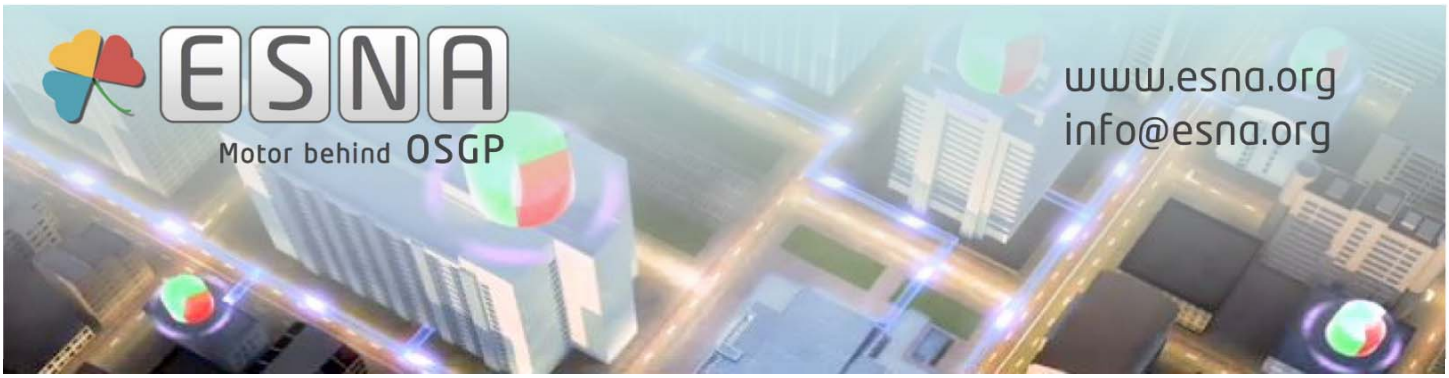

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Content:

Member news

Market news

Meet ESNA and its members at the following events

- 31 May-1 June 2011; IET - Smart Grids: Transforming generation, distribution and consumption
- 01-02 June 2011; Smart Grid Technology Conference 2011 in San Jose, CA
- 02-03 June 2011; Synergy Smart Metering UK & Ireland in London
- 07-08 June 2011; Fleming Europe – The 2nd Annual Smart Grids – Smart cities in Lisbon PT
- 09-10 June 2011; 2nd Annual Smart Grid China Summit in Beijing CN
- 12-14 June 2011; CIO – Utilities Summit in Scottsdale Arizona USA
- 14-17 June 2011; Oliver Kinross – European Smart metering & Grids week in London, UK
- 15-16 June 2011: SMI – Realisation of the Future Smart grid in London UK
- 15-17 June 2011; Marcus Evans – 4th Edition Utilities Smart Metering & Consumer Engagement forum, Prague CZ
- 21-22 June 2011; IRR-NL – Energie metering & billing in Breukelen NL
- 23-24 June 2011; CIR Smart Grids & Cleanpower Conference in Cambridge UK
- 28-29 June 2011; IQPC – Smart Utility Summit 2011 in London UK
- 29-30 June 2011; IIR Poland – Front office and supporting tools – Energy sector in Warsaw PL
- 06-09 Sept. 2011; Oppland – 2nd Annual Asia SMARTricity congress 2011 in Tianjin, CN
- 13-16 Sept. 2011; SZ&W World Smart Grid – India Week 2011 in Mumbai IN
- 14-16 Sept. 2011; CDMC - 3rd Annual China Smart grid Forum 2011 in Shanghai CN
- 15-16 Sept. 2011; 2nd Annual Smart grid technology Conference 2011 in Amsterdam, NL
- 21-22 Sept. 2011; ACI – Smart Grids: Vision, Strategy, Implementation in London UK
- 21-22 Sept. 2011; SMI – Telecoms for Smart Grid in London UK
- 22-23 Sept. 2011; Terrapinn – Power generation World Caspian 2011 in Baku, AZ
- 27-28 sept. 2011; The Cyber Security for Energy delivery Conference in San Jose USA
- 04-06 Oct. 2011; Metering Europe 2011 / Smart homes 2011 in Amsterdam NL
- 18-19 Oct. 2011; InnoQube Global Renewable Energy development in Brussels, BE
- 18-20 Oct. 2011; SZ&W World Smart Grid – Middle East Conference 2011 in Dubai UAE
- 07-10 Nov. 2011; Smart Power Europe – Europe's leading Power Forum in Copenhagen, DK
- 08-09 Nov. 2011; Energy & Utility Cyber Security Summit in Amsterdam, NL
- 08-10 Nov. 2011; Intelligent Cities Expo 2011 in Hamburg DE
- 08-11 Nov. 2011; SZ&W World Smart Grid – China Focus 2011 in Beijing CN

Member News

EVB Energy Solutions - Potential savings due to procurement optimisation with variable tariff structures.

Reporting challenges and recommendations for utilities.
From 30/12/2010 onwards utilities are obliged, in accordance to § 40 paragraph 3 of the EnWG, to offer an electricity tariff in which "incentives for energy saving or energy management" are included. These incentives mainly refer to time- or load-depending tariffs.
In general, the developments of Smart Metering solutions and tariff-scheduling models are still very moderate. Most of the current offers are limited to simple two-or three-stage tariffs with web portal and energy-saving tips.
For Utilities, variable tariffs can only be of direct economic advantage (which they can offer, partly or completely to their clients in the form of incentives and tariff differentiation), if they have adapted their procurement - and their load-profiling, accordingly to these time and load-depending products.

To move to this situation the utility will need internally a differentiated portfolio management and procurement, while externally the load-profiling and legal metrology rules need to be changed.
In particular the standard load-profile procedure (SLP) for households and commercial customers need to be modified in such a way that it takes into account the consumption profiles of individual customers or customer segments. In its 2010 monitoring report the German Federal Network Agency (Bundesnetzagentur) outlined such a procedure already. It is likely that in the next regulatory period the described or a similar procedure will be implemented.
In this regulatory period and in competition with each other, the utilities will develop differentiated Smart Metering products and variable tariff structures:

- To attach existing and to attract new volume and economically attractive customers
- To realise additional margins due to the procurement optimisation.

This report examines for utilities the requirements for a sustainable power supply and possible optimisation measurements.
This report will investigate, based on analysis of realistic metering data:

- The potential savings due to procurement optimisation, using variable tariff models, possible thanks to Smart Metering.
- The challenge of procurement optimisation integrated in all relevant processes.

In the recommendations for utilities, procedures how to get access to these potential savings due to procurement optimisation will be included.

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For more information please contact Sina Luckhardt…
To read the summary in German…
To read the summary in English…

Echelon's Control Operating System (COS) Software Now Enables Fortum to Reach Beyond the Smart Meter

New COS-enabled modules use Echelon Power Line and ZigBee® communication links to promote energy awareness and consumer choice
Echelon Corporation announced that its Control Operating System (COS) software will run on new optional Echelon® open-standard power line and ZigBee® communications modules now available for NES smart meters. The new modules, CNX 3000 for power line and CNX 2000 for ZigBee, enable utilities to easily and reliably connect to a range of building information and control devices such as In-Home Displays (IHD), thermostats, load controllers, motion detectors and temperature probes via the NES smart metering infrastructure. This, in turn, allows electric utilities to use the Echelon COS software to provide new energy efficiency opportunities, while further improving customer satisfaction by giving building owners and consumers insight into energy usage patterns and control over their energy consumption. Fortum, the largest utility in Finland and a leading energy company in the Nordic countries, Russia and the Baltic region, is currently piloting the COS-enabled CNX 2000 and preparing for a CNX 3000 pilot in Finland, and has plans for full production rollout of CNX 3000 and CNX 2000 in 2012.
"The earliest smart meter deployments are reaching completion and a raft of new deployments are starting," said Stuart Ravens, principal analyst of Ovum and lead author of the new report 'Home Area Networks: the Future Battleground for Consumer Relationships', in a statement. "However despite the significant strides utilities have made in delivering value to consumers from their deployments, it is becoming clear that there is yet more opportunity for the utility to engage this most important constituent of the smart grid. With its COS-enabled technology, Echelon has extended its reach into the home, making consumers more aware of their energy consumption and more active in the smart grid of the future."

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Telvent Honoured with First Annual Smart Grid Excellence Award

This first annual award recognizes Telvent's Titanium solution for outstanding innovation in smart grid technology
Telvent announced that it received a 2010 Smart Grid Excellence Award for its Telvent Titanium smart grid solution. The award was presented by the Technology Marketing Corporation (TMC) and Intelligent Communications Partners (ICP).
Debuting this year, the Smart Grid Excellence Award recognizes outstanding innovation across all facets of smart grid for companies that enable smart grid deployments for utilities. Telvent won for its Titanium solution, a smart energy services platform that enables Telvent to deliver both rollout services to configure and deploy AMI devices and smart energy information services based on data retrieved from metering infrastructure, which helps utilities lower operations cost and improve end-customer services provision.
According to Telvent's chairman and CEO, Ignacio Gonzalez, "As an industry leader in providing smart grid solutions that help utilities cut costs, optimize network efficiencies and improve customer satisfaction, we are honoured to receive this recognition. This award is a true testament of our dedication to a sustainable world."
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Fortum White Paper – Their view on Smart Grid development

Smart grids and competitive, liberalised and integrated energy markets will be key enablers for the implementation of the EU energy policy. The smart grid concept is more than a technology; it is also about new market models, regulation and increased activity on the customer side. It can be seen as the final step in liberalization of the end-customer market by bringing all the benefits of the dynamic and competitive wholesale market also to retail customers. In order to guarantee necessary investments in the development of new grid technologies and in the implementation of smart grids, a proper regulatory framework is needed.
Fortum is of the opinion that:
• Efficient network regulation is an important vehicle for driving European development towards a highly modernized grid, thus benefiting European customers as a whole. The regulatory framework should create necessary incentives for operators to develop and implement smart grids where it is economically viable.
• Although electricity distribution is still subject to national regulation, there should be efficient coordination between countries operating in the same regional wholesale electricity market on regulatory framework and standards concerning e.g. tariffs and consumer protection aspects in order to support the development of cross-border retail market and to avoid market distortions.
• A clear EU-level policy, including common standards for smart grids and smart metering, are needed to ensure interoperability across the network and across countries.
• Technological innovation is of utmost importance both in terms of reaching the ambitious energy and climate policy targets and improving European competitiveness. Whereas energy production should not be based on long-term public financing, it is important to allocate necessary funding for research and development of new energy technologies such as smart grids.
• Public support for research and development of smart grids and ICT systems that enable businesses to utilize innovative service arrangements to improve their efficiency and enhance their services to customers, including large-scale demonstration projects, is therefore needed. The European Commission should secure the necessary financing for the implementation of the SET-Plan's (EU Strategic Energy Technology Plan) Smart Grid Initiative (EEGI = European Electricity Grid Initiative) and Smart Cities Initiative in the forthcoming EU Research and Framework Programme (FP8).
• Supporting the transition process from R&D over demonstration to full deployment of smart solutions should be one of the future tasks for national regulators.
• All major stakeholders should be involved in smart grid projects in order to define a concept for a smart grid system that fulfils simultaneously the requirements of end customers, society and industry

and to ensure that Europe's electricity networks develop in a way that enhances Europe's competitive position without compromising environmental objectives or the commitment to sustainability.
• Consumer protection aspects, especially legitimate concerns relating to the protection of personal data and privacy in the implementation of smart meters and smart grids, need to be tackled properly in order to guarantee public acceptance of these technologies. Clear European wide rules as regards data to be collected, data storage and use of data etc. are needed.
• Energy market models for European-wide energy markets should support open retail and wholesale business in the EU with limited restrictions in transmission capacity, thereby enabling open interfaces for all actors in the electricity business.

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Oracle Utilities White Paper - Smart Grid Challenges & Choices, Part 2: North American Utility Executives' Vision and Priorities

Utility executives say that their top priorities for the next 10 years will be improving service reliability and controlling customer costs
While the majority believe customer buy-in is key to smart grid success, less than half are preparing their customers for the change

- While 71% of utilities say securing customer buy-in is a key step needed to drive the success of smart grid, just 43% say they are educating their customers on smart grid's value proposition
- Additionally, three-quarters of utilities rely on one-way customer communication via mail and/or Web sites. Few use social media or other channels to engage customers in a two-way discussion

Looking ahead, executives see increased service reliability and improved collaboration with customers; but do not expect all customers to embrace the new technology

- Utilities that have implemented pilot programs or system-wide deployments anticipate that just 38% of customers will take advantage of energy conservation programs* once available
- Utilities must exchange information –both with customers and peers –to move smart grid forward

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Eltel signs a multi-million euro contract with Fingrid

Eltel Transmission Finland and Fingrid have signed on 26.4.2011 a contract on changing of earth wires for 400 kV lines during 2011-2012. The contract comprises replacement of 1100 km earth wire of which 400 km is optical ground wire (OPGW). These 5 lines are part of a critical interconnection between Finland and Sweden and are located in northern Finland. Fulfilling the required outage targets are of paramount importance in the contract. During the outage period the line under work is out of operation.
The need for replacement of old earth wires made of steel arises from a need to limit hazardous voltages close to the lines. The new earth wire type is made of steel reinforced aluminum alloy. The use of OPGW for certain sections is based on enhancement of communication lines.
"The new contract will be the third earth wire replacement project engaged by Fingrid and won by Eltel Transmission Finland. In the previous two projects all the outage targets were fulfilled. The client has also appreciated the high quality of delivered materials and our stringing works. In the latest completed project Eltel's performance using Fingrid's own scoring system awarded Eltel 26 points out of maximum 29 points, classifying Eltel as a "5 Star" Contractor", says Tapio Leskinen, director of Eltel Transmission Finland.

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GÖRLITZ - The Road to European Standards

The big day is in April 2010, the first set of valid pan-European specifications for a communications protocol in the smart metering sector will be published. Last year the European Commission issued a mandate concerning intelligent meters to the standardisation organisations CEN, CENELEC and ETSI. The objective: Creating European standards to guarantee the interoperability of utility meters

for electricity, gas, water and heat in an open architecture.
Other merchandise have had it easier, take bananas for instance; Commission Regulation (EC) No. 2257/94 of September 16 1994 lays down quality standards for the fruit. Smart meters in stark contrast have over 120 different standards presently vying with each other throughout Europe. The result of this proliferation: "Obviously an adverse effect, there are more bananas than smart meters in Europe today", joked Ralf Hoffmann. Mr. Hoffman, Chief Strategy Officer and Vice-President of the GORLITZ Group in Koblenz and Vice-President of the manufacturers' organisation ESMIG (European Smart Metering Industry Group) has been active for several years in promoting European standardisation and is currently the speaker and chairman of the working group Communication for the European standardisation mandate M/441.
The EU Commission recognised the need for the harmonisation of standards in this sector and commissioned the organisations CENELEC (European Committee for Electro-technical Standardization), CEN (European Committee for Standardization) und ETSI (European Telecommunications Standards Institute) to adopt uniform regulations throughout Europe for smart metering technologies, protocols and processes. The organisations draw upon the expert knowledge of manufacturers and users. The purpose of the mandate M/441 is "the development of an open system architecture for utility meters involving communication protocols that enable interoperability". However obsolete standards and the lack of new ones impede the rapid implementation of smart metering solutions in Europe.
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To download the White Paper…

EATON - From the Solar Module to the Grid Supply – Safety from Eaton

As one of the leading manufacturers of components and systems for electrical engineering and automation, Eatons Electrical Sector EMEA is presenting at the Intersolar 2011 fair a wide range of products and solutions, which help the safe and efficient use of electrical energy.
Safety, from the solar module right through to the grid supply, plays a key role in the photovoltaic sector, where nothing is more important than investing in the right technology from the start. Eaton supplies all the products required for safely transporting the energy from the solar modules to the grid: The reliable protective, isolation and monitoring devices ensure the safe operation of the photovoltaic installation, as integrated or external disconnection devices in automated or manual operation, for both the DC and the AC circuits.
Solar inverters
This year at the Intersolar 2011 fair Eaton is presenting the expansion of its solar inverter product range for the first time. The new products are for the rated power class 10kW, 15kW and 20kW. All power inverters have a very high efficiency of over 98 % and are available with IP65 (10kW) or IP55 (15/20kW) protection. An integrated LCD display shows the entire status information. All variants are easy to install and equally easy to operate.
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Telvent Selected to Implement Distributed Control System for Solar Thermal Power Plant in Abu Dhabi

Smart grid solution will increase power plant efficiency while maximizing reliability for customers
Telvent announced that it has been selected to design, install and manage the distributed control system (DCS) for Shams Power Company's Shams-1 solar thermal power plant in MadinatZayed, 75 miles (120 kilometers) southwest of Abu Dhabi in the United Arab Emirates. This joint venture of Masdar (60%), Total (20%) and Abengoa (20%) selected Telvent's solution to control and operate one of the world's largest concentrated solar power projects and the first of its kind in the Middle East. Extending over an area of approximately 1.5 square miles (2.5 square kilometers), the plant will generate 100 megawatts of power from 768 parabolic trough collectors.
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E.ON brochure: Energy gets smart.

The world's energy appetite continues to grow. At the same time, there's an urgent need to tackle climate change, which means deriving much less energy from fossil fuels. We also need to keep energy affordable and maintain a balanced energy mix. To meet these challenges successfully, we need a smarter energy system. At E.ON, smart energy is more than a vision of tomorrow. We're making it happen, by developing and deploying the technologies, products, and services that will have the most positive impact. Along with rapidly expanding our renewables capacity, we're devoting substantial resources to three key areas: energy efficiency, e-mobility, and smart grids. Smart solutions for homes and businesses will empower consumers to use energy more efficiently and to manage their usage more actively. More consumers will soon be able to use their mobile phone to control the heat in their home—so they can return to a warm living space without wasting energy while they're away.
Mobility will become smarter, too. Over the next decade, the arrival of millions of electric vehicles will make Europe's transport sector less carbon intensive and its cities cleaner and quieter. Moreover, the batteries of these vehicles will constitute a large distributed storage system that will enable us to manage the intermittent output from renewables more efficiently.
The complex energy flows of an increasingly decentralized energy system will require a power grid that's been upgraded with sensors and information and communications technology. The smart grid will play a key enabling role in the transition to a low-carbon future.
This brochure describes some of the challenges we face, the smart solutions we're developing to meet them, the progress we've made so far, and the steps that are yet to be taken. We hope you enjoy reading it and that you'll join us in the journey to a smart energy future.
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To download the brochure…

Ferranti – Meter Data Management

Meter Data Management focuses on data quality and controlling the information flood that utility companies constantly face.
Manual Meter Reading
Advanced Metering Infrastructure handles all aspects of meter data collection. It can communicate with any automatic or smart metering device, and organizes the manual meter reading processes. Meter readers can use MECOMS™ on wireless portable terminals for their meter reading rounds. Both regular rounds and on demand reading requests are handled through MECOMS™ Mobile. These portable devices give meter readers access to relevant information (such as meter location within a building). Furthermore, meter readings are validated immediately when entered in the device
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Duke Energy to Acquire Wisconsin Wind Farm - Company Will Surpass 1,000 Megawatts of Wind Power

Duke Energy will acquire a 20-megawatt wind farm in operation in Wisconsin.
Duke Energy Renewables, a commercial business unit of Duke Energy, agreed to purchase the Shirley Windpower Project from a subsidiary of Central Hudson Enterprises Corporation on May 24. The wind farm is located on approximately 500 acres of leased land in Glenmore, roughly 30 miles southeast of Green Bay.
The Shirley Windpower Project, which began commercial operation in December 2010, sells all of its output and associated renewable energy credits to Wisconsin Public Service Corporation under the terms of a 20-year power purchase agreement. The eight Nordex 2.5-megawatt (MW) wind turbines that comprise the Shirley Windpower Project are capable of generating enough electricity to power approximately 6,000 homes.
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Green Energy Options (GEO) partners with Fortum, Finland to support new smart metering trials

Energy consumers in Finland have been given the opportunity to trial new smart meters, as the Finnish utility company Fortum launches a new small-scale pilot using communications modules from Echelon. As part of the pilot Fortum are using the ZigBee Smart Energy certified Solo allowing consumers to see what energy is being used in their home in real-time and take control of their usage.

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Alliander - A Dutch cure for pollution: free parking

AMSTERDAM — To help encourage the take-up of electric cars, the city of Amsterdam is appealing to the psyche, and wallet, of many a motorized urban dweller – it is giving away a free, on street parking spot to anyone who buys one.

Under a plan started in 2009 and now picking up steam, electric car owners receive a space near their residence that comes with a charging station installed by the city. The city is also giving away the electricity to the vehicle owner. And, as an added green touch, Amsterdam claims that all the electricity that feeds the charging posts comes from green sources such as solar, wind and waste-based biomass.

Amsterdam launched the scheme in 2009, when few electric cars were available. At the time it planned to install 200 charging posts by 2012, but it has already hit that target, aided in part by the Dutch government's waiver of road tax on electric cars and certain hybrids. The city has now started adding another 1,000 charging posts, according to Pieter Swinkels, a spokesman for city's air quality department. Amsterdam wants 5% of the cars in its city to electric by 2015, which would be about 10,000 cars. The free parking runs at least through 2012, and could be extended, he said.

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Market News

Landis+Gyr to be Acquired by Toshiba for US$2.3 Billion

Landis+Gyr announced that Toshiba Corporation has entered into a definitive sale agreement with the shareholders of Landis+Gyr, under which Toshiba, one of the world's leaders in electronics and power systems, will acquire Landis+Gyr, the global leader in energy management solutions for utilities, for US$2.3 billion in cash, to build the world's Smart Grid leader.

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Duke Energy and ENN Group Sign EcoPartnership at U.S. State Department

U.S. Secretary of State Hillary Rodham Clinton presided over a signing ceremony in which Duke Energy and China-based ENN Group joined forces to form an EcoPartnership with the city of Charlotte, N.C., and the Chinese city of Langfang in Hebei Province.

The EcoPartnership program is administered by the U.S. Department of State and the People's Republic of China's National Development and Reform Commission (NDRC).

This EcoPartnership agreement follows a Jan. 18, 2011, announcement of a Duke Energy and ENN collaboration on the development of green cities in China and the U.S.

The EcoPartnership will focus on cleaner energy generation, smart grid technologies, energy storage and energy efficiency solutions.

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CER - Smart Metering Cost-Benefit Analysis and Trials Findings Reports

The CER has published Smart Metering Information Paper 4 (CER 11/080), which highlights the publication of a number of key reports that will be used to inform future decisions regarding electricity smart metering for residential consumers and SMEs in Ireland. These reports, which have been produced as part of Phase 1 of the CER Smart Metering Project, are:

- Customer behaviour trials findings report (CER11/080a) (Main Report and Appendices separate)
- Technology trials findings report (CER 11/080b)
- Cost-benefit analysis report (CER 11/080c)

The Smart Metering Information Paper 4 gives an overview of the key findings of each of these reports and goes on to outline the next steps of the CER Smart Metering Project.

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To download the reports…

DECC - UK proposes Fourth Carbon Budget

Emissions to be cut by 50% by 2025

A limit on the total amount of greenhouse gases to be emitted by the UK between 2023 to 2027 has been proposed to cut Britain's emissions by 50% from 1990 levels and highlighting the Government's commitment to being the greenest government ever.

Today's proposal, set out by Energy and Climate Change Secretary Chris Huhne, is in line with advice from the independent Committee on Climate Change. It sets a fourth carbon budget of 1950 MtCO2e for the period that will span from 2023 to 2027, putting the UK on course to cut emissions by at least 80% by 2050. The carbon budget will place the British economy at the leading edge of a new global industrial transformation, and ensure low carbon energy security and decarbonisation is achieved at least cost to the consumer.

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To read the whole notice…

CEER - Draft advice on the take-off of a demand response electricity market with smart meters

CEER believes that through offers reflecting actual consumption patterns and a meter equipped with an open gateway - interface with the home - the customer will be able to participate in demand response. Home automation could be a means to accomplish this. To enable these services, there need to be clearly defined roles and responsibilities for the stakeholders in the electricity market.

This public consultation on the Draft Advice on the take-off of a demand response electricity market with smart meters seeks stakeholder views in order to provide input on upcoming CEER recommendations that aim to enhance the implementation of demand response with household customers and small and medium sized businesses.

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To read the whole background statement…

Ofgem – Six project eligible to bid for £64 million to fund low carbon electricity networks

- Six new projects to bid for funding from Ofgem's £500 million Low Carbon Networks Fund
- Submissions show there is strong appetite for innovation in the electricity distribution networks
- Consumers will reap benefits of cost-effective solutions to secure and sustainable supplies as we move to a low-carbon economy

Energy regulator Ofgem today announced that six innovative projects are eligible to compete for a share of £64 million, in the second year of the £500 million Low Carbon Networks (LCN) Fund.

Ofgem set up the LCN Fund as part of the 2010-2015 electricity distribution price control. It will encourage Britain's electricity distribution network operators (DNOs) to develop projects that will help energy networks and energy consumers to make the crucial transition to a low carbon economy. The lessons learned from LCN Fund projects will be shared across the industry.

Stuart Cook, Ofgem's Senior Partner for Smarter Grids and Governance, said: "Today's announcement builds on the success of last year's competition. The six projects which will go through

to the final stages of the competition demonstrate a real appetite for innovation and tackling the issues that the networks face as we prepare to meet the challenges of a low carbon economy."
Five of Britain's six electricity distribution companies submitted a total of six projects.
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Eurelectric conference illustrates role of electricity in tomorrow's Smart Cities

"Smart cities" were the focus of a special EURELECTRIC conference in Brussels yesterday, 12 May 2011, with representatives from the European institutions, the electricity sector, the engineering industry and major European cities discussing 'Building Tomorrow's Smart Cities: The Role of Electricity and DSOs for Sustainable Urban Development'.
Opening the conference, Marie Donnelly (Director at the European Commission's DG Energy) highlighted energy efficiency, smart grids and smart transport as the main components of the European Commission's upcoming Smart Cities and Communities Initiative.
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PikeResearch – Smart Cities

Intelligent Information and Communications Technology Infrastructure in the Government, Buildings, Transport, and Utility Domains
For the first time in human history, more people live in cities than in rural areas and in the next 20 years the urban population will grow from 3.5 billion to 5.0 billion people. The social, economic, environmental, and engineering challenges of this transformation will shape the 21st century. The lives of the people living in those cities can be improved – and the impact of this growth on the environment reduced – by the use of "smart" technologies that can improve the efficiency and effectiveness of urban systems. The smart city can be defined as the integration of technology into a strategic approach to sustainability, citizen well-being, and economic development.
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Zpryme Report- The New Energy Consumer (sponsored by Itron)

The New Energy Consumer study by Zpryme presents a comprehensive look at energy consumption attitudes and perceptions by consumers, the smart grid communication access network market and the enterprise system and purpose-built system market for utilities in the U.S. Further the report explores the market for private and public smart grid wireless access networks. Zpryme has employed a two-stage research approach to accomplish this objective.
The results of each of the research tasks below are presented in this report:

- U.S. Consumer Energy Usage Survey: A survey conducted in mid-March 2011 of 1,082 homeowners or renters age 18 – 75 across the U.S. was developed to assess energy usage behaviors, smart grid awareness, energy bill costs, energy consumption trends, utility satisfaction and their preferences to use emerging energy monitoring devices and equipment.
- Forecasts: Market value projections for smart grid wired and wireless communication access networks, and for enterprise and purpose-built systems and networks for mission-critical utility functions.

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Harry Crijns
ESNA secretariat