

Mad Science Fun Day at Bowers Gifford Primary School

- National Grid provides day of fun science experiments for local primary school pupils

09 Oct 2014

- **Event is part of National Grid's efforts to encourage more pupils to take up science and engineering**
- **National Grid is currently refurbishing the South Essex Overhead Line**

Youngsters were treated to a day of fun and exciting science experiments organised by National Grid who are carrying out work in the local area.

Pupils at St Margaret's Church of England VA Primary School in Bowers Gifford learned about some of the most important elements in the science curriculum with Mad Science workshops on chemistry and electricity.

Year three and four pupils took part in the workshops with the assistance of Mad Science's Atomic Andie where they had the chance to make circuit boards. They also experimented with 'non-Newtonian' fluid, made from cornflower and water, which changes its thickness according to the amount of force applied to it.

Emma Wigmore, Head Teacher at St Margaret's said: "The children absolutely loved the Mad Science workshops, and it was great to see how much they learned whilst having loads of fun too.

"Events such as this are a fantastic way to make science engaging and really have a lasting effect on the children's learning. I would like to thank National Grid and Atomic Andie for making the day a success."

Graham Livings, Project Manager for National Grid said: "It has been our pleasure to give something back to the community in Bowers Gifford, now that our work refurbishing overhead lines in the South Essex area is reaching its final stage.

"We need to inspire more young people into taking up science and engineering, and it has been fantastic to see that in action at St Margaret's Primary School."

National Grid's major refurbishment of the overhead lines running between substations at Tilbury, Coryton and Rayleigh, will help ensure the people of South Essex continue to enjoy safe and reliable electricity supplies in the future.

For more information on the work call 0800 319 6165 9am to 5.30pm, Monday to Friday, email nationalgrid@southessexoverheadline.com or go to <http://www2.nationalgrid.com/UK/in-your-area/Projects/South-Essex/>

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Notes to Editors:

National Grid is one of the largest investor-owned energy companies in the world. We own and manage the grids that connect people to the energy they need, from whatever the source. In Britain and the north-eastern states of the US we run systems that deliver gas and electricity to millions of people, businesses and communities.

In Britain, we run the gas and electricity systems that our society is built on, delivering gas and electricity across the country. In the North Eastern US, we connect more than seven million gas and electric customers to vital energy sources, essential for our modern lifestyles.

National Grid in the UK:

- ? We own the high-voltage electricity transmission network in England and Wales, operating it across Great Britain
- ? We own and operate the high pressure gas transmission system in Britain
- ? Our gas distribution business delivers gas to around 11 million homes and businesses
- ? We also own a number of related businesses including LNG importation, land remediation and metering
- ? National Grid manages the National Gas Emergency Service free phone line on behalf of the industry - 0800 111 999 (all calls are recorded and may be monitored).
- ? Our portfolio of other businesses is mainly concerned with infrastructure provision and related services where we can exploit our core skills and assets to create value. These businesses operate in areas such as Metering, Grain LNG Import, Interconnectors and Property. National Grid Carbon Ltd is a wholly owned subsidiary of National Grid and it undertakes Carbon Capture Storage related activities on behalf of National Grid.

National Grid in the US:

- ? In the northeast US, we connect more than seven million gas and electric customers to vital energy sources, essential for our modern lifestyles.
- ? National Grid delivers electricity to approximately 3.4 million customers in Massachusetts, New York and Rhode Island. It is the largest distributor of natural gas in north eastern U.S., serving approximately 3.6 million customers in New York, Massachusetts, and Rhode Island.

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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>

National Grid undertakes no obligation to update any of the information contained in this release, which speaks only as at the date of this release, unless required by law or regulation.

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In Media

- > Press Releases
- > Media contacts

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United Kingdom

- > Our business
- > Electricity
- > Gas
- > Operating responsibly
- > Investor factsheets
- > Presentations and webcasts
- > Annual reports
- > Biographies

United States

- > Our business
- > Operating responsibly
- > Investor factsheets
- > Presentations and webcasts
- > Annual reports
- > Biographies