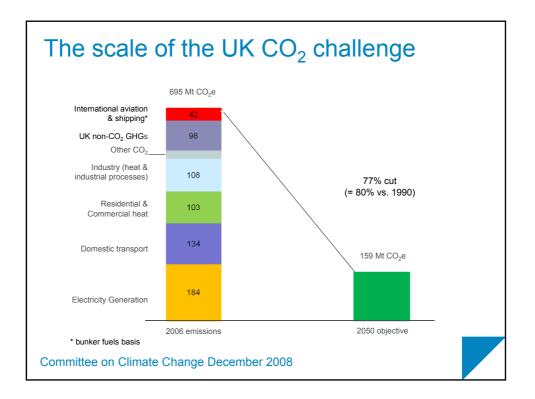
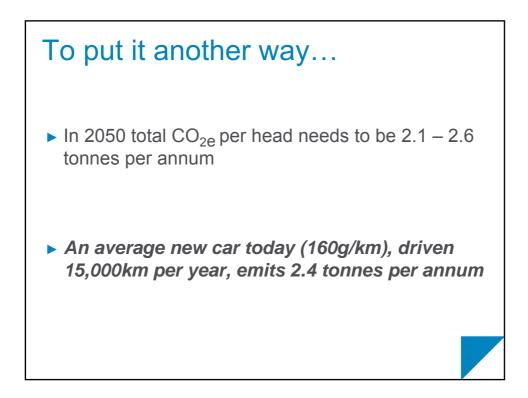


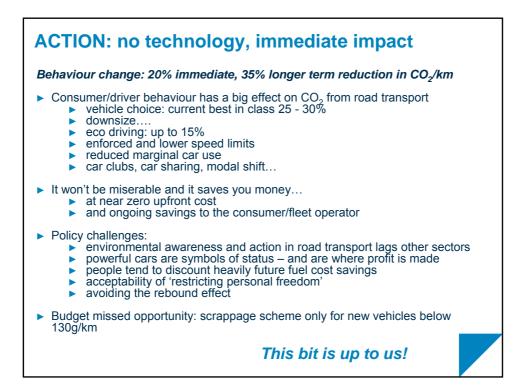
Low CO₂: urgent & radical

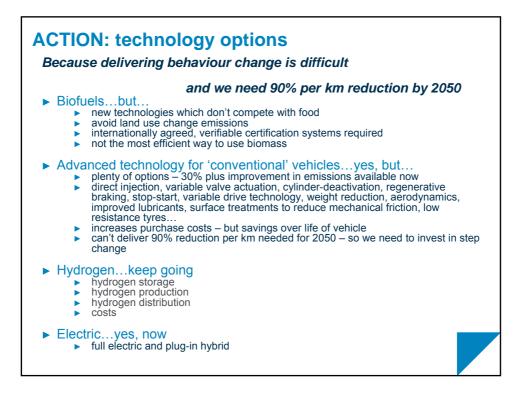
Professor Julia King CBE FREng Vice-Chancellor Aston University, Birmingham

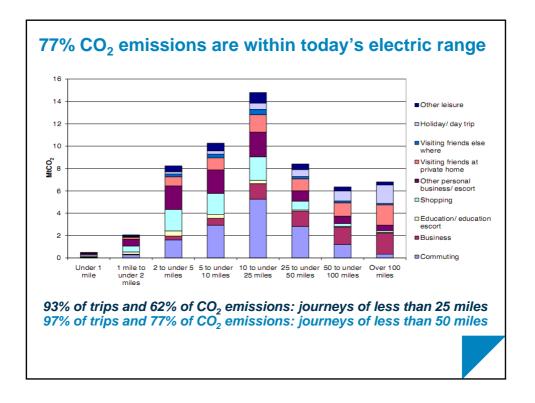


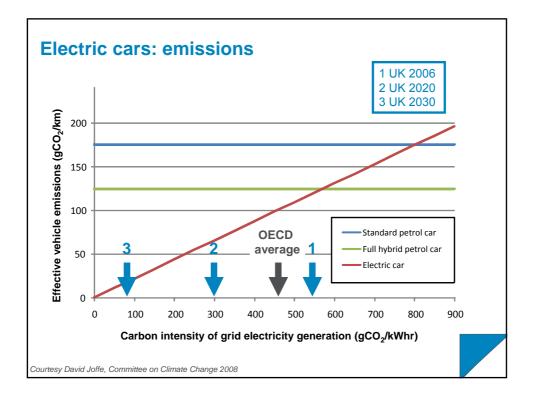










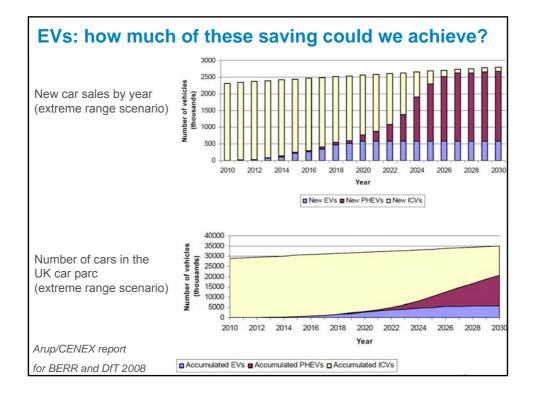


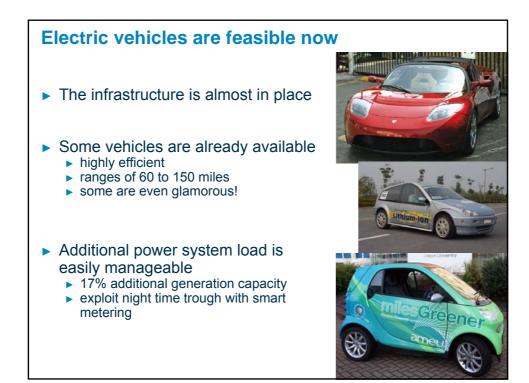


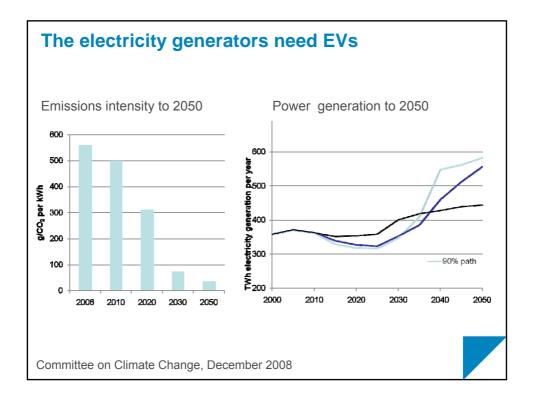
Today's battery technology and range of 60 miles

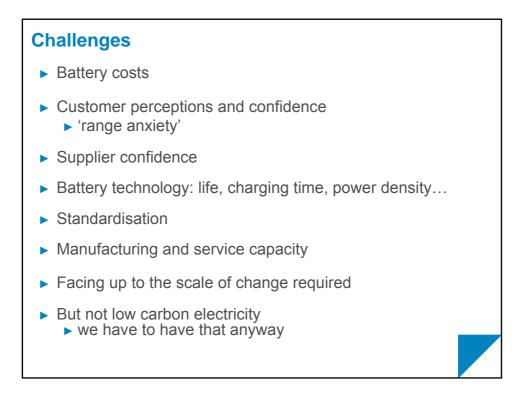
All sub 50 mile journeys on electricity would reduce emissions by 24%

By 2030 the reduction would be 70%









Addressing the challenges
 Costs Coming down fast: Valance \$3,500 Li-ion battery for mid size electric car at scale production New ownership concepts: 'pay as you go'
 New business models New partners – generators, infrastructure companies, cities
 Customer and supplier confidence Policy – VED, purchase subsidies, regulatory targets Demonstration Charging infrastructure, standards
 Government support for manufacturing investment
 Targeted short, medium and long term research Next generation batteries <i>for automotive</i> End of life, lifecycle impact
Large scale demonstrations in major cities



