

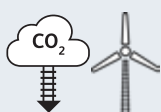
Environmental Sustainability Strategy summary



We want to make rail more environmentally sustainable so that it remains the greenest, most reliable form of mass transport in Britain and plays a vital part in green economic recovery and growth.

Our Environmental Sustainability Strategy focuses on four sustainability priorities that will maximise the positive contribution rail can make to the lives of our passengers, our society and our economy while minimising any negative impact on our natural environment.

Our four environmental sustainability priorities are:



A low-emission railway

We will achieve net zero carbon emissions by 2050 (and 2045 in Scotland) and deliver continual improvements to air quality so that our passengers, neighbours, and employees breathe healthier air.



A reliable railway that is resilient to climate change

We will prepare the railway infrastructure to minimise the impacts of climate change by 2050.



Improved biodiversity of plants and wildlife

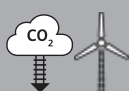
We will continue to look after nature and protect, maintain and enhance biodiversity across the railway landscape by 2035.



Minimal waste and the use of materials

We will reuse, repurpose or redeploy all surplus resources, minimise use of resources, design out waste and embed waste life-cycle/ circular economy thinking into the rail industry by 2035.

How can we achieve our ambitions?



A LOW-EMISSION RAILWAY

Complete and approve a Traction Decarbonisation Network Strategy (2020)

Approve science based targets for Scope 3 emissions (including Traction diesel emissions) (2020)

Trial bi-mode, hydrogen and battery trains (2024)

Reduce harmful pollutants by 25% in Network Rail stations (2030)

Complete Electric Vehicle charging roll out in Network Rail operated sites and managed stations (2029) and transition Network Rail's road vehicle fleet to Ultra-Low Emission (2035)

Purchase 100% renewable non-traction electricity (2020) and move towards getting this from renewable energy sites (2030)

Produce an air quality improvement plan for Network Rail managed stations and depots (2024)



A RELIABLE RAILWAY SERVICE THAT IS RESILIENT TO CLIMATE CHANGE

Launch two independent task forces to help us better manage our earthworks (cuttings and embankments) portfolio and our understanding and response to severe weather events (2020)

Update our asset policies and standards to reflect long-term climate change projections (2024)

Agree level of service in extreme weather conditions with Government and Regulators (2027)

Develop long-term adaption pathway strategies and identify the level of investment required for different scenarios (2029)

Review the importance and vulnerability of all assets for climate change across the network (2024)



IMPROVED BIODIVERSITY OF PLANTS AND WILDLIFE

Publish the National Biodiversity Standard (2021) and use this to guide Network Rail asset managers on best practice for habitat management interventions for biodiversity and rail performance

Establish the biodiversity baseline, map all relevant data and make it available to our supply chain (2024)

Work with neighbouring landowners and stakeholders to create a railway that is lined with grassland, hedges and well-managed trees



MINIMAL WASTE AND THE USE OF MATERIALS

Reuse, recycle, or redeploy all our harmless infrastructure materials (2029)

Map and prioritise materials and waste streams within our supply chain (2021)

Embed a circular economy policy for reducing resources and waste (2022)

Include material reuse and redistribution systems in the procurement process (2024)

