



UK Government - the Road to Zero

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management by measurement



Office for Low Emission
Vehicles

The Road to Zero Emissions Transport

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LCV2019 - Millbrook
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Overview

01 UK Government aims

02 Road to Zero – long term ambition

03 Measures to get there and next steps

- Uptake of ultra low emission vehicles
- Charging infrastructure
- Innovation and supply chain
- International, devolved and local delivery



Our mission

**“ To put the UK at the forefront of the design and manufacturing of zero emission vehicles...
...and for all new cars and vans to be effectively zero emission by 2040 ”**

May 2018

Drivers for change Environment



**Improving air
quality**



**Reducing greenhouse
gas emissions**



**Cleaner, quieter
cities**



Drivers for change Opportunity

-  **Delivering our industrial strategy**
-  **Lowering costs for consumers and businesses**
-  **Improving energy security**



**INDUSTRIAL
STRATEGY**



The Road to Zero

Next steps towards cleaner road transport and delivering our Industrial Strategy



- UK Government's July 2018 strategy
- £1.5bn funding over 2015-2021
- 46 commitments



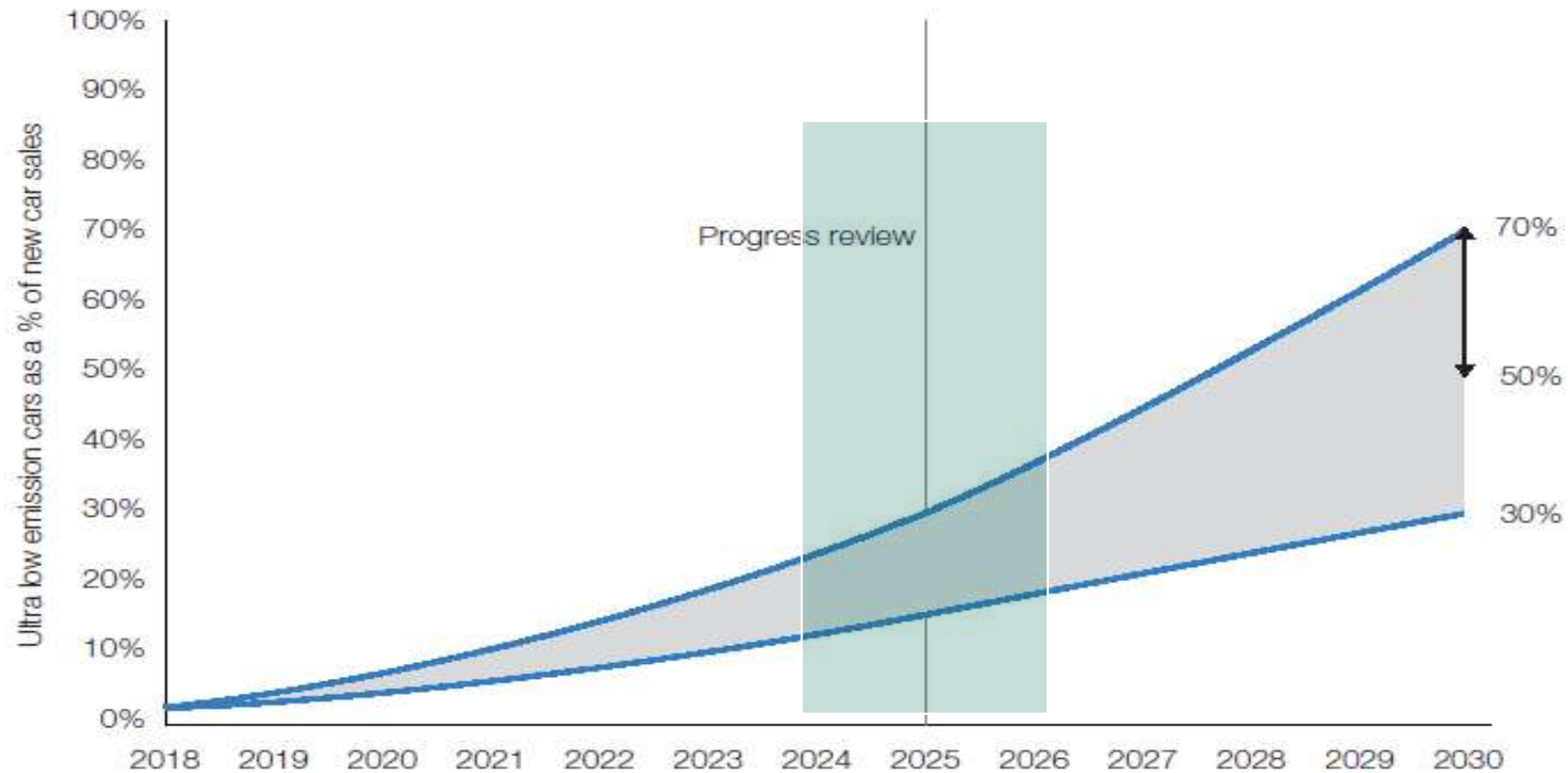
**2040
target**

“We will end the sale of new conventional petrol and diesel cars and vans by 2040”

“The majority (50%+) of new cars and vans to be 100% zero emission”

“All new cars and vans to have significant zero emission capability”

We have set out a timetable to 2030



2030

50-70% new car sales ultra-low emission

Up to 40% for vans

Progress on vehicles and infrastructure

2.6% market share – cars in 2018

~0.5% market share vans

Over 2,000 ULEV taxis on UK streets

Over 20,000 public chargepoints, of which 2000 rapids

Over 100,000 domestic chargepoints

Supporting 39 councils to install on-street charging



1. Supporting one of the best infrastructure networks in the world

● Smart requirement

● Project Rapid

● User experience

● In all new homes

● Charging infrastructure investment fund (CIIF)

● Credit/debit card payments

Project Rapid

AIMS

- To set a vision for rapid charging to **help direct and catalyse investment** to build out the infrastructure required...
- ... to **give consumers the confidence to use electric vehicles** for longer journeys

SCOPE

- **Rapid and high-powered** chargepoints (50 kW+)
- Chargepoints + associated electrical capacity
- Public locations **along key roads in England**
- Demand from **cars and vans**

Current provision

What will demand be in the future?

Investment pipeline

Current market barriers

Role for government



2. Increasing uptake of ULEVs



Plug-in Vehicle Grants



www.goultralow.com



Fleet initiatives



Tax measures



Green number plates



Dealerships



3. Innovation, Industrial Capability and Skills



Power electronics and motors £80m



Vehicle to Grid £30m



EV technicians



Wireless and on-street £40m



£274m Faraday Battery Challenge



Hydrogen



4. Local and international leadership



43 countries sign up to Katowice partnership on e-mobility (COP 24)



£20m for 27 local authorities, for taxi and PHV chargepoints



£48m awarded for ultra low emission buses



£40m for eight UK 'Go Ultra Low' Cities

Thank you

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