

Building a resilient network

Strengthening our network to cope with future challenges



We invest in strengthening our electricity network, consisting of important infrastructure such as cables, overhead lines and substations. This ensures that our network is **resilient to physical, virtual and weather-related threats** now and in the future. This includes:

- Protecting against **cyber-attacks** on our IT systems and the electricity grid which enable us to operate a reliable electricity network and safeguard customer data
- Protecting against **vandalism** to our equipment (e.g. substations and cables) with improved physical security e.g. fences and CCTV
- Protecting against **adverse weather** (such as storms Ciara, Dennis and Jorge in the last year), by strengthening our network, cutting back trees near overhead power lines and increasing flood protection.

These events occur relatively infrequently, but are becoming more frequent as a result of **climate change** and can have a significant impact on our network and customers when they do happen.



In 2015, **Storm Desmond** caused damage to large substations in Lancaster and Cumbria and 75,000 properties lost power due to flooded electricity substations.