



Department
for Transport



defra
Department for Environment
Food and Rural Affairs

How are electric vehicles affecting climate change in the UK?

All new cars and vans registered after 2035 will have to be 0 emissions vehicles. UK Gov is taking this major step banning the sale of carbon emitting vehicles to combat the climate crisis we are facing. Transportation is the biggest area for emissions making up 27% of UK emissions.

Electric Vehicles (EVs) are the current leader in zero emission vehicles as they eliminate emissions from engine exhaust and significantly reduce emissions from brakes. 2020 saw only 6.6% of the new-car market taken by electric vehicles. We want to explore the rate of EV uptake, the impact they're having on air pollution and where resources can be allocated to help uptake.

The data

The data is provided by the UK Government. Department for Environment, Food & Rural Affairs, Department for Transport, and Driver and Vehicle Licensing Agency.

General Questions

UK Gov would like to gain an understanding of whether electric vehicle uptake is having an affect on air pollution across the UK. Consequently, they'd like to know where they could allocate resources to improve adoption. Some specific questions:

- How many electric vehicles are on the road across the UK?
- Is the uptake of EVs yet having a discernible impact on air quality?
- Is EV charger distribution affecting air quality?
- Are there limiting factors to EV uptake?
- Where would you suggest UK Gov allocate resources to improve uptake?