

GOOD NEWS

good energy

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A message from Juliet

Firstly, I'd like to thank you for your continued support. I'm pleased to say after a challenging year in 2017, we're now fit and ready to face an exciting 2018.

Thanks to you, Good Energy is actively investing in more sources of local renewable generation; and paying a fair price to our network of over 1400 small local renewable generators right across the country.

We recently handed back two of our solar sites into community hands, allowing us to redeem our first bond, and we will continue working with both sites as part of our community of generators.

In 2018, we're focusing on smart technology and making your digital experience with Good Energy a straightforward and enjoyable one.

Our new app will be launching soon and this will truly come to life when we start rolling out smart meters later this year. We'll be looking for customers to pilot our new meters so watch this space to hear about how to join the trial.

"Together, we're powering the choice of a greener, cleaner future."

Thank you for being part of our Good Energy Community in 2018.



Juliet Davenport
Founder and Chief Executive Officer
(CEO)



The real cost of fossil fuels

The environmental effects of fossil fuels are clear to see. But what about the other impacts; such as public health, equality and global security? How will reducing our reliance on fossil fuels affect these areas? Our detailed report shines a light on some of these areas.

Reducing fossil fuels will improve people's health

The energy and transport sectors are jointly responsible for nearly 50% of greenhouse gas emissions, and they're really affecting our health - with poor air quality estimated to kill around 6.5 million people worldwide each year. The government have banned the sale of new petrol and diesel vehicles by 2040; and 2017 saw our first coal-free day since the industrial revolution.

Reducing fossil fuels will help reduce worldwide inequalities

Currently, the world's poorest are affected most by climate change and by the impacts of severe weather events. This is due to the lack of resources available to protect those people and to help those areas recover and rebuild. A greater focus on renewable energy can help

to address inequalities both between countries and within them. This is because communities at a very local level can own renewable generation in a way that they could never own a traditional power plant; without cross-country infrastructure.

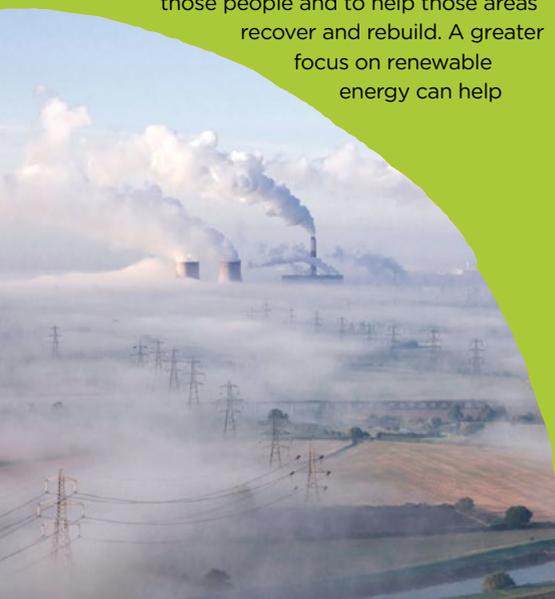
Reducing fossil fuels could help reduce global conflict

Perhaps the biggest global cost of the world's reliance on fossil fuels over recent decades has been the rate of conflict in and near areas of production. The supply of oil and gas is not equally distributed across countries; in fact it is concentrated in the hands of a small number of people and firms.

On the other hand, renewable energy sources, like the sun and the wind, are available globally. Academics believe that a global energy system built on renewables will be more stable and peaceful than one dominated by fossil fuels.



Read the full Cost of Fossil Fuels report [here](#)



Partnering with Honda to power forward with electric vehicle charging



Battery storage is vital to the continued growth of renewable energy in the UK, as it helps solve renewable sources' reliability issue — the changeability of the weather. vehicle-to-grid, and now vehicle-to-home, technologies are a unique way of capturing the storage capacity of Electric Vehicle (EV) batteries while they would otherwise be on standby.

Funded by Innovate UK and managed by Upside Energy, the project will explore how EV batteries can provide flexibility to the energy system within the context of other systems in the home, such as batteries attached to solar panel arrays, heating and hot water systems.

To enable us to fully understand the impact of the technologies, we'll be conducting the tests within Salford University's controlled testing facility, Energy House, which is the only full-scale building in an environmental chamber in Europe. The house can be subjected to simulated climates, like sun, wind, rain and snow, and is equipped with 300 sensors; making it the perfect laboratory to test what V2G can do. Using a first-of-its-kind charging point from Honda, the project will investigate different configurations to build

a suite of models demonstrating the value of EV and other battery storage systems within an integrated home energy storage system.

Juliet Davenport said: "EVs, battery storage, vehicle-to-grid and now vehicle-to-home are all technologies that will be part of a decentralised energy system of the future. I'm really excited to see what the findings are and how we can use them to help our customers get to a cleaner, greener world."

"These tests... could be scaled up to hundreds if not thousands of homes and vehicles, and start to identify what services can be offered to householders and the grid in the future."



Local Energy - good for the environment, good for security, good for people

Local energy is at the heart of what we do. We are passionate about creating a long term, sustainable business model for energy, which can pass onto future generations.

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Good for the Environment

Many of us are thinking smarter about where our food comes from, checking the labels on produce to see whether it's locally grown. We believe the same logic should be applied to buying energy. By choosing an energy supplier with local generation at its heart, you can actively choose to eliminate some of the environmental cost.

Good for Security

Local, renewable energy generated in the UK protects and futureproofs our energy needs as a country. We only buy power from the UK energy market. We buy directly from small local generators, giving these local generators a fair and long term income for their work, which they can put back into their local economy.

Good for People

After the Taff Bargoed valley's three coal mines were closed down in the early 1990s; the park became a derelict waste land. 25 years later, it's a well-loved community park and wildlife reserve that has built its livelihood on a much greener form of energy; hydro power.

Flowing right through the centre of the park is the Taff Bargoed river, which feeds into almost 12 acres of lakes and



Paul Kent, Local Generator and Friends of Taff Bargoed Group member.

canoeing weirs. Following the installation of a millennium ornamental water cascade, the Friends of Taff Bargoed Park group began to look into a way to harness the river's power and to provide a sustainable income for the park for future generations.

Taff Bargoed hydro was finally completed in 2016. It generates an enormous 480 megawatt hours a year - enough to power 150 average-sized households. It's one of over 1400 independent generators all over the UK that we purchase our renewable electricity from.

We make sure Innocent never run out of juice



They're quite big in the smoothie world, and their high profile Big Knit campaign sees desks around the country decorated with teeny woolly hats to fight old age loneliness. Now, Innocent are big into renewable energy too, as one of our newest business customers.

We recently headed to Fruit Towers in London to find out more about Innocent's commitment to being green.

There are energy-saving features on every floor which, as well as improving efficiency, go a long way in creating awareness of climate change issues. These include the Last Leaver Lever, which turns off all non-essential power at the end of a working day; and Fresh Air Lights, which light up when it's more energy efficient to open the windows for natural heating or cooling, instead of relying on air conditioning.

Working with a global supply chain, Innocent told us that they're already seeing the impacts of global warming first hand, with severe weather events affecting fruit harvests.

“Climate change isn't happening to someone else, it's happening to all of us,”

they told us “and it's so important that everyone does something, however small. That's why we chose for our offices to be powered by renewable electricity. It's part of our commitment to do our bit to keep climate change below 2 degrees.”



Tell Us What you Think

We'd love to hear more of what you want to read about in our newsletter.

Passionate about EVs or want to know more about solar?

Complete the online survey at goodenergy.co.uk/newsletter-survey



goodenergy.co.uk



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