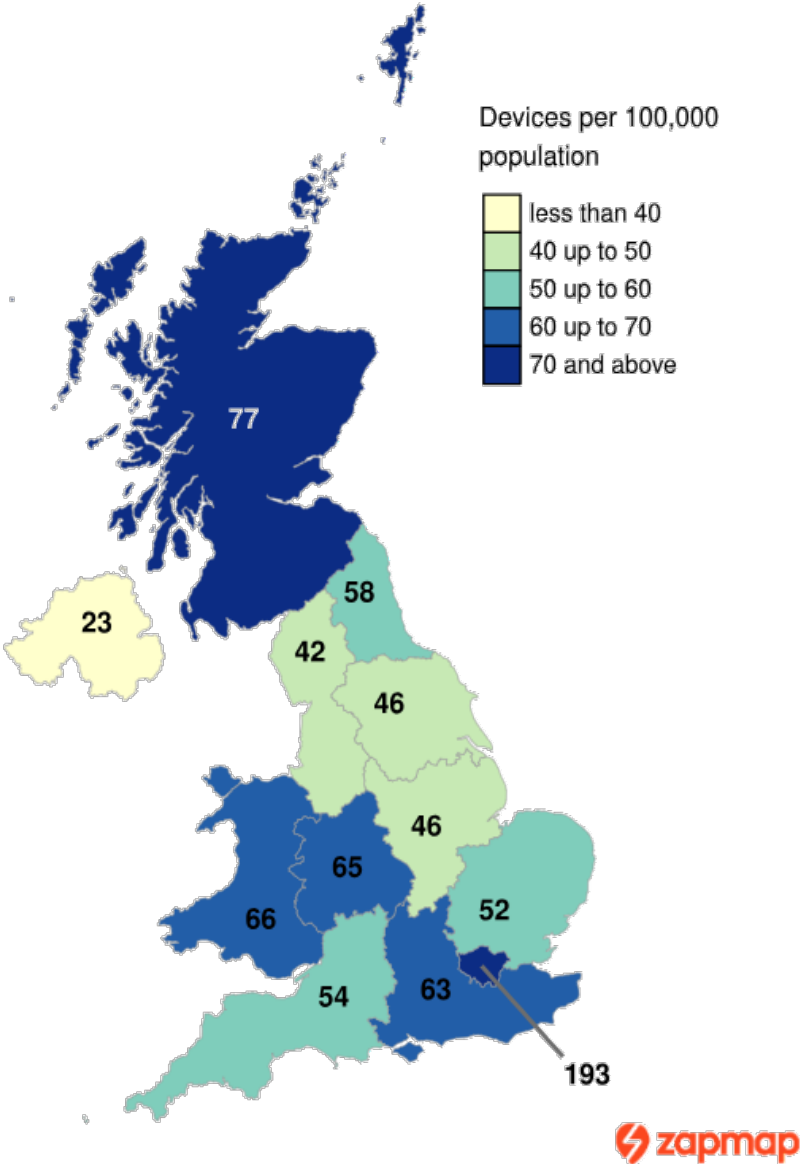
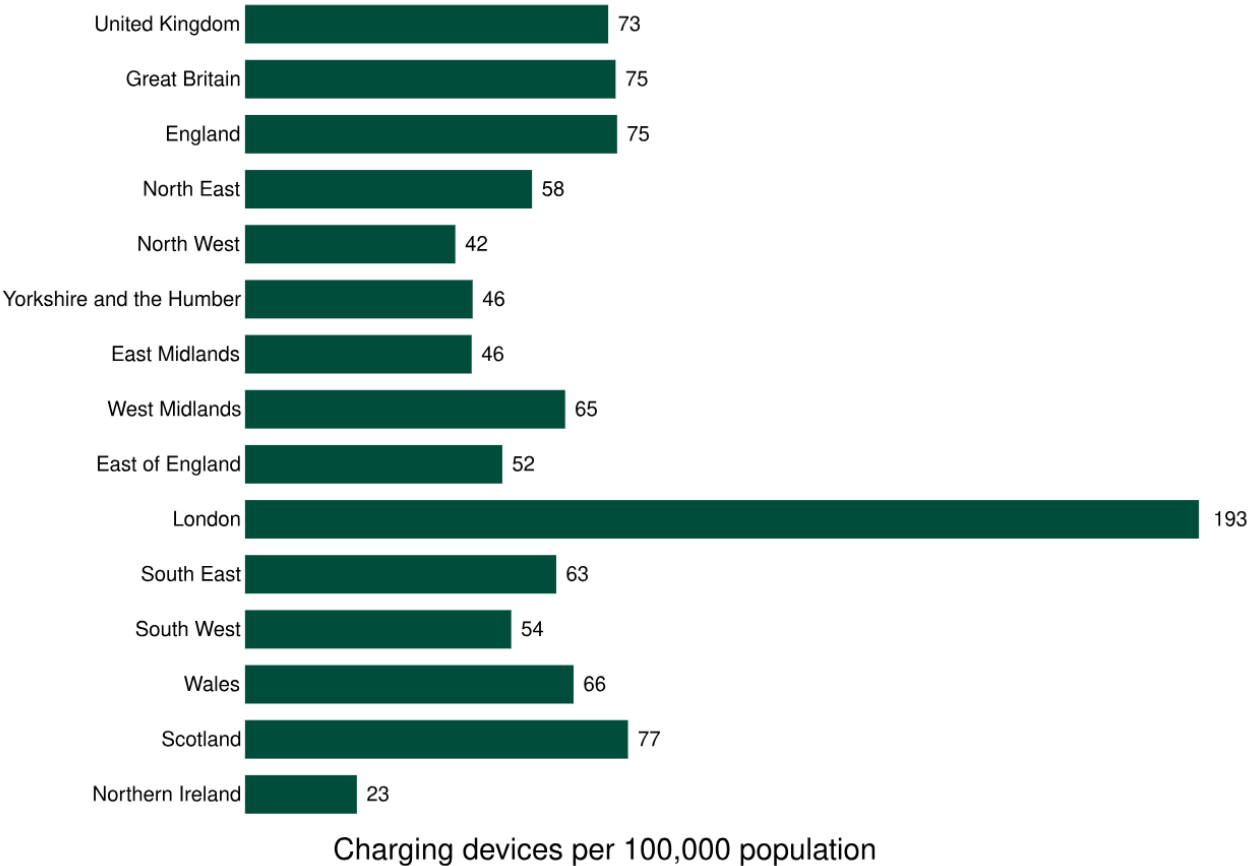
A reliable network of high powered chargepoints along major roads.



Fairly priced and inclusively designed public charging, trusted by consumers.

How is the charging infrastructure market in 2024?

The deployment of charging infrastructure is accelerating right across the UK.



Project Rapid and the Rapid Charging Fund

Radically improving charging on longer journeys is a pre-requisite for acceptance of the ZEV mandate, which is the single biggest carbon saving measure in the government's Net Zero strategy for 2050



Project Rapid is the DfT's programme of work to address one of the key challenges of the transition to zero emission road transport – the need for fast and reliable en-route electric vehicle charging. Project Rapid has three core elements:

➡ A. The early interventions programme, focused on the private sector in ensuring there are enough chargepoints at every motorway service area

➡ B. The Rapid Charging Fund (RCF) which will future-proof electricity network connections at strategic locations so that chargepoint numbers can expand as needed over time

➡ C. Ensuring electricity capacity is not a constraint on the rollout of a comprehensive long distance rapid charging network

Pilot and consultation

A £70m pilot for the RCF opened for applications from motorway service area operators in England, alongside a public consultation on the main fund, on the 6 December 2023. Learning from the pilot and results from the consultation will be used to inform the main fund

The Local Electric Vehicle Infrastructure Fund



Capital funding allocated across England to deliver local, primarily low powered charging infrastructure

~30%

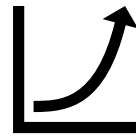
Of residents without off-street parking are the primary focus of the LEVI Fund



The fundamental aims and requirements of the scheme are:



To primarily fund **low-powered, on-street chargepoints**



To deliver **scale** in local chargepoint roll-out, including through a portfolio approach

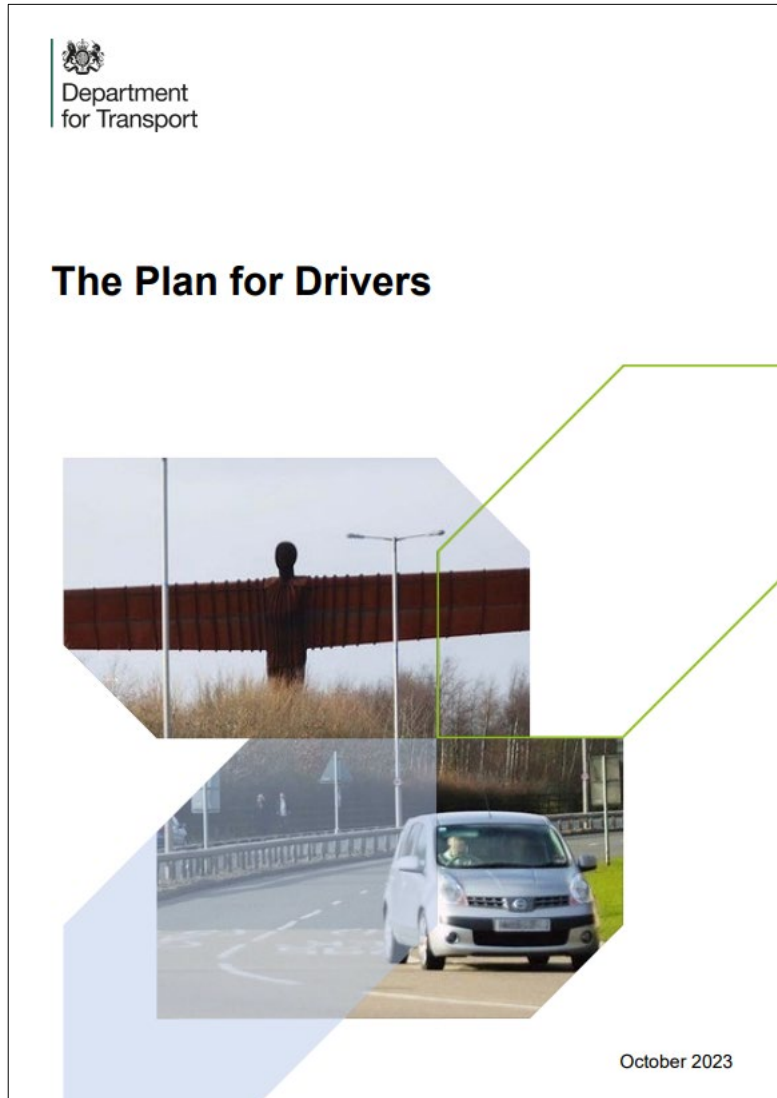


To **test the market**, maximise private investment and leverage the public funding



To encourage **collaborative** projects between multiple local authorities

Accelerating delivery by removing barriers to deployment



Government's Plan for Drivers: outlines 30 new steps Government will take to help drivers, across 5 areas including *'Helping the transition to zero emission driving'* and commits to:

- **Work with DNOs** to review the grid connection process to **accelerate chargepoint delivery**
- Consult on CPO ability to install chargepoint infrastructure on public highways using permits, instead of street works licences
- Consult on the **expansion of permitted development rights** to make private chargepoint installation cheaper and easier
- **Provide guidance on the use of safe cross-pavement solutions, best practice to LAs on relevant legislation, permissions, and how to consider applications**
- Expand the EV chargepoint grants to trial cross-pavement solutions and increase support for schools

Status update?



What work has already been delivered already?

- Opened a consultation on [Permitted Development Rights](#)
- Produced [best practice guidance](#) on issuing Section 50
- Opened a consultation on [Street works access for electric vehicle chargepoint operators](#)
- Set up and opened our [Schools Grant expanding the Workplace Charging scheme](#) so infrastructure can be installed in schools.

Status update 2



- We will **produce a Grid Connections Review** in the Spring after conducting a series of workshops with DNOs and CPOs to improve the process of installing EV chargepoints for all.
- **Provide guidance on the use of safe cross-pavement solutions**, best practice to LAs on relevant legislation, permissions, and how to consider applications
- **Publish the IET guidance** on installing EV chargepoints for local authority officers.