



Cleantech en-vision

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Low-carbon technologies boost economy

Advances in low-carbon technologies have the potential to save the UK tens of billions of pounds in energy-system costs over the next four decades, according to government-led research.

The latest Technology Innovation Needs Assessments (TINAs) also suggested early innovation across these areas could create UK-based business opportunities with the potential to add billions to the economy.

According to the latest reports, issued mid-August, electricity networks and storage have the potential to address new stresses likely to be placed on the electricity system as more intermittent renewables come online. Critically, the report said this technology will do so more cost-effectively than traditional methods of grid reinforcement and fossil-fuel powered system balancing capacity. As such, innovation in these technologies could save the UK £4bn–£19bn up to 2050 – and create an industry worth up to £34bn by 2050.

The report also noted innovation in carbon capture and storage (CCS), where carbon emissions from power stations are captured and stored underground, could reduce energy system costs by £10bn–£45bn in the period up to 2050. It also predicted early innovation could help create a UK industry with the potential to contribute £3bn–£16bn to the economy by 2050.

Marine energy generation could also make a meaningful contribution to the UK energy mix from around 2025. Yet the cost of energy generated will need to fall to around £100/MWh by 2025 for these technologies to be competitive with other technologies. The report claims this pathway is ambitious, but possible with significant innovation. Yet, if successful, marine energy could save £3bn–£8bn by 2050 in energy system costs. Despite reporting many benefits of incentivising these technologies, the TINAs suggested there are many barriers hindering their deployment. In most cases public sector intervention is required to address market failures.

Studies on industrial energy efficiency, heat, domestic buildings, nuclear power, and hydrogen are expected over the next few months. The government will use these assessments to decide how to allocate public funds.

Government

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The views expressed in this newsletter are not necessarily those of Cambridge Cleantech or Cornwall Energy

Renewables rise for UK despite continuing uncertainty

“Dash for gas” fails to stop top-five ranking in latest quarterly renewables index

The UK has secured fifth place in the latest *Renewable Energy Country Attractiveness Index* rankings, despite experiencing a score decrease overall. However, this was achieved through Italy's fall down the rankings rather than any significant progress reported in the consultant's latest report.

A number of policy announcements were made during the second quarter of 2012 with the aim of establishing “transparency, longevity and certainty” for the UK's renewable energy sector. But the Ernst & Young suggest these policies have fallen short of this objective and, when combined with “ambiguous” messages from the government, have created greater uncertainty.

The draft *Energy Bill* released in May was criticised for containing few decisions on the new contract for difference feed-in tariff scheme and for not setting out concrete plans for it. The consultant also said little has been done to dispel the “fear” the *Energy Bill's* provisions could prompt a “dash for gas”. Other significant policy announcements during the second quarter included the finalisation of the Renewables Obligation Banding Review, which saw level of financial support cut for a number of technologies.

Offshore leads the way

There were positive developments in the UK's offshore wind sector with government approval of Centrica's 580MW Race Bank project and Warwick Energy's 560MW Dudgeon development. Centrica and DONG Energy also submitted initial proposals for a 2.2GW offshore windfarm in the Irish Sea.

Yet these developments were partially offset by Vestas cancelling plans to build a factory in the UK to produce its 7MW offshore turbines. Ernst & Young said they thought this decision demonstrated that foreign investors remained sceptical about the government's commitment to the offshore wind sector.

China on top

Leading the table was China, which quadrupled its solar capacity target to 50GW by 2020. The US fell a point-and-a-half due to continued uncertainty over the country's long-term renewable energy strategy and the upcoming elections, which have led to policy “grid-lock” in the country. It remains in second place with Germany, which increased a point as a result of its government promoting offshore wind development.

Ernst & Young

Tory wind power criticism dismissed as hot air

The wind energy debate should be based on evidence, according to the Institute of Public Policy Research (IPPR).

The think-tank's *Beyond the Bluster: Why Wind Power is an Effective Technology* report was published in response to well-publicised scepticism from a group of Conservative MPs who called for sharp cuts in subsidies.

The report, issued late-August, noted their recent claims that wind power is “inefficient and unreliable” are unfounded. Instead, it argued the global market for low-carbon technologies is continuing to grow rapidly and wind power can deliver massive benefits. Britain is described as having the greatest potential of any EU country, both onshore and offshore, and, most significantly, the report concluded the UK's current electricity system could accommodate up to 30GW of wind generated power by 2020 – slightly more than the 28GW the government expects to be online by that time.

IPPR

Incentives revealed as government finalises FiTs for small-scale renewables

Revised feed-in tariff (FiT) rates for a range of small-scale renewable energy technologies, designed to “provide long-term certainty” and incentivise certain technologies, have been unveiled by the government.



The new levels of support for wind, micro-combined heat and power, hydropower, and anaerobic digestion were issued mid-July as part of the government’s response to its own consultation on the second phase of the FiT scheme for non-solar photovoltaic generators.

To incentivise new projects, the rates awarded to micro-combined heat and power will increase from 10.5p/kWh to 12.5p/kWh. Subsidies for 100kW–500kW hydro-electric projects will rise from 12.2p/kWh to 15.5p/kWh. However, rates for other technologies were reduced – small-scale wind projects up to 100kW will see the biggest reductions.

The changes will take effect for new installations from 1 December 2012.

Government

Marine and tidal technologies given subsidies boost following RO review

The government has confirmed the large-scale renewables subsidies for 2013– 2017 in England and Wales following a review of the Renewables Obligation (RO) bandings.

Support levels for select marine and tidal technologies will more than double from two Renewable Obligation Certificates per MWh of electricity generated (Rocs/MWh) to 5Rocs/MWh. A new band to support existing coal-fired plant converting to biomass has also been introduced, but subsidies for onshore wind will be reduced by 10% to 0.9Rocs/MWh – this award will stand until 2014 when it will be reviewed if development costs continue to fall. Support for offshore wind starts at 2Rocs/MWh in 2013, but will be gradually reduced over the next decade as the cost of the technology falls.

The government has estimated these changes could result in £25bn of new investment up to 2017 across a range of renewables technologies, supporting jobs and reducing costs for consumers. By 2017 it has estimated the package could deliver 79TWh of additional renewable electricity per year.

Government

Carbon pricing insufficient to break UK’s “lock-in” to fossil fuels, says think-tank

Breaking away from a high-carbon energy system will require “smarter” government intervention, according to Sussex Energy Group director Jim Watson.

Writing for the Institute of Public Policy and Research’s (IPPR) *Complex New World* book, published late August, Watson said “highly targeted” policies to support innovation, low-carbon investment, and energy efficiency were necessary to ensure the UK is not locked-in to a higher-carbon energy system. In particular, Watson cautioned against being overly dependent on carbon-pricing mechanisms. Instead he said investment in low-carbon infrastructure would begin with “stronger” and “clearer” policy incentives. Watson recommended the establishment of new institutions that would be able to focus specifically on low-carbon investment. While the Green Investment Bank was cited as the kind of “institutional innovation” that could help the UK overcome its high-carbon “lock-in”, its lack of borrowing powers through to 2015 meant it would operate “more like a green fund”. He also said the government needed to pay more attention to consumer engagement and demand-side measures.

IPPR

Urban&Civic submits plans for Alconbury Weald

A place to make, a place to grow

About us

The company is a new, private equity-backed property group dedicated to enabling and delivering strategic development in key growth areas of the UK. In August, Cleantech founder member Urban&Civic submitted its proposals to create a dynamic new living and working environment at Alconbury Weald.



Planning for change

The plans for the largely brownfield former airfield to the north of Huntingdon have been developed during three years of discussion with local partners, businesses and communities. The work undertaken is captured in a 6,700-page Outline Planning Application, which includes 11 supporting documents and 118 annexes of additional information. The Planning Application proposes up to 5,000 dwellings and 3mn sq ft of employment floor space, along with 700 acres of open space, and significant investment in community facilities and low-carbon transport and energy infrastructure.

Central to the proposal is the 150-hectare, government-backed Enterprise Zone, which provides a range of support and incentives for businesses. Working with the Greater Cambridge Greater Peterborough Local Enterprise Partnership and Huntingdonshire District Council, Urban&Civic are developing a high-quality, low-carbon Campus, which will provide flexible and bespoke space for a range of companies. The Zone has already been approved in principle and enjoys simplified planning as part of the benefits to business.

Work is already underway on early infrastructure for the Enterprise Campus and the first tenants are being signed-up. An application has also been submitted for an incubator building at the heart of the Enterprise Campus to support small and start-up businesses.

Urban&Civic has been in discussion with Cambridge Cleantech about how the development of the site and the business opportunities arising that could provide a real opportunity to support Cambridgeshire's growing cleantech economy.

An event is being planned for later in the autumn to share further information and discuss opportunities for companies to make the most of this transformational development.

Next steps

The *Outline Planning Application* will be determined by Huntingdonshire District Council, following a period of formal consultation.

A full copy of the application documents and consultation plans can be found at www.huntingdonshire.gov.uk/alconburyweald. Urban&Civic have produced disc versions of the Application and an Application Guide which are available from sk@urbanandcivic.com.

Further information is also available at www.alconbury-weald.co.uk. If you want to talk to anyone about the plans for the Enterprise Campus please contact Tim Leathes on 0207 569 1611 or email tl@urbanandcivic.com



China comes to town in sell-out event

A major conference looking at opportunities with China took place in Cambridge on 18 September. The focus was on cleantech and life sciences. Among the delegates were a 20-strong Chinese and Hong Kong business group led by chairman of the Hong Kong Science and Technology Parks, Nick Brooke.

Others attending included Cambridge University’s business school benefactor Sir Paul Judge, GE Energy chief executive Albert Wong, Professor David Cope, Hermann Hauser, and director of AstraZeneca Jeanette Evans. Delegates were talking about how Cambridge technology can help provide solutions to ensure the sustainable development of the Chinese economy.



Left to right: Nick Brooke, Paul Judge, Martin Garratt, Hugh Parnell (Alan Bennett/ Media Imaging Solutions)

Chief executive of Cambridge Cleantech Martin Garratt said: “With over 100 business leaders at the dinner and more than 150 at the conference, both events were at full capacity, clearly demonstrating the appetite among businesses to explore opportunities for doing business in Hong Kong and China. The thrust of the conference was about two-way trade opportunities, which could mean Chinese companies investing in the Cambridge area. Cambridge Cleantech firmly believes that Cambridge has to continue to trade globally and look for opportunities in the growth markets which must include China and Hong Kong.”

Cambridge News

Cambridge – a smart Future City?

Cambridge is bidding to win £25mn to spend next year to help move towards a “future city”. The bidding team would value your ideas and input now.

Why are ideas for projects being asked for?

The Cambridge Future City project has been funded by the Technology Strategy Board to complete a feasibility study for Cambridge as a “Future City Demonstrator”. Cambridge succeeded, with 29 other cities, in a first round competition and is now competing to become the single UK demonstrator city with a prize worth £25mn. More [here](#).

The Cambridge Future City study is led by Cambridgeshire County Council with support from district councils, the universities and industry groups including Cambridge Cleantech.

What kinds of projects?

Cambridge Future City focuses on improving transportation, resource management, transparency and digital engagement across the urban area. Key challenges to prosperity and quality of life in and around Cambridge are business growth and connectivity, housing, transport, water and energy.

Your ideas

If you have ideas, please share them with the Cambridge Future City Collaboration team before 30 October 2012—the bid is on a fast track so quick submissions would be even better!

Ideas need not be fully developed and any demonstration projects may combine several ideas. Ideas which may not be possible to implement immediately may still be of interest for planning for the long term.

How should you send your idea?

Please send an email to liz.stevenson@cambridgeshire.gov.uk



Clean Energy Investor Summit

Deals and opportunities

About us

New Energy World Network's Envirotech and Clean Energy Investor Summit has established itself as the pre-eminent event for networking. The industry's most active and influential investment decision-makers, financiers, company leaders, entrepreneurs and technology pioneers continue to attend, with sold-out events in 2009, 2010 and 2011.

London, 7-8 November 2012

...essential deal leads & new business opportunities



Connect with the world's most valuable network of investors, innovators & deal makers

See us there

This year's Summit will be held on 7–8 November in London and addresses the growth and financing challenges faced by emerging environmental and clean technology companies, and the strategic issues occupying the leading energy companies.

The agenda will focus on key issues of growth, investment and new business opportunities concerning emerging start-ups, established businesses and international corporates. But will also address the whole investor spectrum of private equity and venture capital firms, asset management firms, listed company investors, corporate investors, corporate acquirers, hedge funds, project financiers, family offices, pension funds, endowments, foundations and impact investors.

We are delighted to offer a 15% discount to Cambridge Cleantech members.

To take up this offer please contact Luke Short on LShort@NewEnergyWorldNetwork.com and use the discount code CTC-SUMMIT2012.

To learn more about the event and offers please go to www.envirotechinvestorsummit.com/2012/

Give us your views!

Quick Customer Survey

This is the fifth *Cambridge Cleantech en-vision* newsletter produced in association with Cornwall Energy and we would appreciate a few minutes of your time to complete a quick survey and give us your views.



cornwallenergy

Draft Energy Bill gets less than warm reception

The government has laid plans in parliament for a radical shake-up to the UK electricity market, but parliamentarians have raised concerns over the measures it will introduce.

Introducing the draft *Energy Bill*, which encompasses the government's Electricity Market Reform (EMR) proposals, earlier this year energy and climate change secretary Ed Davey said it was "game-changing" and a "world-leading agenda". He maintained that without the reforms the UK would be unable to "keep the lights on", but added that the package would also boost low-carbon industries and reduce consumer exposure to volatile gas prices and imports.

However, in its 82-page report issued in the summer the Commons energy and climate change committee suggested the *Bill* in its provisions for delivering EMR risks locking the UK into a higher carbon electricity generation mix. The committee also warned that the *Bill* could impose unnecessary costs on consumers, reduce competition in the market and deter investment. It suggested interference by the Treasury is the root cause of a number of these problems and had resulted in an "over-complex" and "unworkable" policy. But the lack of detail surrounding a number of the proposals also came under fire.

These views were broadly echoed in the Lords report released about the same time, which recognised the need for reform and acknowledged that any means of restructuring markets will raise concerns as "unfamiliarity appears as complexity". But peers raised "serious doubts" the reforms will deliver a competitive electricity market – and will therefore act to increase prices for consumers.

The aim of the *Bill* is to stimulate over £100bn of investment in electricity infrastructure and secure the UK's energy supplies. It will do this via three mechanisms.

The first is the introduction of contracts for difference feed-in tariffs (CfD FiTs). These will replace existing subsidies for large-scale renewables projects (i.e. the Renewables Obligation) from 2017. Secondly, a capacity mechanism in the form of a capacity market will be established to ensure there is sufficient reliable and flexible power generation capacity to meet demand on days of low wind, at the lowest cost to the consumer. Alongside these measures, the government will impose an emissions performance standard of 450g/kWh on power stations – effectively banning the construction of any new coal-fired power plants without carbon capture and storage capability.

The final *Bill* is expected to be introduced to parliament in the autumn.

Committee

Lords

Government calls for evidence on onshore wind costs

The latest cost figures for the technology are under now officially under review by the government.

Following the government's confirmation of its intention to reduce levels of support for onshore wind in England and Wales to 0.9Roc/ MWh after April 2013, on 20 September the government requested in its *Onshore Wind Call for Evidence* the latest figures on costs for onshore wind generation. This is in acknowledgement of the potential variability in the predicted 3.6% fall of capital costs to onshore wind by 2016.

If the submitted findings show one or more of the statutory grounds for a review exist (e.g. a significant change in generation costs), the government would be forced to initiate an immediate review of onshore wind support levels. Any subsequent changes would be enforced from April 2014 at the earliest. If a revision of support levels were to occur, then the setting of future strike prices for contracts for difference feed-in tariffs (CfD FiTs) will be taken into account. In addition, DECC plans to undertake a separate research study to examine UK onshore wind remuneration levels against those of other countries, with the results published alongside the final report. The final report on costs will be published in May 2013, including a decision on whether a further review of Roc subsidies is necessary.

Responses are requested by 15 November.

Government

Grant update

The grant funding landscape is complex and ever-changing; the following offers a snapshot of the opportunities most directly relevant to cleantech companies at this moment. There are also “general purpose” schemes that cleantech companies can use.

Government Energy Entrepreneurs Fund – assessment dates 28/9/12 and 31/10/12

Under the first phase of this scheme, the government has £16mn available to support the development and demonstration of innovative, new technologies, products and processes in the areas of energy efficiency and building technologies, and power generation and storage. It is aimed particularly at SMEs and will also provide advisory support to successful applicants (“incubation support”) to help take the innovation to market. Innovative small enterprises can in principle receive 100% funding of up to €1mn, although some match funding is preferred. Larger companies, consortia and universities have to provide match funding at a level that depends on their size and whether it is a consortium or not.

Further information [here](#).

Energy-efficient computing – closing date for registrations 28/11/2012

The Technology Strategy Board, Engineering and Physical Sciences Research Council, and Defence Science and Technology Laboratory have £1.25mn available to part-fund feasibility studies to encourage technologies that can reduce the mounting energy burden of computing and communications devices and systems.

This competition focuses on the design and development of energy-efficient hardware and software, not only for large-scale systems relying on computing capacity but also for mobile devices and embedded chips. These feasibility projects must be undertaken by a consortium of at least two partners, one of whom can be an academic institution but they must be led by a business, which can be of any size. Projects are expected to last 6–18 months and can attract public funding of up to 75% with a maximum grant of £100,000 for an individual project.

Further information [here](#).

Energy harvesting for autonomous sensing – closing date for registrations 28/11/2012

The Technology Strategy Board is launching a collaborative research and development feasibility and demonstrator competition, with up to £1mn to invest in projects using low-power energy harvesting technologies for autonomous sensing. This initiative will help companies explore the opportunities created by energy harvesting to extend the life of batteries in devices or to eliminate the need for batteries altogether. These feasibility and demonstration projects must be undertaken by a consortium of at least two partners. One of these can be an academic institution but the project must be led by a business, which can be of any size. Projects are expected to last 6–18 months and can attract public funding of up to 75% with a maximum grant of £100,000 for an individual project.

A briefing day for potential applicants will be held on 23 October 2012.

Further information [here](#).

If you wish to explore the options for grant funding for your business or need help with the preparation of grant funding applications, feel free to contact Alex Smeets of Cambridge Funding Solutions on 07718 520168 or alex@cambridgefundingsolutions.co.uk

Cameron reshuffles Cabinet

Charles Hendry MP has been removed from his role as energy minister, Downing Street confirmed early-September. Hendry will be replaced by John Hayes (Conservative, South Holland), who has been serving as minister for further education, skills and lifelong learning since 2010.

On his appointment Hayes said the UK faces “a major challenge to keep the lights on” in the most “cost-effective way”. But he stressed the UK must not become overly reliant on any one technology, and would require a “balanced” low-carbon energy mix. He added he was keen to work with businesses to secure much needed investment, and “looked forward” to working with parliamentary colleagues to ensure the passage of the government’s *Energy Bill*.

RenewableUK welcomed Hayes to his new role, noting he has a “wealth of experience” in providing “the right training for the workforce of the future” from his previous position.

The Cabinet reshuffle will also see former Northern Ireland secretary Owen Paterson (Conservative, North Shropshire) replace Caroline Spelman as the environment, food and rural affairs secretary.

Government

RenewableUK

Government outlines plans for predictable RHI funding cuts

The government has set out proposals to improve the performance and manage the future budget of the non-domestic Renewable Heat Incentive (RHI) scheme.

In the announcement, made late-July, the government said a flexible degression-based system is “key” to new proposals designed to ensure the effective management of the RHI budget. Under this system tariffs would be reduced for new applicants if uptake approaches pre-determined trigger points. Tests to see whether degression is necessary would take place quarterly, and one month’s notice would be provided in the event of a tariff reduction.

The RHI provides renewable heat generators with a fixed subsidy for each unit of heat generated.

Government

“Easy wins” in environmental sector could boost economy: WWF-UK

The government should focus on the green sector if it wants to “kick-start” the economy, WWF-UK has said.

Director of campaigns David Norman claimed the environmental sector was “already motoring”, as evidenced by its 4%–5% annual growth since 2008, but cautioned the green economy still required “enthusiastic support” from senior ministers. He added the government should focus on “easy wins” such as the Green Deal, the Green Investment Bank, and the growing renewables energy sector.

WWF-UK

Scotland launches pioneering marine energy park

The government recently announced the opening of a new Marine Energy Park in the Pentland Firth and Orkney Waters area.

The park, unveiled late-July, will incorporate the European Marine Energy Centre, which was established in 2003 and represents a site where developers from across the world test a wide range of wave and tidal energy devices. It is hoped the park will build on collaborative relationships between the government and the Orkney Islands, Highlands, and Islands Enterprise to help speed up progress of marine power development.

Climate change minister Greg Barker said the park would bring together local knowledge and expertise to spur on development in the marine and tidal sectors. “Marine power is a growing green clean source of power, which has the potential to sustain thousands of jobs in a sector worth a possible £15bn to the economy by 2050,” he added.

Government

Government sees “win-win” on energy efficiency

Unlocking the full potential of efficiency improvement measures could deliver significant electricity savings, according to a government-commissioned report.

The draft *Electricity Demand Reduction Assessment* published mid-July by the government, concluded annual savings of approximately 150TWh by 2030 could be realised if the UK taps its full electricity efficiency potential. The majority of this exists within the services and industrial sectors, with the biggest potential savings identified in building efficiency improvements, lighting controls and pump efficiency measures.

According to the report, the Green Deal energy efficiency scheme should help deliver a large portion of these potential savings. It also confirmed the government plans to consult further on the matter in the autumn.

Government

Government closes applications for £1bn carbon capture prize

The government has closed its £1bn carbon capture and storage (CCS) competition following “significant interest” from industry. Launched earlier this year, the competition aims to demonstrate the technology as a viable method to abate emissions from commercial-scale, fossil fuel generation.

In the press notice, issued early-July, the government did not name the bidders but stated there has been a “good range” of applications. It is thought the development of CCS technologies could be worth up to £6.5bn to the UK economy. Companies bidding for a share of the funding pot will find out the results this autumn.

Government

November launch for offshore wind sector competitions

Details of two new competitions aiming to stimulate innovation in the UK offshore wind sector have been announced by the government.

It was confirmed in early-September by the government that the competitions will be launched in November for demonstration projects looking to minimise the costs to the UK consumer of offshore wind energy generation. Up to £7mn will be available for businesses or consortia to develop and demonstrate components across the offshore wind system, while £3mn has been earmarked for technical feasibility studies lasting up to a year.

Government

Renewable energy assessments for the nine regions of England

Commissioned by the government, the National Non-Food Crops Centre (NNFCC) recently published a report reviewing the potential capacity that can be generated by renewable technologies in English regions.

Released mid-July, the *Regional Renewable Energy Capacity Assessments: Review of the Renewable and Low-carbon Energy Capacity Methodology* (RLCECM) report found that, in most regions, wind offered the greatest amount of potential capacity, particularly in the East of England, which was noted as having the highest amount of potential for deployment at 75GW (70GW from wind). The North East was said to have the lowest potential capacity at 16GW, while London reportedly has 45GW of potential capacity sourced predominantly from heat pumps.

Government

UK passes 4GW wind energy generation milestone

Windfarms supplying to the grid exceeded 4GW of capacity on 14 September, surpassing the previous record of 3.8GW set in May this year.

Supply from these stations reached nearly 11% of total demand, with a spokesman for National Grid claiming more records will be set each autumn. He explained this was a likely scenario because increasing capacity from renewable sources is set to be added to the grid in order to help the government meet carbon reduction targets.

Businessgreen

Farmers turn to renewable energy amid cost fears

A third of UK farmers are planning to invest in renewable energy over the next two years, claims research published by Barclays.

The survey, issued in early-September, showed that eight out of 10 farmers were motivated by concerns over rising energy costs, while 31% expected moving to renewables to generate an income of up to £20,000 per year. Solar was the most popular renewables source (51%), followed by wind (43%) and biomass (15%).

Barclays

REA integrates compost and biogas association

The Association for Organics Recycling (AfOR) has confirmed it will combine its services with the Renewable Energy Association (REA) by the end of the year.

The move will mean the REA’s membership will exceed 1,000 businesses and individuals for the first time. AfOR managing director Jeremy Jacobs will become the REA’s technical director. REA chairman Martin Wright said in early-September he was “delighted” with the move, which would strengthen the association’s ability to represent the renewables industry.

REA

Rocs make UK “one of the most attractive markets” for advanced gasification

The Renewables Obligation has led the UK to be regarded as “one of the most attractive markets” in Europe for the development of advanced gasification power plants, according to a new study by CHO Power.

The report suggests the UK will need to construct 107 of the treatment facilities by 2030 if the EU is to meet its renewable energy targets for 2030. A total of 650 new plants will have to be built around the EU, which would amount to 6,501MWe of installed renewable electricity capacity.

The UK would represent more than 16% of this market, with 1,083MWe of installed capacity.

CHO Power

Small-scale waste project to profit from Green Investment Bank funding

A £21mn project to build a food and green waste processing plant in Dagenham will be the first in the sector to receive funding from the Green Investment Bank.

Through its UK Green Investment arm, the Green Investment Bank has appointed two specialist fund managers to provide £80mn of investment in small-scale waste infrastructure. One of these fund managers, Foresight, is to invest £2mn in the waste project, which will be matched by a further £2mn of private sector funding.

Business secretary Vince Cable said in early-September the funding sent a “clear message” to the market and to potential co-investors that the government is committed to investing in the UK’s green infrastructure.

Government

World’s largest energy-from-waste facility to be built in UK

Air Products has confirmed it will build and operate the world’s largest advanced gasification energy-from-waste plant near Billingham, on Teesside.

The plant will have an approximate capacity of 50MW and will divert up to 350,000t of non-recyclable waste from landfill every year. Deputy prime minister Nick Clegg said Air Products’ announcement reflected the UK’s “stable” and “transparent” environment for investors.

Air Products