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National Grid makes science simple during school workshop

National Grid makes science simple during a visit to the Shaftoe Trust Primary School in Haydon Bridge, Hexham

29 Jun 2016

-National Grid hosts science show

-Visit to school coincides with work at local substation

-Project will ensure Northumberland has a safe and reliable source of renewable energy

National Grid visited Shaftoe Trust Primary School in Haydon Bridge, Hexham recently to host two Science Made Simple workshops to teach their pupils all about science and engineering.

The pupils were able to take part in two interactive demonstrations involving volunteers from the audience. Key stage one pupils enjoyed '[Izzy's Incredible Adventure](#)', investigating the different ways we travel and the science behind transport. Key stage two pupils enjoyed '[Who Wants to be a Superhero?](#)' exploring exactly what real-life scientists and engineers do, as well as learning more about gravity, forces, energy, light, space, and the environment.

During the visit, children were encouraged to get excited about science and engineering whilst learning about how National Grid's work will connect their local area to renewable energy being produced nearby.

National Grid is currently delivering a new transformer to the existing substation at Fourstones where it will connect a new onshore wind farm. The work, which will be complete by the end of November, will link the local community to a nearby source of renewable energy and help ensure reliable and resilient power supplies in the years ahead.

Gill Woodward, Head teacher at Shaftoe Primary School, said: "I would like to thank National Grid for hosting this event for Shaftoe Trust Primary School. The pupils had a wonderful time and thoroughly enjoyed getting involved in the experiments and learning more about engineering."

Graham Law, Project Engineer at National Grid said: "As well as bringing reliable energy supplies to local people in Northumberland, we like to stay connected with the local communities in which we operate. We are really pleased to have visited Shaftoe Trust Primary School and it was great to see pupils having such an enjoyable time learning about science and engineering."

The workshop was also attended by a representative from National Grid who spoke to the pupils about the Fourstones Substation and its wider role of connecting the local community to a source of renewable energy

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Notes for editors

Notes to Editors:

National Grid is pivotal to the energy systems in the UK and the north eastern United States. We aim to serve customers well and efficiently, supporting the communities in which we operate and making possible the energy systems of the future.

National Grid in the UK:

- We own and operate the electricity transmission network in England and Wales, with day-to-day responsibility for balancing supply and demand. We also operate, but do not own, the Scottish networks. Our networks comprise approximately 7,200 kilometres (4,474 miles) of overhead line, 1,500 kilometres (932 miles) of underground cable and 342 substations.
- We own and operate the gas National Transmission System in Great Britain, with day-to-day responsibility for balancing supply and demand. Our network comprises approximately 7,660 kilometres (4,760 miles) of high-pressure pipe and 618 above-ground installations.
- As Great Britain's System Operator (SO) we make sure gas and electricity is transported safely and efficiently from where it is produced to where it is consumed. From April 2019, Electricity System Operator (ESO) is a new standalone business within National Grid, legally separate from all other parts of the National Grid Group. This will provide the right environment to deliver a balanced and impartial ESO that can realise real benefits for consumers as we transition to a more decentralised, decarbonised electricity system.
- Other UK activities mainly relate to businesses operating in competitive markets outside of our core regulated businesses; including interconnectors, gas metering activities and a liquefied natural gas (LNG) importation terminal – all of which are now part of National Grid Ventures. National Grid Property is responsible for the management, clean-up and disposal of surplus sites in the UK. Most of these are former gas works.

Find out more about the energy challenge and how National Grid is helping find solutions to some of the challenges we face at <https://www.nationalgrid.com/group/news>

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