

Constructing  
Excellence in Wales  
members  
receive 20%  
DISCOUNT CODE:  
CEW20

# Utility Week Wales energy conference

16 MAY 2017 | CARDIFF

## Expert speakers include:



**Prys Davies**  
Deputy director,  
energy, water  
& flood  
Welsh  
Government



**Graham Edwards**  
Chief executive  
officer  
Wales &  
West Utilities



**Greg Evans**  
Safety &  
generation  
director  
Horizon Nuclear  
Power



**Mike Unsworth**  
Director of  
construction  
& engineering  
Tidal Lagoon  
Power



**Dr Mike Pedley**  
Head of energy  
Dŵr Cymru  
Welsh Water



**Chris Clarke**  
Director of asset  
management  
and HS&E  
Wales &  
West Utilities



**David Jones**  
Chief executive  
officer  
Pembrokeshire  
Coastal Forum;  
director  
Marine Energy  
Wales



**David Club**  
Director  
Renewable UK  
Cymru

The only dedicated  
event for energy  
generation, retail and  
networks stakeholders  
in Wales

## This conference will provide you with:

- Updates on the future  
of energy networks  
from Ofgem
- Details of the  
Government's  
priorities for Wales'  
energy sector
- Case studies on the  
most effective carbon  
and cost reduction  
initiatives
- Cutting-edge  
developments in  
energy generation  
from tidal, nuclear  
and more
- Innovative ways  
to drive energy  
developments  
in Wales
- A strategic view of  
where Wales' energy  
sector is globally

Supported by



# Utility Week Wales energy conference

The energy industry in Wales is innovative and forward thinking, with a unique set of challenges and opportunities that make it an exciting part of the UK.

Utility Week is bringing together the sector's stakeholders to take a fresh look at Wales' energy mix, as decarbonisation, storage and sustainability are reshaping the landscape. How will the regulator drive competition that will stimulate innovation for better services and tariffs? How will networks adapt to the flexibility that will be required to meet future demands? And finally, how will Wales ensure low-carbon, sustainable supply for the long-term?

For those outside of Wales looking in, whether from the rest of the UK or other global stakeholders in energy, the investment in new technologies and renewables is stirring much interest as the country has the potential to become a beacon of best practice.

The **Utility Week Wales Energy Conference** offers you a unique chance to join us and other leaders as we address policy, case studies, renewables developments and the future of Wales' energy mix at a critical time for the UK.



*Ellen Bennett*

**Ellen Bennett**  
Editor  
Utility Week

## Who should attend?

The **Utility Week Wales Energy Conference** brings together energy generation, retail, networks, and government professionals in Wales. It will be of particular interest to CEOs, COOs, directors, heads and managers responsible for:

- Policy
- Regulation
- Strategy
- Innovation
- Finance & investment
- Renewables/ nuclear/ tidal/ marine/ solar/ wind

- Future networks
- Demand management/ response
- Asset management, innovation and engineering
- Commercial development
- Grid operations/ smart grids/ future grids
- Low carbon/ climate change

**This event will also be of interest to:**

- Contractors & suppliers
- Government
- Regulators
- NGOs & charities

# Agenda

(subject to change)

**08:45** Conference registration, refreshments & exhibition

**09:20** Welcome from the conference chair  
**Prof Ron Loveland**, Energy adviser to the Welsh Government

## POLICY, REGULATION & INVESTMENT PLANS

**09:25** The Welsh Government's priorities for energy in Wales  
**Prys Davies**, Deputy director, energy, water & flood, Welsh Government

**09:45** Ofgem's regulatory priorities for energy in Wales and beyond  
● Driving innovation for future energy networks  
**Geoffrey Randall**, Associate partner, gas networks, **Ofgem**

**10:05** Gas networks supporting customers now and in the future  
**Graham Edwards**, Chief executive officer, **Wales & West Utilities**

**10:25** Economic, efficient and low carbon – investing in the future energy system for Wales  
● Advancing a zero carbon energy system  
● Innovating in Wales' energy future  
● Utilising risk management to drive effective investment  
**David Wright**, Director of electricity transmission in the UK & group chief engineer for electricity, **National Grid**

**10:45** How our SP Energy Networks plans will secure the future of energy for North Wales  
● Overview of SPEN's investments to prepare our network for the next 50 years of energy use in North Wales  
● The innovative ANGLE-DC project: delivering to connect further generation on Anglesey  
● Highlighting the policy changes that need to happen at UK level to prepare Wales properly for the future  
**Stephen Stewart**, SP Manweb director, **SP Energy Networks**

**11:05** Panel questions & answers

**11:15** Refreshments, networking & exhibition

## RENEWABLES, REGENERATION & NEW ENERGY TECHNOLOGIES

**11:45** The future of tidal energy: lessons from Tidal Lagoon Swansea  
● The story so far: challenges and opportunities  
● New technologies and project trials  
● The future of tidal energy  
**Mike Unsworth**, Director of construction & engineering, **Tidal Lagoon Power**

**12:05** The fundamentals for nuclear as part of the UK/Wales energy mix: a policy, regulation and investment perspective:  
● The need for new nuclear in Wales - low-carbon, secure and affordable  
● Understanding Horizon's licensing strategy  
● How Wylfa Newydd power station will create high-quality employment and investment  
**Greg Evans**, Safety & generation director, **Horizon Nuclear Power**



**12:25** Renewables, regeneration & new energy technologies

- Evaluating real options to solve the energy trilemma based on real data
- Demonstrating how wind, nuclear, tidal and green gas can be balanced to deliver a greener future
- Exploring cost estimates and the impact on customer bills for the end to end energy delivery out to 2050

**Chris Clarke**, Director of asset management & HS&E, **Wales & West Utilities**

**12:45** Marine energy in Wales – capturing a leading role in a global export market

- Case studies of Pembrokeshire
- Learning from the Canadian marine sector
- The future of marine energy

**David Jones**, Chief executive officer, **Pembrokeshire Coastal Forum**; Director, **Marine Energy Wales**

**13:05** Questions & panel discussion: where are we in the global renewable-energy race?

*Session speakers to be joined by:*

**David Club**, Director, **Renewable UK Cymru**

**13:15** Fork buffet lunch, networking & exhibition

## INNOVATION & RESEARCH: CASE STUDIES

**14:15** Green gas & a low-carbon future

- Green gases and their role in a low-carbon future
- The current status of green gas and the challenges to get here
- What's next for green gas?

**Ian Marshall**, Green gas development manager, **Wales & West Utilities**

**14:35** The impact of the FLEXIS project in Wales

**Professor Hywel Thomas**, Pro vice-chancellor, **Cardiff University**

**14:55** Learning from water: the future of embedded energy generation

- Optimisation and investment in energy efficiency and renewables
- Its role in carbon reduction initiatives
- Combining technologies to maximise benefit

**Dr Mike Pedley**, Head of energy, **Dŵr Cymru Welsh Water**

**15:15** Panel questions & answers

**15:25** Refreshments, networking & exhibition

## THE FUTURE OF ENERGY IN WALES

**15:55** Enabling energy developments in Wales – the role of Natural Resources Wales

- The role of NRW
- The legislative and policy context
- On-going and future work
- Future collaboration

**Keith Davies**, Planning, landscape, energy & climate change manager, **Natural Resources Wales**

**16:15** The 'Freedom Project' from September 2016 and beyond – an energy networks collaborative project

- Investigating the network, consumer and broader energy system implications of high-volume deployments of hybrid heat pumps in Bridgend, South Wales
- Developing the technology to combine domestic gas boiler and air-source heat pump heating
- Integrating fully flexible loads capable of providing significant energy system value

**Faithful Chanda**, Innovation & low carbon networks engineer, **Western Power Distribution**

**16:35** Panel questions & answers

- What will continue to establish Wales as a pioneer in energy systems and delivering significant benefits to the Welsh economy?
- What impact will 'Brexit' have on research and innovation?
- How do we tackle major societal challenges - from climate change to fuel poverty and rising energy prices?

*Session speakers to be joined by:*

**Jeff Douglas**, Strategy manager, **Energy Systems Catapult**  
**James Yu**, Future networks manager, **SP Energy Networks**

**16:45** Closing remarks & end of Wales Energy Conference

**WWT WALES WATER CONFERENCE**  
17 MAY 2017 | CARDIFF

ATTEND BOTH SHOWS

The **WWT Wales Water Conference** takes place the day after our annual **Utility Week Wales Energy Conference**. Why not attend both and gain a cross-utility perspective? For more details visit [events.wwtonline.co.uk/wales](http://events.wwtonline.co.uk/wales)

## Sponsorship & exhibition

Promote your brand, showcase your expertise, and meet new clients. Various sponsorship and exhibition opportunities are available at this event. For more information please contact Sophie Abbott on **+44 (0)1342 332062** or email [sophie.abbott@fav-house.com](mailto:sophie.abbott@fav-house.com) to discuss your objectives.

## UtilityWeek

Utility Week was launched in 1994 in response to the growing regulatory and market complexity following utility privatisation. For more than 20 years Utility Week has been the UK utility sector's unrivalled thought leader and source of news and comment on the business of Britain's electricity, gas and water companies. Utility Week provides authoritative analysis, impartial industry intelligence and insight in print, online and face to face. It has the trust and respect of utility chiefs, regulators and government. [www.utilityweek.co.uk](http://www.utilityweek.co.uk)

# UtilityWeek Wales energy conference

16 MAY 2017 | CARDIFF



How to book...

book online now at  
[events.utilityweek.co.uk/wales](http://events.utilityweek.co.uk/wales)

	Booking type	Book before 17 March	Book before 14 April	Full rate
Price per delegate	Utilities, Public Sector, Non-Profit, Academic	£295 (+VAT=£354)	£325 (+VAT=£390)	£355 (+VAT=£426)
	Contractors, Solution Providers, Consultants	£395 (+VAT=£474)	£425 (+VAT=£510)	£455 (+VAT=£546)

## Are you a Utility Week member?

Utility Week members get 10% off their registration fee.  
For details, visit [www.utilityweek.co.uk/membership](http://www.utilityweek.co.uk/membership)

### More reasons to book...

What previous Utility Week conference attendees said

'Informative and inspiring to see such a vast demographic of interested parties'

Regulation & strategy head, National Grid

'Fantastic speakers and a very good audience. Perfect'

Network planner, SSE Power Distribution

'Interesting topics by enthusiastic speakers'

Innovation implementation engineer, Electricity North West

'Great knowledge sharing opportunity with useful networking links. There's definitely learning I can take away back to NG'

Customer & shareholder manager (transmission), National Grid

**50% OFF**  
Team booking offer

Book 2 delegates from your team and any subsequent bookings will receive 50% off.

Contact **Rachael Cannon** on **+44 (0)1342 332041** or email [rachaelcannon@fav-house.com](mailto:rachaelcannon@fav-house.com) for more information.

**Terms and Conditions:** Favershams House Limited ("we") accept bookings from delegates ("you") for places at the Events on the following terms and conditions.

**Accommodation:** Accommodation is not included in the delegate fee. Confirmation: Once we have received confirmation of your booking, we will send you an email confirmation. A VAT invoice will be sent out to you shortly after. We must receive payment prior to the date of the event. If you have not received confirmation of your booking within 14 days of the event, please contact the Event management team as we may not have received your booking. We cannot be held responsible for the non-arrival of information. Whilst in attendance at the event, if we reasonably consider that your behaviour is inappropriate, disruptive, offensive, dangerous or illegal, we may ban you from further participation in the event without a refund.

**Liability:** Any opinions expressed or statements made by speakers or delegates at the event are in their personal capacities and are not made or expressed on our behalf. Except in the case of death or personal injury

caused by our negligence or that of persons for whose acts or omissions we are legally liable, we will not be liable to you for any loss or damage of any kind, whether direct, indirect or consequential, which you may suffer at or in relation to the event, and our aggregate liability to you will in any case be limited to the amount you have paid to us.

**Cancellation:** Payment for the event must be received before the date of the event. Cancellations must be made in writing to the address above. Cancellations received up to one calendar month prior to the event date will be subject to a handling and administration charge of £75 + VAT per delegate, which will be deducted from any due refund or invoice, whichever is appropriate. The organisers regret that cancellations are not accepted less than one month prior to the date of the event. However, a substitute delegate can be nominated. Substitutions made on the day of the event are at our discretion only. We reserve the right to make changes to the programme, location and/or speakers without prior notice. We will not offer refunds to delegates due to circumstances affecting the event, or your ability to attend it, which are outside our control (for example, but not limited to,

a terrorist alert or incident) unless the event is cancelled or rescheduled for another date, in which case we will retain up to 50% of the delegate fee to cover marketing, administration and delegate registration costs.

**Data Protection:** We value your privacy and confidentiality. By registering for this event, we can provide you with information relating to your booking and other Favershams House Ltd related products or services via email, direct mail, fax or telephone. We may also make your details available to carefully screened companies who have information that may be of interest to you, subject to the permission you have given on your booking form. If you do not want to receive this information please write to the Event Database Manager at Favershams House Ltd. Your details may also be made available to other carefully selected companies.

Please tick here if you do not wish to receive information from third parties.