



Office for
Zero Emission
Vehicles

National and local action to support the transition to zero emission vehicles



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Infrastructure



Energy



Hydrogen



Local



Communications



Consumer Experience



Incentives



Innovation & Industry



Long term targets

Following consultation, the Prime Minister announced that:

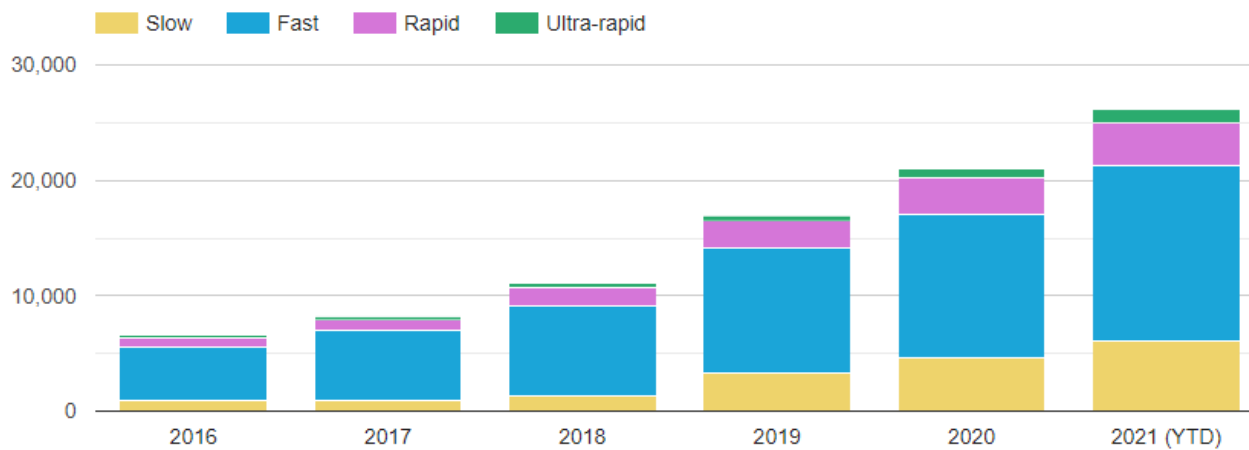
- **The phase out date for new petrol and diesel cars and vans will be 2030.**
- From 2035, all new cars and vans must be fully zero emissions at the tailpipe.

These decisions apply to **new** cars and vans.

By 2050, we want almost all cars and vans on our road to be zero emission.

Current picture

Number of public charging points by speed (2016-to date)



Total devices: 26175, Updated: 11 October 2021

September 2021:

- 21.8% of new cars registered had a plug (BEV and PHEV) (BEVs 15.2%)

2020

- 15% of cars registered in 2020 had a plug

2019

compared to 3.1% in 2019

(source: SMMT)



Vehicle uptake

- **£582 million** in grants for those buying new zero and ultra-low emission vehicles.
 - Grants for cars, vans, trucks, taxis, motorbikes, buses
 - Zero road tax
 - Company car tax benefit
- **Non-financial measures include**
 - Consumer awareness campaign
 - Green numberplates
 - Skills and standard measures for dealerships and vehicle technicians





Infrastructure

- £950m for **future proofing grid capacity along motorways and key A roads** to prepare for 100% uptake of zero emission cars and vans ahead of need.
- £275 million for charge point installation at **homes, workplaces and on-street** locations
- £90 million to fund **local EV charging infrastructure** to support the roll out of larger on-street charging schemes and rapid hubs in England

Infrastructure

- Building regulations to require **all new homes to have an EV chargepoint** as well as non-residential properties with more than 10 parking spaces.
- All home chargepoints to be **smart**.
- Improving the **consumer experience** of chargepoints – reliability, payment mechanism, open data.



Local authorities are crucial to making the transition to electric vehicles a success

- We know **~30-40% of UK residents** do not have off-street parking, and will need a **reliable, affordable public charging infrastructure**. **90% of EV drivers** report needing to use the public charging network.
- **Local authorities have a critical role in ensuring holistic strategies are in place** for chargepoint rollout.
- This will involve **assessing the level of need**, and **establishing a relationship with the chargepoint industry** to deliver charging infrastructure.
- We're seeing increasing amounts of **co-operation between local authorities and private industry to scale-up** and speed up chargepoint delivery, with more private funding being invested.



Government and EST have a package of support available for LAs, with *more to come*

Strategy

- **2030/35 Delivery Plan**
 - Published July 2021
 - Sets out milestones towards the 2030/35 phase out of petrol and diesel vehicles
- The **Transport Decarbonisation Plan**
 - Published July 2021
 - Commitment for an 'LA Toolkit'
- **EV Infrastructure Strategy**
 - *To be published later this year*
 - *Will set out Government's vision for infrastructure rollout*



Funding

- The **On-Street Residential Chargepoint Scheme (ORCS)**
 - Funding towards chargepoints for residents without off-street parking
 - £20m available this FY
- The **Workplace Charging Scheme (WCS)**
 - Funding towards chargepoints at places of work
- The **Local EV Infrastructure Fund**
 - £90m to fund local EV charging infrastructure to support the roll out of larger on-street charging schemes across England
 - *Launching in 2022*



Support, advice and guidance

- **Energy Saving Trust**
 - Support on ORCS applications
 - Local Government Support Programme – free advice to LAs
 - LA EV Forums
 - Library of webinars and guidance
- **OZEV/Institution of Engineering EV Infrastructure Guidance for LAs**
 - *A comprehensive guide to installing EV infrastructure*
 - *To be published early 2022*



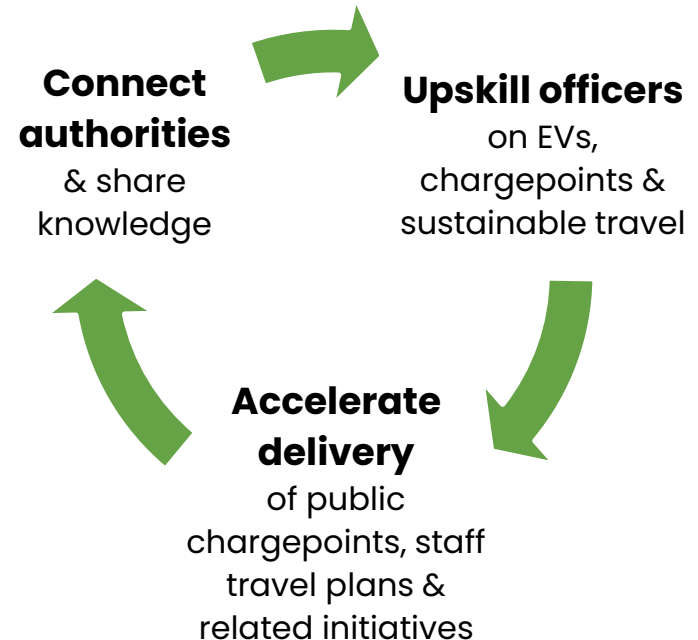
Upcoming: National EV Charging Infrastructure Strategy

- We are committed to publishing an EV Infrastructure Strategy in 2021, as set out in the National Infrastructure Strategy (25th November 2020).
- The anticipated aims of the strategy are:
 1. **Set out our vision for EV infrastructure** with respect to meeting consumer needs, equity, and integrated planning with wider electricity system objectives, and recognise where the biggest gaps are to achieving this vision.
 2. **Set expectations for the roles and responsibilities** for national and local government, and industry stakeholders in addressing market failures, delivering sufficient infrastructure provision, and delivering on equity and consumer experience.
 3. **Provide clarity on the advantages of different mixes of charging types** for delivering the vision. We expect this to inform the development of the £90m Local Infrastructure Fund.

Energy Saving Trust: Local Government Support Programme

Is here to help you deliver your council's ambitions on decarbonising transport and cleaner air.

- Fully funded by the Department for Transport
- Support is free and impartial
- Open to all English councils
- 3 Regional Accounts Managers
- Specialise in EVs and sustainable staff travel
- Projects with 50+ authorities
- Delivering a public chargepoint network
 - EV strategy workshops
 - Chargepoint strategy review
 - Site selection support
 - Utilisation assessment
 - Procurement support
- Further EV action
 - Taxi and PHV support
 - 'Go electric' staff events
 - Business and community engagement
- Wider sustainable travel



Contact the team via our online enquiry form:

<https://energysavingtrust.org.uk/service/local-government-support-programme/>



Thank you

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