

JUST THE **FACTS**

NORTHERN POWERGRID

SERVICE AREA	9,650 square miles
ELECTRIC END-USERS SERVED	3.9 million
OVERHEAD DISTRIBUTION LINES	17,100 miles
UNDERGROUND DISTRIBUTION LINES	44,000 miles



PHILIP A. JONES
Chief Executive

Northern Powergrid’s regulated electricity distribution business delivers power to 8 million customers across 3.9 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.
 - The company invested £3 billion in the eight-year regulatory period ending in March 2023 as part of its commitment to deliver improvement to the network and prepare for decarbonization.
 - This included investment in smart technology which has a direct impact on the services provided to customers, such as remote control and network automation which helped to reduce the time customers’ power is interrupted by 26% since 2015.
- Northern Powergrid recognizes the crucial role it plays in achieving net zero and is taking action now to build the future energy system that enables the transition by:
 - Creating a platform for smart grid solutions by transforming the company’s ability to monitor, control and communicate with more than 780 major substations and 8,900 distribution substations.
 - Creating over 1,000 new skilled job opportunities to support the delivery of the additional investment, supported by an apprenticeship program that is rated “Outstanding” by the U.K.’s education regulator.
 - Enabling flexibility markets and development of regional energy plans with key stakeholders through Distribution System Operation services.

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- Investing £65 million as part of a U.K.-wide £300 million investment in networks to enable accelerated take-up of low-carbon technologies.
- Ground-breaking innovation projects are exploring new technologies that have the potential to improve performance and 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.
 - A £3.5 million first-of-its-kind energy storage microgrid to pilot a technology that will maintain power supplies to critical infrastructure and isolated communities.
 - Investment in ‘Silent Power’ EVs, equipped with a large battery as an alternative to traditional diesel generators, which will support vulnerable customers and reduce cost, noise and CO₂ emissions.
 - An investment of £14.6 million to enable Smart Local Energy Systems across the low-voltage network, which will enable communities to pursue their own decarbonization agenda by granting further control over energy and assets.
 - Increasing access for prospective connection customers through new web-based open data tools to deliver enhanced insight and enable a better view 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’s success continues, as the business has already supplied 3.7 million smart meters and will have invested over £640 million by 2025.
- CalEnergy Resources has £400 million in operating assets. It owns producing oil and gas infrastructure in the North Sea and two solar farms in New South Wales, Australia, that provide a platform for future growth in that market.

DELIVERING A NETWORK FOR THE FUTURE

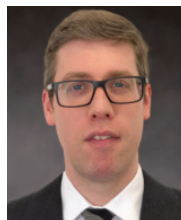
- Northern Powergrid is delivering a significant investment of over £3 billion in its operating regions over the 2023-2028 period. The program is backed by extensive stakeholder engagement and will be focused on enabling customers and the region to be part of the U.K.’s commitment to reduce carbon emissions by almost 80% by 2035. The pathway projected by the government’s plan is forecast to result in the connection of 1.8 million electric vehicles and 350,000 heat pumps to the network.
- Northern Powergrid is investing £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.



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