

# JUST THE **FACTS**

## NORTHERN POWERGRID

SERVICE AREA	9,650 square miles
ELECTRIC END-USERS SERVED	4 million
OVERHEAD DISTRIBUTION LINES	17,100 miles
UNDERGROUND DISTRIBUTION LINES	43,600 miles



**PHILIP A. JONES**  
Chief Executive

Northern Powergrid’s regulated electricity distribution business delivers power to 8 million customers across 4 million homes and businesses in the North East of England, Yorkshire and northern Lincolnshire.

Northern Powergrid also operates a number of smaller unregulated subsidiaries:

- Northern Powergrid Metering is a rapidly growing meter asset provider that rents smart energy meters to U.K. energy suppliers.
- Integrated Utility Services offers turnkey engineering solutions to its customers across the U.K. and Ireland.
- CalEnergy Resources participates in upstream oil and gas and renewable energy projects in Australia, Poland and the U.K.

### DELIVERING A RESILIENT AND INNOVATIVE NETWORK

- Consistently delivering a safe, reliable, customer-focused service is at the heart of how Northern Powergrid operates every day.
  - Investment in smart technology, such as remote control and network automation, has contributed to a 28% reduction in the time customers are without power since 2015.
  - The company invested £3 billion in the 8-year regulatory period that ended in March 2023 as part of a commitment to deliver improvements for customers.
- Northern Powergrid is building an energy system that will enable the transition to net zero. Actions include:
  - Creating a platform for smart solutions through a smart grid roll out that is transforming the company’s ability to monitor, control and communicate with more than 860 major substations and 8,000 distribution substations
  - Creating 1,000 new skilled jobs in the region through one of the few employer apprenticeship programs rated “Outstanding” by the U.K.’s education regulator
  - Actively managing the increasingly complex power flows across the network that result from decarbonization
  - Investing £65 million as part of a UK-wide £300 million investment in networks that will enable an accelerated take up of low-carbon technology

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- Ground-breaking innovation projects are exploring new technologies that have the potential to improve performance and/or drive change in the energy system landscape. They include:
  - Harnessing data from smart meters as part of a £1.3 million energy efficiency trial to reduce energy bills and carbon emissions
  - Investing in a £2.5 million first-of-its-kind energy storage smart grid in Newcastle and Northumberland to pilot a technology that will maintain power supplies to critical infrastructure and isolated communities
  - Investing in electric vehicles equipped with a large battery as an alternative to traditional diesel generators to support vulnerable customers and reduce cost, noise and CO<sub>2</sub> emissions
  - Using new eco-paint and eco-pole manufacturing technologies that could deliver improved asset resilience and environmental improvement
  - Utilizing a new open energy data tool that will build a richer picture of the latest forecasts for low-carbon technology uptake, helping new renewable energy sources connect to the network and supporting emerging market developments such as electric vehicle charge points
- Northern Powergrid launched the Northern Powergrid Foundation in October 2022 to support community resilience projects in their region.
- Northern Powergrid Metering has supplied 3.3 million smart meters to customers and will have invested over £600 million by 2024.
- CalEnergy Resources has over £500 million in operating assets. It reached first gas on its North Sea development opportunity in 2022 and owns two newly commissioned solar farms in New South Wales, Australia, that provide a platform for future growth in that market.

### PREPARING FOR THE 2023-2028 REGULATORY PERIOD

- Northern Powergrid’s plan for 2023-2028 was built on extensive stakeholder input and projects. An investment of over £3 billion will be made in the region, creating 1,000 job opportunities and increasing service standards.
- Northern Powergrid will take a leading role in enabling its customers and the region to be part of the U.K.’s commitment to reduce carbon emissions by almost 80% by 2035. The pathway projected by the government’s plan is forecast to result in the connection of 941,000 electric vehicles and 309,000 heat pumps to the network.
- Northern Powergrid will invest £200 million in data and digitalization initiatives that will enable faster take-up of low-carbon technologies, support the delivery of distribution system operation services and create a smarter, more flexible and resilient network.

### MANAGEMENT TEAM



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