





COMING UP

Queen's Speech 2014

The Queen's Speech on 4 June announced that the Government will introduce an Infrastructure Bill. The Bill will enhance the UK's **energy independence and security**, by opening up access to shale and geothermal sites and maximising North Sea resources. Legislation will also ensure that new homes are built to a zero carbon standard from 2016, which will reduce carbon emissions and reduce household energy bills. See what this means in more detail **here**.

International climate change

The Queen's Speech reiterated our efforts to address dangerous climate change through ambitious action at home and on an international level. The agreed global goal is to limit the average global temperature rise to below 2 degrees above preindustrial levels. The most cost effective and competitive way to achieve this is an international, legally binding, rules-based agreement covering every country. DECC are negotiating a final deal through the UN Framework Convention on Climate Change (UNFCCC). It is due to be agreed at UNFCCC talks in Paris in December 2015, and to take effect from 2020.



Electricity market reform

We continue to implement major reforms to the electricity market to attract the investment needed to replace our ageing energy infrastructure and meet the projected future increases in electricity demand (see Edward Davey's speech on securing electricity supply on page 7).

DECC are implementing two new mechanisms to enable the UK to develop a clean, diverse and competitive mix of electricity generation, which will deliver security of supply. These are:

- **Contracts for Difference** (CfDs) to enable investment in low carbon generation– these new contracts provide long-term revenue stabilisation, allowing investment to come forward at a lower cost of capital and therefore at a lower cost to consumers.
- The Capacity Market a regular retainer payment to reliable forms of capacity (both demand and supply side) to provide an insurance policy against future blackouts and help to ensure that consumers continue to receive reliable electricity supplies at an affordable cost. In addition, DECC, Ofgem and National Grid are working together to supplement the Capacity Market with additional balancing services to maintain security of supply in the middle of the decade.

Through the Energy Act 2013, we have put in place the legislation for these reforms to be implemented. Secondary legislation laid on 23 June pushes electricity market reform forward – enabling allocation of Contracts for Difference, and the first Capacity Market auction, to take place later this year.

Factcheck

DECC reforms are already driving billions of pounds of investment:

- Eight projects have been allocated early **Contracts for Difference**. By 2020, these projects will provide up to £12 billion of private sector investment, supporting 8,500 jobs, and they could add a further 4.5GW of low-carbon electricity to Britain's energy mix (or around 4% of capacity), generating enough clean electricity to power over three million homes.
- In October 2013 the key terms of an investment contract were agreed for Hinkley Point C, paving the way for construction of the first new UK nuclear power station in a generation.

Maintaining investment in renewable energy

Proposals to maintain the growing momentum behind renewable electricity investment in the UK were unveiled on 13 May.

Since 2010, the UK's renewable electricity capacity has doubled; in the same period, over £34 billion of private sector investment has been announced, with the potential to support almost 37,000 jobs. What's more, the scale of growth in the sector has meant that the cost of some renewable technologies, such as onshore wind and solar power, has fallen.

These proposals are about ensuring the right balance of support for renewables and a smooth transition to DECC's new Contracts for Difference, securing the further investment we need to provide clean, green and secure energy, whilst continuing to deliver value for money for consumers.

The four consultations published by DECC are:

- Consultation on changes to financial support for solar PV
- Support for community energy projects under the Feed-in Tariffs Scheme
- Electricity Market Reform: Further consultation on allocation of Contracts for Difference (consultation closed)
- Government response on allocation of Contracts for Difference
 (consultation closed)

The consultations on changes to financial support for solar PV and support for community energy projects under the Feed-in Tariffs Scheme both close on 7 July.



Look out for DECC's first full Annual Investment Report, due to be be published later this year. You can find our summary Energy Investment Report, published in April, <u>here</u>.

Offshore wind farm given the green light

The East Anglia One offshore wind farm that is expected to support almost 2,900 jobs and bring over £520 million of investment into the UK's economy was given consent by DECC on 17 June.

This is an important milestone for what could be one of the largest wind farms in the world. Once built, it would be worth \pounds 10 million a year to the East Anglian economy and generate enough electricity to power approximately 820,000 homes.

More information about this project can be found on the National Infrastructure Planning website.

Driving down the cost of offshore wind

It was announced on 10 June that the competitive system for connecting offshore wind farms has been extended to drive down costs. The offshore transmission regime has now 'fully commenced'. The laws supporting the regime have taken full effect, meaning **Ofgem** can find the most cost-effective investment in the connecting cables and infrastructure for all offshore wind power.

Local supply chain opportunities in onshore wind

On 5 June, RenewableUK published a **guide** highlighting the massive potential for local companies to win contracts, to plan, build and maintain onshore wind farms, and to provide support services.

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Underground drilling access: consultation

On 23 May, DECC launched a consultation on proposals to simplify the rules for shale gas and oil and deep geothermal underground drilling access.

The new proposals will speed up the introduction of underground drilling. Oil, gas and deep geothermal companies will be able to access land, and in return, they will provide land owners with a payment.

The proposals are:

- Underground right of access for shale gas and deep geothermal operations below 300m from the surface;
- Firms pay £20,000 per well to those living above the ground; and
- A public notification system for access.

A company looking to develop shale or geothermal will still need to obtain all the necessary permissions. There are controls in place to regulate seismicity, environmental impacts and planning impacts and there are numerous opportunities for local communities to engage ahead of any development.

This consultation will run for 12 weeks and close on 15 August, following which DECC will announce next steps.

We have also published a **further report by the British Geological Survey on shale gas resources in Great Britain**. The new report assesses the resources of the Jurassic shales of the Weald.

Major milestone reached for new nuclear in Cumbria

A major step was taken on 1 May towards a new nuclear power station at Moorside, West Cumbria that will create at least £10 billion worth of investment and thousands of jobs.

The Nuclear Decommissioning Authority (NDA) has agreed key commercial terms with Toshiba and its partner GDF Suez to extend a land option agreement that reaffirms the consortium's commitment to build three reactors at Moorside. The reactors, to come online from 2024, will deliver 3.4GW of new nuclear capacity, enough to power up to 6 million homes. It is estimated that the project will result in 14,000 jobs over the construction period for the three reactors, including peak on-site employment of more than 6,000 people. In the operational phase the three reactors will sustain around 1,000 permanent jobs over the course of the reactors' lifetimes.

The Prime Minister considered it "a symbol of the growing relationship between Britain and Japan."

North Sea still attractive for oil and gas industry

DECC's latest offshore oil and gas licensing round, which closed for applications on 25 April, has received a strong response with 173 applications from industry for around 370 blocks. The department will scrutinise applications over the coming months and aims to start awarding geographical areas in the autumn.

Factcheck

The UK's oil and gas sector still provides almost half of the country's energy and is by far the largest single industrial UK investor. Directly and indirectly it supports around 450,000 jobs in the UK.

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Green Deal Home Improvement Fund

On 9 June, the Green Deal Home Improvement Fund opened the doors to cashback payments of up to £7600 for people carrying out energy efficiency improvements on their homes. The launch was covered widely in print and consumer websites, as well as across regional and national radio with interviews from Energy and Climate Change Secretary Edward Davey and Energy Minister Greg Barker.

£2.61 million was issued to households through the new Green Deal Home Improvement Fund during the scheme's first week, according to industry estimates. 1.736 applications were made for the fund which offers households in England and Wales up to £7600 cash back for making energy efficient home improvements.

For more about the Green Deal Home Improvement Fund see GOV.UK website.

A stronger service for consumers

Consumer Futures transferred to Citizens Advice and Citizens Advice Scotland in April, as part of the Government's consumer landscape reforms. Consumer advice, advocacy and education all now come under one roof, making things simpler for consumers.

Citizens Advice's energy team retains the statutory functions that Consumer Futures had, including the right to appeal regulatory decisions and wide information-gathering powers. Citizens Advice work across a range of DECC policy areas, including the smart metering programme, fuel poverty, electricity market reform, Energy Companies Obligation and Green Deal.

Citizens Advice provides a complaint handling function for vulnerable consumers and those disconnected from suppliers in their Extra Help Unit, based in Glasgow. They also run the consumer service, providing telephone and email advice, including on energy matters. This front line service gives Citizens Advice a

citizens

advice

huge evidence base and helps them to campaign on the important issues.



Fuel poverty annual report and statistics

Through the Energy Act 2013, DECC has laid the ground for a new legal framework to monitor fuel poverty in England using the Low Income High Costs Indicator (LIHC). The Fuel poverty statistics report published on 12 June is based on this LIHC definition and presents a comprehensive view of the latest statistical trends and analysis relating to 2012. The full statistical release is available **here**.

Commenting on the fuel poverty annual report and fuel poverty statistics for 2012, Energy and Climate Change Minister Greg Barker said: "I am encouraged by this further modest fall in the number of households living in fuel poverty. This welcome progress shows that while we can't control volatile energy prices we can continue to improve the energy efficiency of our housing stock."

Factcheck

In 2012:

- The number of households in fuel poverty in England was estimated at around 2.28 million, representing approximately 10.4 per cent of all English households. This is a fall from 2.39 million households in 2011 (a reduction of almost 5%).
- The aggregate fuel poverty gap also dropped by around five per cent, from £1.06 billion in 2011 to £1.01 billion in 2012 (in real terms), as did the average fuel poverty gap - from £445 to £443.



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Ofgem findings on difference in prices between payment methods

On 20 May, Ofgem published its findings on the different charges energy consumers pay, depending on their payment method.

Ofgem rules, introduced in 2009, protect consumers and allow suppliers to charge different prices for different payment methods, but only if the amount reflects the cost of providing those accounts. Since the rules were introduced, the difference in prices between payment methods have fallen significantly.

Ofgem also now requires suppliers to regularly tell consumers what their cheapest tariffs are so they could save money by changing their payment method.

Ofgem will continue to monitor the market and take action where suppliers fall short of the rules.

In response to Ofgem's findings on charges, Energy and Climate Change Secretary Edward Davey said: "It's encouraging that the wide variation in charges between different payment methods has at long last been reduced after Ofgem stepped in - not least because this is helping those on prepayment meters, many of whom will be vulnerable customers. However, people will want to know that even more progress can be made and that's where our smart meter roll out will help - and why I want energy firms to replace pre-payment meters with smart meters and offer competitive 'pay as you go tariffs".

Visit Ofgem's website for full details. HELPING CONSUMERS

G7 Energy Ministers meeting in Rome

Energy Ministers of the G7 group met in Rome on 6 May to discuss international energy security. This meeting of ministers from the UK, Germany, USA, Canada, Italy, France, and Japan was part of the preparations for a major G7 summit held in early June in Brussels. Speaking after the meeting, Edward Davey said: "The G7 has started a process of disarmament to prevent energy being used as a weapon in the future. We agree that we need a more energy secure future, meaning that no single state or supplier can use such tactics. We have agreed to do what's needed to achieve a systematic, enduring step change to improve energy security - not just for the nations in the G7, but for our friends and allies, with a particular focus on Ukraine and its Eastern European neighbours who are most at risk from the use of these tactics by Russia."

Read the joint statement issued here.



UK and China sign civil nuclear agreement and deepen cooperation on climate change

During the visit of Chinese Premier Li Keqiang to London on 17 June, the UK and Chinese governments signed a civil nuclear agreement that could be worth hundreds of millions of pounds to British companies over several years.

A separate landmark agreement also confirms that Chinese companies could own and operate a Chinese designed nuclear power station, provided they meet the stringent requirements of the UK's independent regulator. For the first time, the UK and Chinese governments have agreed a groundbreaking **joint statement** on climate change. This is part of broader work together to reduce emissions and enhance energy security, central to which will be achieving a global, legally binding, and ambitious climate change agreement in Paris in 2015.

Both governments recognise the threat of dangerous climate change, and are committed to work towards the global agreement.

UK and Japan collaborate to tackle climate change & promote energy security

It was announced on 1 May that the UK and Japan will increase their cooperation to tackle international climate change and energy security issues, including energy efficiency, nuclear energy and renewable energy policies.

Edward Davey said: "The UK and Japan both recognise the importance of investing in a diverse and clean energy mix in order to ensure a competitive economy, long-term security of supply and avoid dangerous climate change. I hugely value our partnership with Japan and am pleased to continue to work together to secure a global climate change deal in 2015 and support the global transition to a low carbon economy."

Mr Davey and Prime Minister Abe discussed areas of UK-Japan low carbon cooperation, including nuclear energy. Both countries believe that nuclear energy provides a consistent and affordable source of energy, and has a key role to play in the future low carbon energy mix.

The **joint statement** confirms that the two countries will continue to work closely on the decommissioning of nuclear waste.



US proposals to cut carbon emissions

On 2 June, the US Environmental Protection Agency released the **Clean Power Plan** proposal, which for the first time cuts carbon pollution from existing power plants, the single largest source of carbon pollution in the United States. Among the measures is the proposal that by 2030, the US will cut carbon emissions from the power sector nationwide by 30% of 2005 levels.

Securing electricity supply

On 10 June, Energy and Climate Change Secretary Edward Davey delivered a speech on the UK's energy security to the Economist Energy Summit. Mr Davey insisted that Britain's lights will stay on, even in the unlikely event of England reaching the World Cup final.

According to the National Grid, if England were to make it to the final in Brazil on 13 July, the demand for power could outstrip royal weddings and the previous record for TV induced power demand surge – when England played Germany in the world cup semi-finals back in 1990.

Mr Davey said: "If England were to reach the World Cup final – listen, just stay with me for a minute – if that were to happen, Grid's data suggests it's possible we could see the highest domestic electricity demand surge ever.

"Now you've got the picture: can you imagine what would happen if, at a crunch moment, perhaps with the match about to go to extra time or penalties, there was a mass blackout?"

Mr Davey said that the National Grid had assured him that the UK has sufficient capacity to cope with even a recordbreaking surge, "through the group stages and beyond".

"So if Stevie Gerrard lifts the World Cup, Britain's lights – and televisions – will stay on."

You can read Edward Davey's full speech here.

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RenewableUK Global Offshore Wind Conference

Energy Minister Michael Fallon delivered a keynote speech at RenewableUK's Global Offshore Wind Conference in Glasgow on 11 June. Mr Fallon said: "Offshore wind isn't just an energy sector, it's a growth sector – and it's vital that as the offshore wind sector grows, it strengthens its contribution to economic growth and creating jobs in the UK – more than 6,000 people are directly employed in the industry, with a similar number of indirect jobs in the supply chain".

The Energy Minister said he was delighted that Siemens and ABP are jointly investing £310 million in turbine production and installation facilities in the Hull area, noting: "This will be one of the largest investments in Humberside in the last 50 years - it clearly demonstrates that the UK is THE market for the offshore wind sector".

Mr Fallon announced there will be a review of the future of the UK's offshore wind supply chain, saying "overall UK content in our offshore wind farms can be, and should be, much higher – especially in capital expenditure".

Renewable Energy Awards

Leading figures from green energy business, finance, policy and politics celebrated the successes of the renewable energy sector at the Renewable Energy Association's (REA) Awards on 12 June. Addressing the audience, Greg Barker said: "Once again the REA's Awards are showcasing the most inspiring examples of how UK businesses, local authorities and communities are investing and innovating to realise the unique opportunities in renewable energy.



RENEWABLE ENERGY ASSOCIATION

Greg Barker also welcomed the REA's new Finance Forum: "I'm also encouraged to hear about the REA's new Finance Forum. Not just important, but very timely. It is vitally important that the renewables industry and the wider finance community build strong relationships and share information with each other."

Taking the energy challenge online

A muddy field on the Welsh border is not the obvious location for an innovative energy event, but the latest edition of the British Energy Challenge – an initiative designed to encourage an informed conversation about the future of energy – delivered exactly that on 28 May.

Combining impromptu humour, energy data and online interaction, this new concept centred on a live show at the Hay Festival, which featured comedian Marcus Brigstocke and Radio 4 presenter Libby Purves.

Marcus and Libby, joined by a panel of energy experts and an audience of 400 people had to build a group 'pathway' from today through to 2050; setting out a plan for overhauling the way we make and use energy.

But the event – delivered in partnership with National Grid – was not restricted to the people in the room.

Two weeks in advance of the event, we asked people to send in their questions about the future of energy, using our **DECC blog**, which received significant support on Twitter.

Marcus then asked the top three questions to DECC's Chief Scientific Advisor, David MacKay and National Grid's Head of Policy and Strategy, Richard Smith, with the answers filmed and uploaded to YouTube:

- Grid storage
- Clean energy
- Powering cities

In addition, National Grid will produce an e-book that reviews all aspects of the project.

Both the videos and the e-books will be promoted online and we would welcome your support to help build an audience for this new material. If you would like to find out more about the campaign, please contact: **ewan.bennie@decc.gsi.gov.uk**.

HAY FESTIVAL

AFRICA AMERICAS ASIA EUROPE MIDDLE EAST



Climate Change author and campaigner Mark Lynas, Radio 4 presenter Libby Purves, Comedian Marcus Brigstocke, National Grid's Head of Policy and Strategy, Dr Richard Smith, and DECC's Chief Scientific Advisor, Professor David MacKay at the Hay Festival.

EURELECTRIC Annual Convention 2014

The EURELECTRIC Annual Convention in London on 2 and 3 June provided an opportunity for policymakers, industry and other stakeholders to exchange views on energy policy and reform of the electricity market. Secretary of State for Energy and Climate Change Edward Davey and Energy Minister Michael Fallon both delivered keynote speeches at the convention.

Edward Davey emphasised the importance of the decisions on an EU climate and energy package for 2030, which will be taken by Heads of Government at the EU's October summit, also calling for the package to include a robust energy security strategy based on the recent G7 proposal.

Mr Davey called for a single EU target to reduce greenhouse gas emissions by 40% by 2030, urgent reform of the EU Emissions Trading System and completion of the internal energy market.

Question Time: Inspiring progress

On 13 May, Baroness Verma chaired a STEM (science, technology, engineering and maths) 'Question Time' panel session at the Museum of Science and Industry in Manchester.

Baroness Verma was joined by three presidents on the panel:

- Professor Lesley Yellowlees CBE, President of The Royal Society of Chemistry
- Dr Frances Saunders CB, President of the Institute of Physics
- Professor Dame Nancy Rothwell, President of the Society of Biology

The event was held to celebrate the first time in history that all three leading scientific societies have been led by women. It promoted positive messages about the potential for young people, in particular women, to succeed in STEM careers, both in industry and academia. After the Baroness's introduction, the three president panel invited questions from an audience of around 70 young people from the area, considering or starting out in STEM careers.

UK hosts Clean Energy Finance Summit

Governments and international partners from the private sector came together during a two-day Clean Energy Finance Summit in London on 3 and 4 June. Government officials and experts from across the international financial sector considered new options for raising the private finance necessary to enable developing countries pursuing low-carbon development and tackle climate change.

Speaking at the Summit, co-hosted by HRH The Prince of Wales, Greg Barker said: "By bringing together governments and international private sector partners at the Summit, we can now go even further to mobilise investment to help drive low carbon growth in developing countries and open up new markets for UK plc."



The Summit represents

- The inaugural meeting of the Global Innovation Lab for Climate Finance, a new global public-private platform to leverage private sector investment in low-carbon, climate resilient infrastructure in developing countries.
- The building of a set of principles and instruments that countries can adopt to increase private investment in clean energy. A select number of ideas will be taken forward to the UN Secretary General's Leaders' Summit in September 2014.
- The UK government's strategy of supporting developing countries to fight climate change through a mix of direct government money and private investment.

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Fuelling the pipeline of female talent in the UK's energy sector



Verma at the launch of Powerful Women.

On 12 June, Energy and Climate Change Minister Baroness Verma launched POWERful Women (PfW) - a new, professional initiative to showcase female leadership potential in the UK's energy sector. PfW has an ambition of '30% of executive energy company board members to be female by 2030' and '40% of energy company middle management to be female by 2030'. Recent research published by law firm Eversheds shows that on average only 12.8 per cent of jobs

in the energy sector are held by women and 12.5 per cent of directors on energy company boards are female.

The group brings together industry, academia and political representatives that span the energy sector. It will support and encourage energy companies to appoint more women to senior roles as part of building stronger businesses – including through matching industry leaders with professional women to help overcome challenges and build opportunities for greater female leadership.

Baroness Verma, Co-Founder of POWERful Women, said: "We need to transform the way we generate and use energy, but we also need to transform the disparity of representation of women in the industry, particularly at senior and midmanagement levels. POWERful Women will endeavor to make this important goal become a reality."

For more information see the **POWERful Women website**.

Women into technology and engineering: a call to action

On 7 May, the Chancellor announced stretching national ambitions for greater participation of young people in technology and engineering and welcomed over 170 leading businesses and institutions offering over 2,000 jobs and apprenticeships.

This news is welcomed by DECC, as the achievement of the Government's energy and climate change goals rests on the nation's ability to grow skilled scientists and engineers.

Baroness Verma, who attended the launch of the industry-led campaign at the Science Museum, said:

"DECC has been supporting the cross-Whitehall drive to secure signatories from a range of businesses committing to concrete actions to engage with young people and increase the number of women in technology and engineering fields within their own organisations.

"I am really encouraged to see a good number of high profile organisations in energy and environmental sectors have already made pledges, including Veolia, Arup, BP, Sellafield Ltd and Shell. But this is just the start; we hope to secure more throughout the coming year and

to do that we need your help to engage our stakeholders and drive forward this very powerful initiative."

For more information on how you can support the Chancellor's campaign please go to the **yourlife website**.



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IN THE SPOTLIGHT

Events

Renewable Heat Incentive roadshows

DECC will be attending the last of a series of property and renewable energy roadshows to help businesses, installers and consumers to find out more about the domestic Renewable Heat Incentive (RHI) scheme. Attendees will also be able to find out how the domestic RHI and the Green Deal will work together to ensure that all participants benefit from having a smarter, warmer home.

The four remaining events DECC will be attending are:

Dates (all 2014)	Event	Location
26 & 27 June	Eco Technology Show	The Brighton Centre
28 & 29 June	Southern Homebuilding & Renovating Show	Sandown Park, Surrey
8 July	DECC RHI Roadshow	County Durham
9 July	DECC RHI Roadshow	Cumbria

More information about the domestic RHI schemes is available on the **Ofgem website**.

Electrical Demand Reduction pilot

Is your organisation considering a project to introduce electricity efficiency measures? Or to deliver electricity efficiency measures in other organisations? DECC's Electricity Demand Reduction (EDR) pilot gives you the chance to win funding to help make your project happen.

Through the £20m EDR pilot, DECC will provide a financial incentive for projects that deliver lasting reductions in electricity demand. To find out more visit the **pilot website** or email **edr-project@decc.gsi.gov.uk**.

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For further information on this and other events, please contact us.

Consultations

Government Electricity Rebate Closes: 11:45, 17 July 2014

Biomass sustainability Closes: 11:45, 14 July 2014

RHI biomethane injection to grid tariff review Closes: 11:45, 27 June 2014

Underground Drilling Access Closes: 11:45, 15 Aug 2014

Support for community energy projects under the Feed-in Tariffs Scheme

Closes: 11:45, 7 July 2014

Consultation on changes to financial support for solar PV Closes: 11:45, 7 July 2014

Click here for more information on **DECC consultations**

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