

UK approach to electrification



Office for
Zero Emission
Vehicles



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Infrastructure



Energy



Hydrogen



Local



Department
for Transport



Office for
Zero Emission
Vehicles



Department for
Business, Energy
& Industrial Strategy



Communications



Consumer Experience



Incentives



Innovation & Industry

Ten Point Plan for a Green Industrial Revolution key commitments

2030



The end of the sale of all new petrol and diesel cars and vans

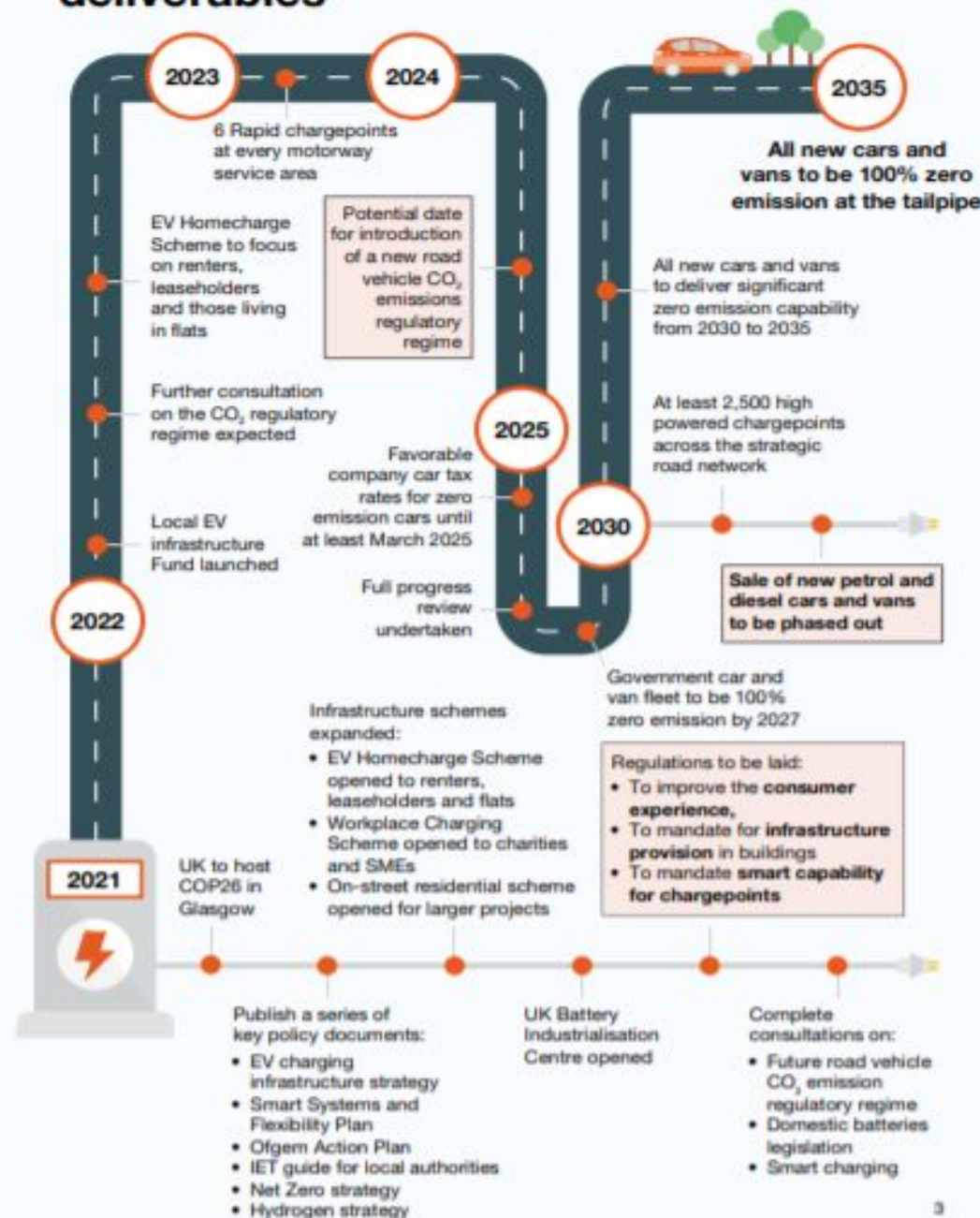
2035



All new cars and vans must be fully zero emission at the tailpipe

Long
term
targets

Road to 2035: Timeline of key deliverables

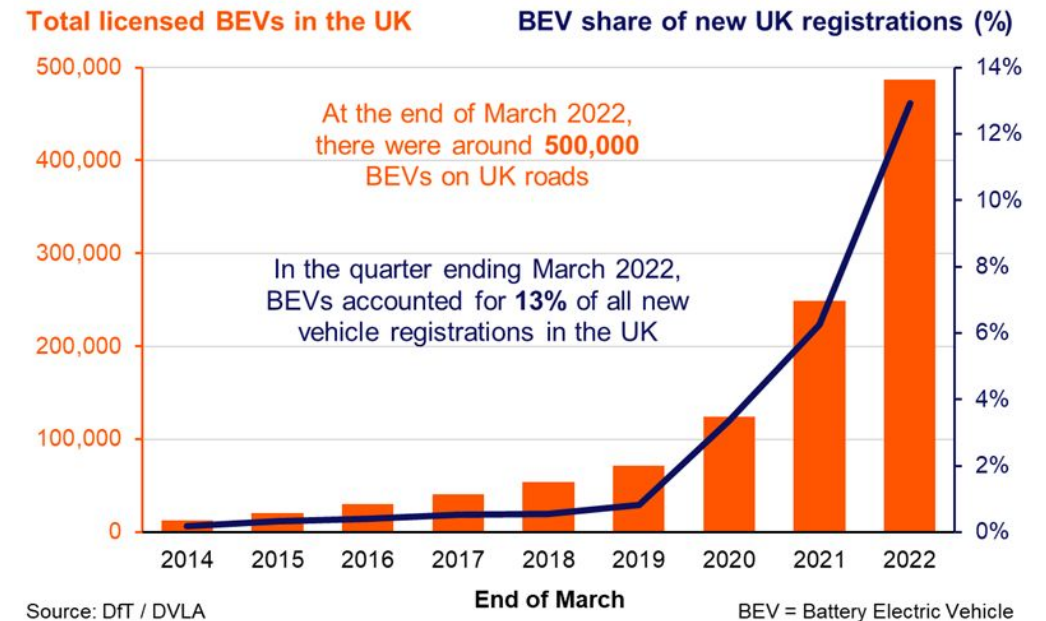


Vehicle incentives

Total of 1 million plug-in vehicles have been registered in the UK. So far in 2022 **14.5% cars and 5.3% vans** sold were battery electric.

Support for fleets

- To date **£1.6 billion of grants** have support purchase of plug-in vehicles.
- Plug-in Vehicle Grant remains open for taxis, motorcycles, vans, trucks and wheelchair accessible vehicles.
- All zero emission cars exempt from Vehicle Excise Duty.
- Nil tax on Van Benefit Charge for zero emission vans.
- Favourable benefit in kind tax rates for zero emission vehicle.



Infrastructure Strategy



Taking charge: the electric vehicle infrastructure strategy



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.



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.

How much infrastructure do we have today?



On average, over **600** new public chargepoints are added to the UK's roads **each month**.

Over **34,600** publicly available charging devices, including more than **6,300** rapid devices.

Government funding has supported the installation of over **400,000** chargepoints in homes and businesses.

A driver is never more than **25 miles** away from a rapid charger anywhere along England's motorways and major A roads.

More than **12,400** chargepoints funded through our On-Street Residential Chargepoint Scheme.

Grants to support the provision of infrastructure

EV Chargepoint grants



- Available for Commercial and Residential landlords and SME's (and some EV drivers)
- The grants provide funding towards the cost of installing EV chargepoints and infrastructure

Workplace Charging Scheme (WCS)



- Open to businesses, charities and the public sector.
- Helps to cover up to 75% of the total cost of the purchase and installation of EV chargepoints.

On-street Residential Chargepoint Scheme (ORCS)



- ORCS provides grant funding for local authorities towards the cost of installing on-street residential chargepoints

Rapid Charging

Our targets:

- **By 2023:** to have at least six ultra-rapid, open-access chargepoints at motorway service areas in England
- **By 2030:** we expect around 2,500 ultra-rapid, open-access chargepoints across England's motorways and major A roads
- **By 2035:** we expect around 6,000 ultra-rapid, open-access chargepoints across England's motorways and major A roads

The Rapid Charging Fund is a **£950 million** Government investment, to future-proof electrical capacity at motorway and major A road service areas, preparing the network for a fully electric car and van fleet.



Improving Chargepoints for Consumers



PAS 1899:2022

Electric vehicles –
Accessible charging – Specification



Regulatory and other interventions

- Private chargepoints sold in **Great Britain** must be **smart** and meet minimum device-level requirements
- We will improve the **consumer experience** of chargepoints – reliability, payment mechanism, open data (**UK**)
- All new buildings (England) with associated parking are to have at least one chargepoint per dwelling
- Green number plates – making EV's obvious!
- Permitting electric goods vans up to 4.25 tonnes to be driven on a standard car driving license
- 100% of the costs of installing an electric vehicle charging point may be claimed as a capital allowance





THANK YOU