



Office for
Low Emission
Vehicles

The Office for Low Emission Vehicles (OLEV) and the wider context for ULEVs: Steve Ives



The Office for Low Emission Vehicles



Greg Clark - BEIS



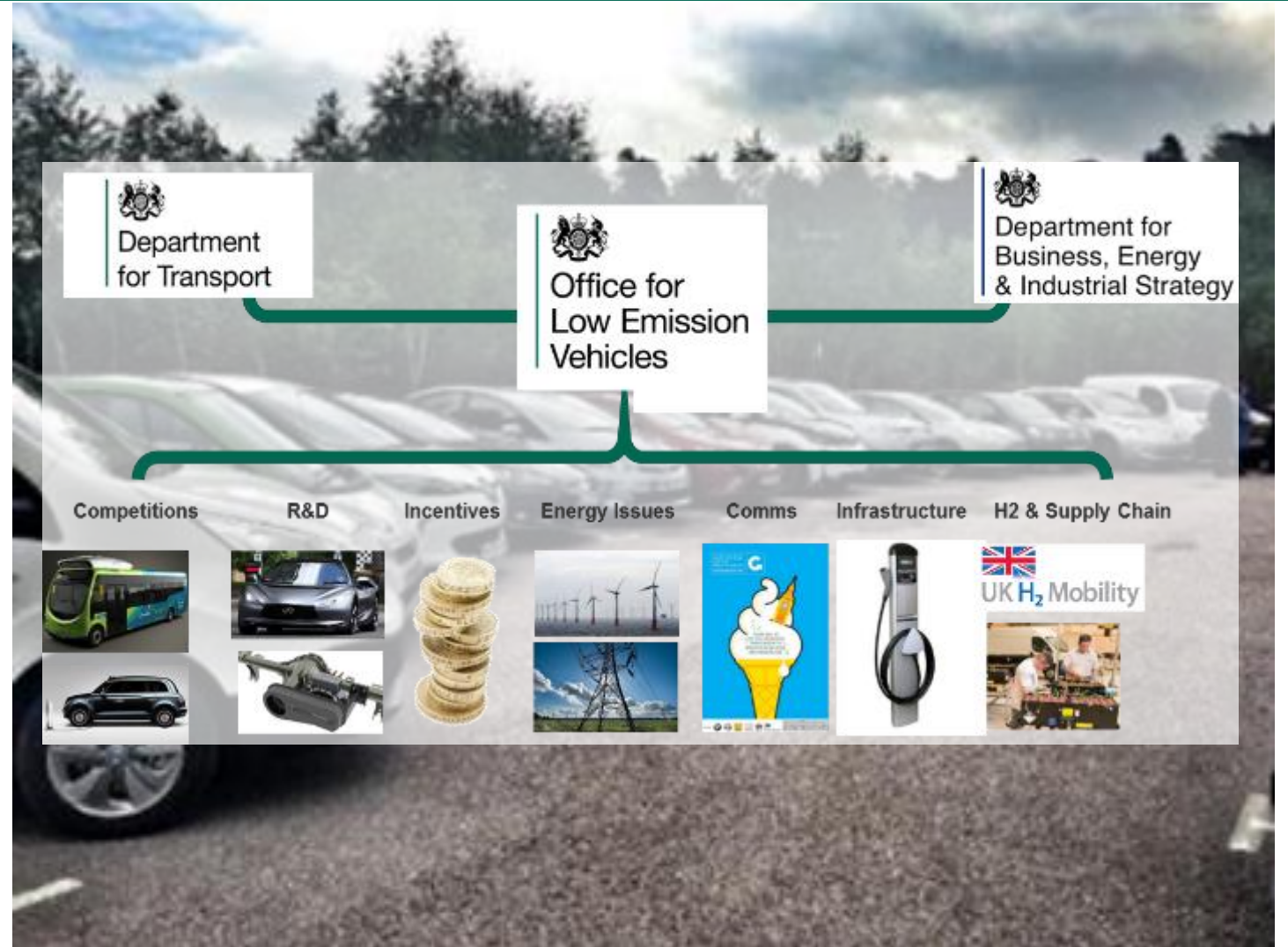
Chris Grayling - DfT



Richard
Harrington - BEIS



Jesse Norman - DfT

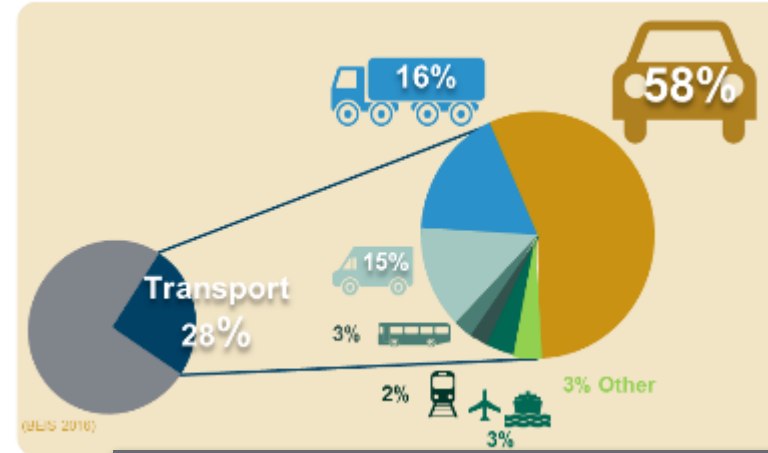




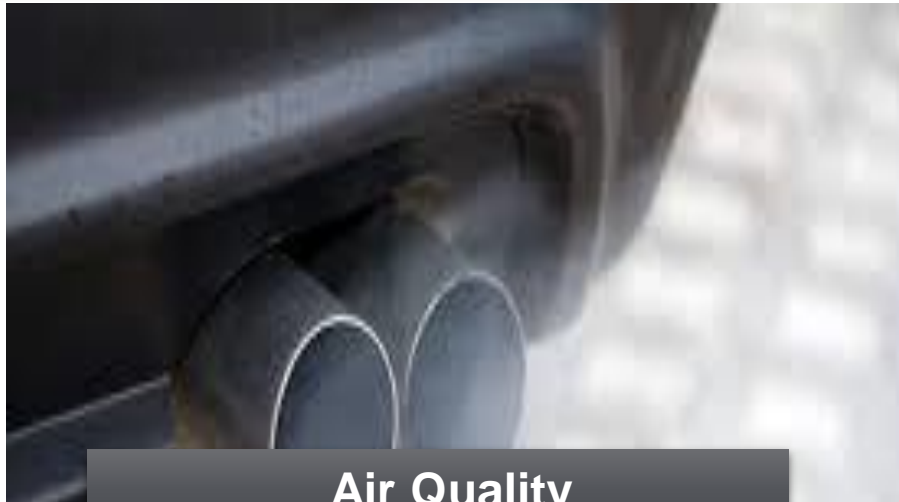
Policy drivers



Inward Investment



Carbon



Air Quality



Energy Security





Government's ambition

**End of sales of new conventional cars
and vans to end by 2040 and almost
every car and van to be zero emission by
2050**

Air Quality Plan, July 2017



Government financial support available

For businesses

For local areas

For individuals

**Electric Vehicle
Homecharge
Scheme
(EVHS)**

£500 towards a
home
chargepoint



**Plug in Car
Grant (PiCG)**

- £4,500 BEV
- £2,500 PHEV
- £8,000 Van
- £1,500 Motorcycle



**Workplace
Charging
Scheme (WCS)**

£300 per
workplace
socket



**On-Street
Residential
Scheme (ORS)**

£7,500 per
chargepoint
for LAs



**Go Ultra Low
Cities (£40m)**

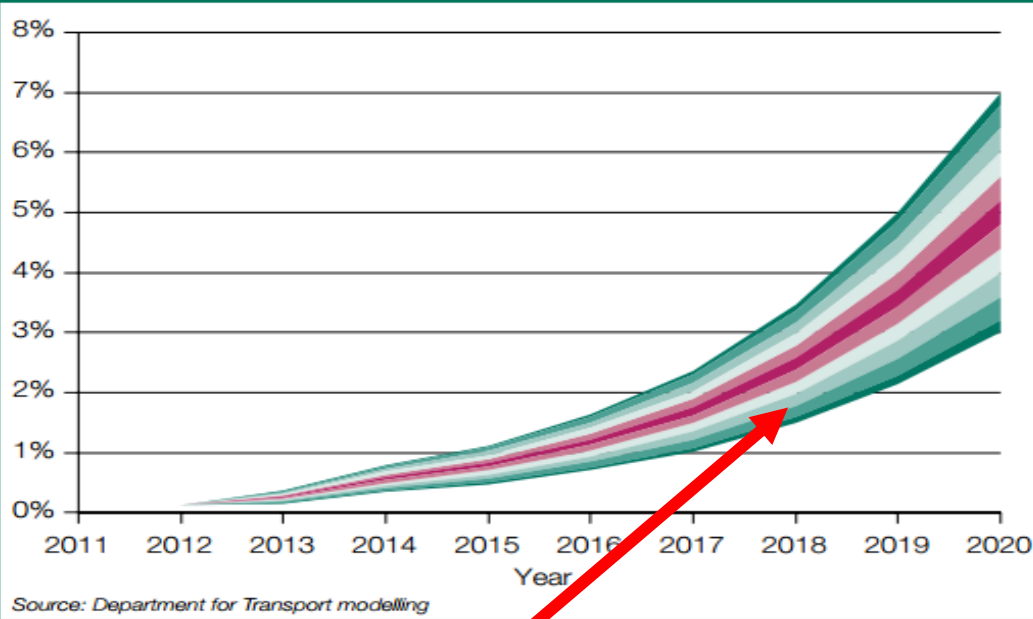
- Milton Keynes
- Bristol
- London
- Nottingham
- Dundee, Oxford, York, North East





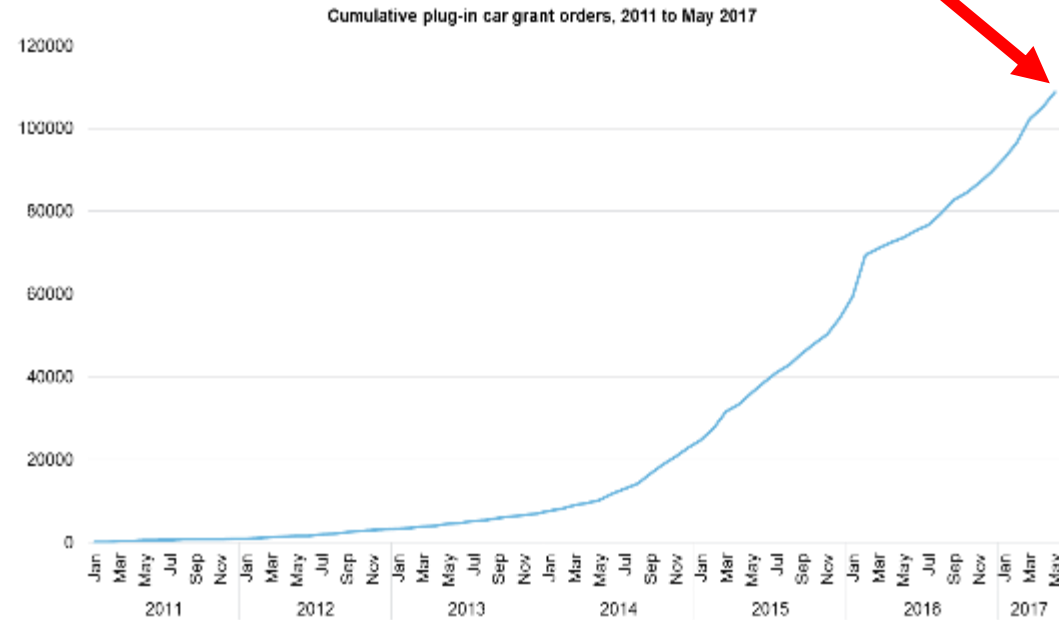
Plug in Car Grant orders

Figure 6.3 – Projected ULEV car sales as proportion of all car sales (2011-20)



Around 2% of new sales

**Over
120,000
cumulative
orders**

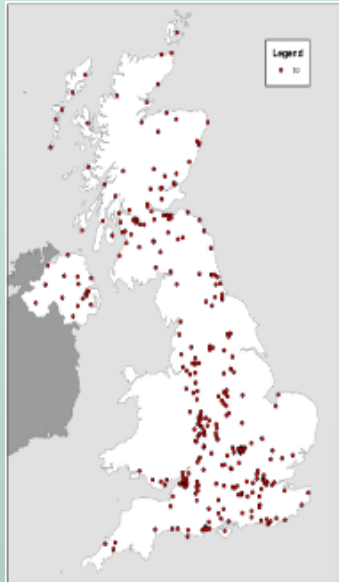




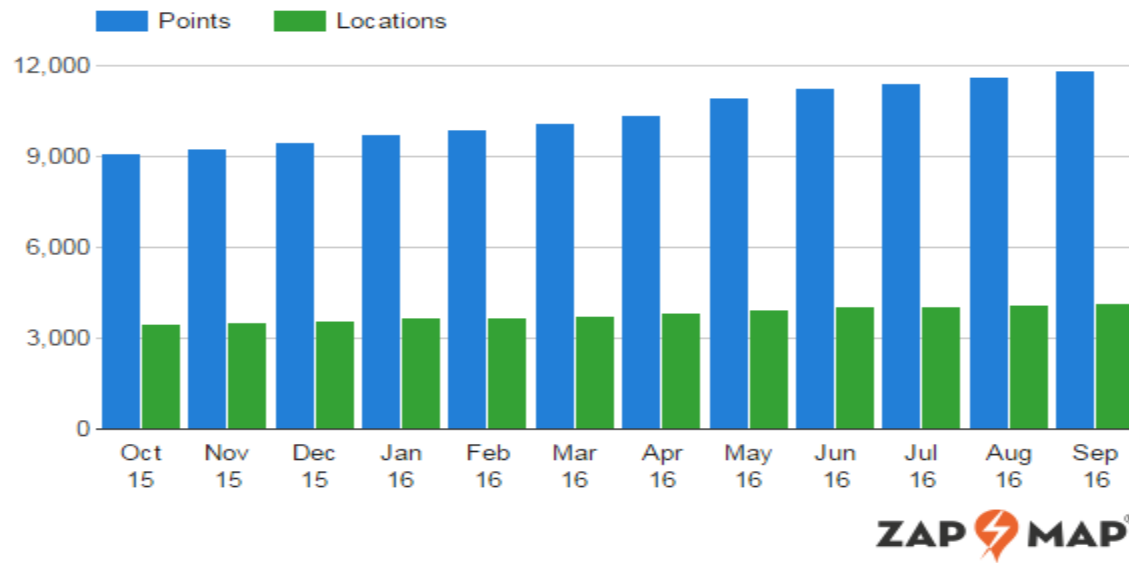
Infrastructure



900 43/50kw
chargepoints



NUMBER OF UK CHARGING LOCATIONS AND CONNECTORS OVER PAST 12 MONTHS: ZAP-MAP, SEPTEMBER 2016



Highways England: £15m

Infrastructure programme to ensure that you will never be more than 20 miles from a charging point on 95% of the Strategic Road Network.

- UK has largest rapid network in Europe. 96% of MSAs have 1 – 6 rapids
- Over 11,500 publicly available chargepoints. 3, 7 and 22kw.
- Includes 900+ rapids
- 6 major network operators, 3 UK SMEs
- 8 strong regional networks attracting increasing private investment
- 90,000 residential chargepoints installed



The Automated and Electric Vehicles Bill - Provisions

Purpose: to ensure a world-class infrastructure supports the rapid adoption and use of EVs by consumers, as more mass market models become available



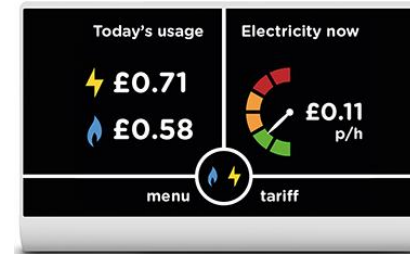
Access & Connection



Information



Fuel retailers/MSAs



Smart capability



New Autumn Budget measures bring total Government investment in electric vehicles to nearly £1.5 billion

Plug-in Car Grant - £100m to help consumers buy battery electric vehicles

£400m public-private investment fund to roll out charging infrastructure

From April 2019, electric taxis exempt from expensive car VED supplement

Building regs to mandate chargepoint cabling in all new residential buildings

Central Government fleets to electrify 25% of vehicles by 2022

From April 2018, BIK exemption for employees charging EVs at work

R&D - £40m match funding for on-street and wireless charging technologies

Govt to work with industry on universal chargepoints payment method



Go Ultra Low City Scheme

<h2>Nottingham is a Go Ultra Low City</h2> <p>ULEVs can use 13.6 miles of bus lanes in low emission corridor through city centre</p> <p>Up to 195 new public fast chargers</p> <p>ULEV Business support package including 'try before you buy' option</p>  	<h2>Milton Keynes is a Go Ultra Low City</h2> <p>Opening 15k parking bays for free to all ULEVs</p> <p>Use of all bus lanes – same priority at lights as buses</p> <p>EV Experience Centre in city centre</p>  
<h2>London is a Go Ultra Low City</h2> <p>New chargepoint delivery partnership providing single port of call</p> <p>6 'Neighbourhoods of the Future' to normalise ULEVs</p> <p>Car Club strategy to have 1m members by 2025</p>  	<h2>Bristol is a Go Ultra Low City</h2> <p>Opening 3 High Occupancy Vehicle lanes to ULEVs</p> <p>4 rapid charging hubs in key locations with up to 30 Rapids</p> <p>Proposals for a Clean Air Zone</p>  





There are strong support measures for ULEV taxis

Dedicated Infrastructure for Hackneys and PHVs

£14m for rapid and fast chargers for
hackneys and private hire vehicles

Support for purpose built ULEV Taxis

Up to £50m support up to £7,500 for
individual purpose built
ULEV taxis & PICG for PHVs

Electric Vehicle Homecharging scheme to March 2019 (or 30k new installs)

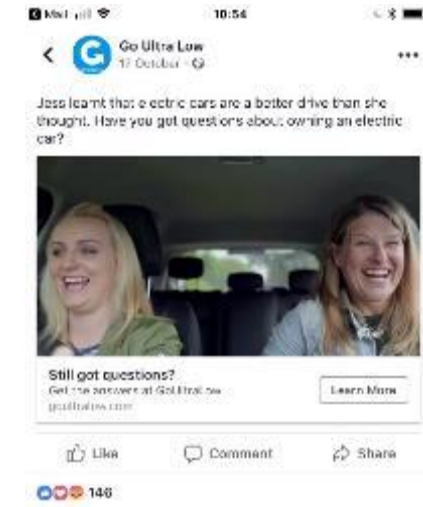
75% of the cost of installation, capped at
£500





LA On-street residential charging scheme to 2020

75% of cost of procurement and installation
capped at £7,500



Go Ultra Low Communications Campaign



 <p>Journey Cost Savings Calculator</p> <p>Discover how much you could save in 3 easy steps</p> <p>Start calculator</p>	 <p>Home Charging Tool</p> <p>Find out how easy and how little it costs to charge at home</p> <p>Start calculator</p>	 <p>Journey Range Calculator</p> <p>Find out just how far an EV or plug-in hybrid (PHEV) can travel</p> <p>Start calculator</p>	 <p>Car Tax Calculator</p> <p>Find out how much you could save by driving an EV or plug-in hybrid (PHEV)</p> <p>Start calculator</p>
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Moving Britain Ahead