



Office for Low Emission
Vehicles

The Road to Zero Emissions Transport

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APSE - Transport Advisory Group
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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”**

Prime Minister, 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

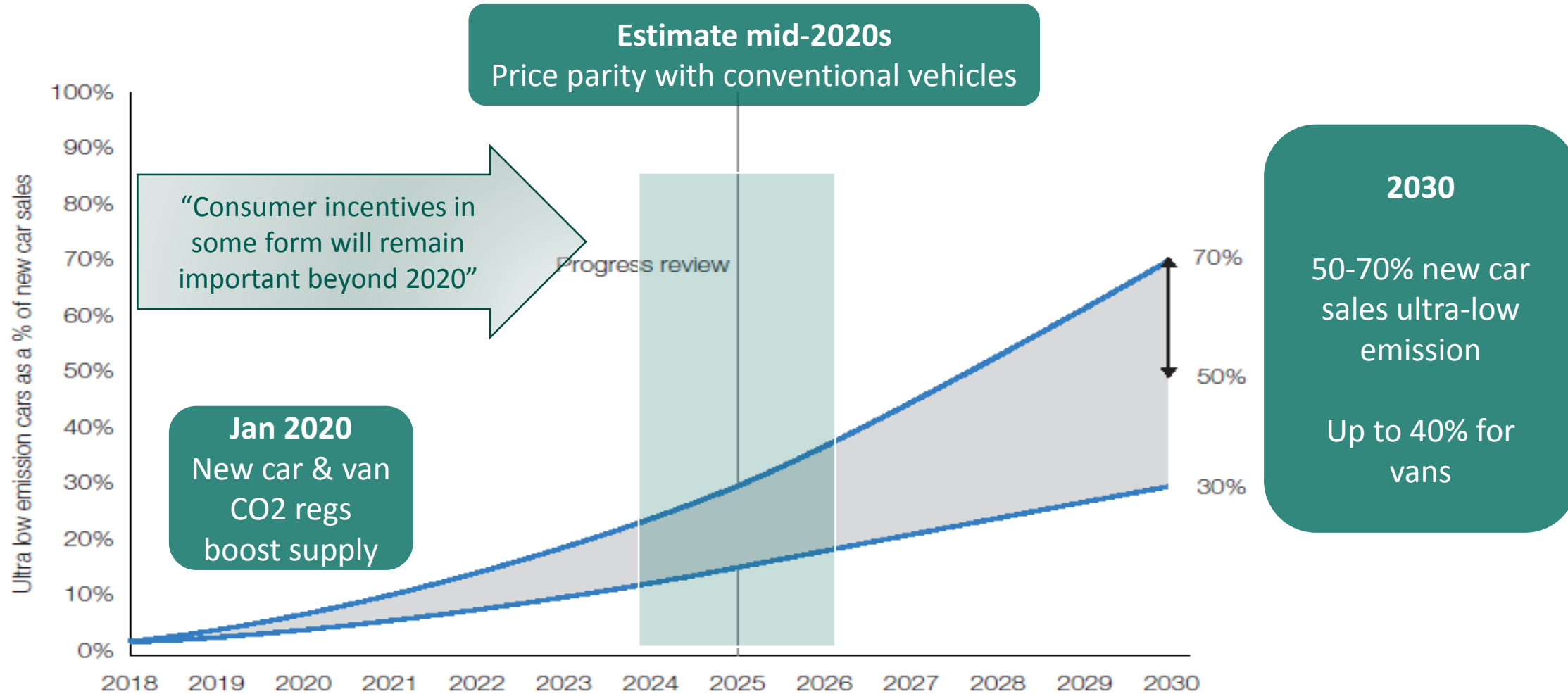


July 2018

Government's July 2018 strategy sets out our long-term ambitions and measures to get there

£1.5bn funding over 2015-2021

We have set out a timetable to 2030



Areas for action



Reduce emissions from vehicles already on our roads



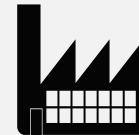
Driving uptake of the cleanest new vehicles



Reduce emissions from HGVs and road freight



One of the best electric vehicle infrastructure networks



UK at the forefront of design and manufacture



Supporting international, devolved and local action



Supporting one of the best infrastructure networks in the world

- Market-led
- Motorways Service Areas
- EV Energy Taskforce
- New homes to have a chargepoint
- 'Right to Charge'
- Grant schemes

Targeted support for infrastructure

Electric Vehicle Homecharge Scheme (EVHS)

£ 500 towards a home chargepoint

On-street Residential (OSR)

£ 7,500 per chargepoint for Local Authorities

Workplace Charging Scheme (WCS)

£ 500 per workplace socket

Highways England

£ 15m Rapid chargepoint every 20 miles on the English SRN

Cities and local areas

£ 60m Funding for eight pathfinder cities in UK; and taxi chargepoints



Chargepoint Infrastructure Investment Fund

£400m

£200m GOVERNMENT
£200m PRIVATE INVESTORS

To accelerate the roll-out of charging infrastructure by providing **access to finance** to companies that deliver chargepoints



Infrastructure
and Projects
Authority





EU Alternative Fuels Infrastructure Directive

recently transposed into UK law

Automated and Electric Vehicles Act

- Access & Connection
- Information
- Reliability
- Fuel retailers/MSAs
- Smart capability

Changing the regulatory framework





Increasing uptake of ULEVs

- EU new car CO₂ regs
- Plug-in Car Grant
- Dealerships
- Green numberplates
- Tax system
- Government fleets



Reducing emissions from light commercial vehicles



New van CO₂ regulation



Plug-in Grants



Driving licence 4.25 tonnes



Clean van commitment



Tax system



E-cargo bikes



Reducing emissions from HGVs



15% less GHG by 2025



Explore alternative low carbon fuels



Plug-in Grants



Tax system



Zero emission HGVs research



OLEV R&D £££



Electric taxis



Manufactured in UK



Plug-in Taxi Grant



Local incentives



£20m for dedicated chargepoints



Tax system



Ultra low emission buses



c.£250 million for new low emission buses and retrofiting



Alexander Dennis, WrightBus, Optare – UK expertise in electric and hydrogen



Local incentives and regulations



Innovation and Industrial Capability

- Faraday Battery Challenge - £246m R&D
- IDP15 – R&D for power electronics and motors
- £40m wireless and on-street R&D
- Skills development
- Supply chain capability
- Sustainable supply chains

“With a proud history in pioneering vehicle manufacturing, Birmingham is exactly the right location to showcase the innovations of the future.”

Transport Secretary Chris Grayling, July 2018

the icc
birmingham



**Zero Emissions
Vehicle Summit**
Driving the change

- **Birmingham Declaration - 14 countries**
- **£106m R&D funding**
- **Lex Autolease BEV fund**
- **Warwick Univ Degree Apprenticeship Centre**
- **Plans to consult on green number plates**
- **£2m for e-cargo bikes for last mile deliveries**
- **Clean Van Commitment**

THANK YOU

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