

# EEF Information Bulletin



## Editorial

### Smart Energy

Energy and ICT are both leading sectors and it is crucial to reflect on how both interact in today's world.

ICT in the energy sector can become an important tool to improve the conditions in which energy is produced, traded, transmitted, distributed and consumed.

On the initiative of **MEP Pilar del Castillo**, *Vice president of the EEF*, the European Energy Forum and the European Internet Forum join forces to propose to its members a lunchtime discussion on the topical issue of smart energy.

**Dominique Ristori** will be our guest speaker on that occasion and will touch upon digitalisation, cybersecurity, and consumers. We welcome our members to this discussion.

Pascale Verheust  
*Director General*

## Upcoming events

18 October 2016

Lunch-debate in Brussels

### **Smart Energy**

At the invitation of **the EEF** in cooperation with the **European Internet Forum (EIF)**



25 October 2016

Dinner-debate in Strasbourg

### ***Electricity's role in fostering emission reduction in the non-ETS sectors (Transport & Buildings)***

At the invitation of **ENEL and Eurelectric**



22 November

Dinner-debate in Strasbourg

### ***Combining gas and renewables to make a clean future real***

Dinner-debate in the framework of the Gas Week

29 November

Dinner-debate in Brussels

### ***Poland – from a 'gas island' to the European gas hub?***

At the invitation of **PGNIG**





## EEF Events

### 60% renewable energy in the European power system – how can we make it work?

13 September, Strasbourg

Dinner-debate hosted by EDF



The new season of events kicked off with a dinner-debate in Strasbourg focusing on the integration of renewables into the power system and hosted by EEF's Associate Member **EDF**.



The European Union envisages the development and wide-scale deployment of low-carbon electricity generation from renewable energy sources (RES). The share of RES in the European energy mix is expected to reach 20% by 2020 and 27% by 2030. In the light of this, EDF has conducted an in-depth study entitled *“Technical and Economic Analysis of the European Electricity System with 60% RES”*, which analyses what a 60% share of renewable electricity means for the European energy system. **Michel Matheu**, Head of EU strategy at EDF, introduced the study concerning the introduction of renewables. According to Mr Matheu, *“if we want to decarbonize [the power sector] it's not enough to use renewable sources, we need to have low carbon conventional baseload generation.”*



Dr **Vera Paiva Da Silva**, Director at EDF R&D, elaborated on key findings of the study: the joint development of flexible backup generation and network infrastructure and the role of storage and flexible demand. In her conclusions, Ms Paiva Da Silva explained that generation *“is not only a problem of meeting supply and demand (...) it's also a matter of how can we operate from a technical point of view the system to avoid black outs. (...) RES don't naturally act to help the system and therefore the system becomes more fragile.”* From an economic point of view, *“the market revenue of renewables is lower and this gap becomes bigger when we increase the amount of RES in the system.”*



After the presentation of the study, **Tomasz Jerzyniak**, Policy Officer for internal market issues at DG Energy highlighted 3 elements of the EC's policy approach particularly relevant in this context: the implementation of a new electricity market design to enable price signals drive investments where needed, better coordination for the deployment of RES and increased efforts to develop a pan-European grid.



## EEF Events

### Transport policy options in a low-emission economy

26 September, Brussels

Dinner-debate hosted by ExxonMobil



This dinner-debate focused on the transport sector following the publication in July of the strategy for low-emission mobility by the European Commission. Transport represents almost a quarter of EU's greenhouse gas emissions and non-ETS sectors, including transport, should reduce these emissions a 30% by 2030.

As explained by **Khurram Gaba**, Policy Planning Executive at ExxonMobil Refining & Supply, *"transport is particularly challenging when it comes to lower emissions because the cost to reduce one tone of carbon in transport is significantly higher than to reduce by the same amount in other sectors, such as power generation."*



**ExxonMobil** considers that this situation is not an *"economically efficient approach"* to achieve the 40% reduction target by 2030 and proposes the implementation of some *"market based linkages"* between the ETS and the non-ETS sector.

Mr Gaba also emphasized the need to give *"equal weighting and importance to social, economic and environmental dimensions and look for policy pathways that seek to minimize societal cost, recognizing that ultimately the cost is borne by the consumer, by the taxpayer."*



The presentation of Mr Gaba was followed by the intervention of **José Fernández García**, Policy Officer at DG MOVE, who explained the point of view of the European Commission on this issues and described the next steps of the revision of the Clean Vehicles Directive.

This directive requires that energy and environmental impacts linked to the operation of vehicles over their whole lifetime are taken into account in all purchases of road transport vehicles. It aims at stimulating the market for clean and energy-efficient vehicles.







## News from EEF Members

### New representative of GIE to the EEF



Boyana Achovski

**Boyana Achovski** is the new *Secretary General* of Gas Infrastructure Europe (GIE) as of 1 September 2016. She replaces Thierry Deschuyteneer who finished his mandate.

Boyana Achovski worked for 4 years in the GIE Secretariat with the function of Vice-Executive Secretary. Her responsibilities focussed on the coordination of gas lobbying strategies and initiatives, as well as infrastructure campaigns.

Before she worked for Bulgartransgaz, the Bulgarian transmission and storage operator, where she led the Analysis and International Operations Division, managing the company's work related to the European regulatory framework and European energy policy.

### Enerkem joins the EEF



Lisa Hanke

**Enerkem** produces biofuels and renewable chemicals from waste. With its proprietary technology, Enerkem converts non-recyclable municipal solid waste into methanol, ethanol and other widely used chemical intermediates.

Headquartered in Montreal, Canada, Enerkem is a private firm founded in 2000 that employs 200 employees and owns a full-scale commercial facility in Alberta as well as a demonstration plant and a pilot facility in Quebec.

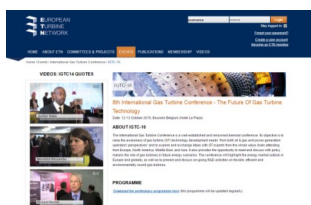
The company is developing additional biorefineries in North America, Europe and Asia, based on its modular manufacturing approach. Enerkem's technology and facilities help diversify the energy mix and make everyday products greener while offering a sustainable alternative to landfilling and incineration.

**Lisa Hanke**, Director for Government Affairs, will be the main representative of Enerkem to the EEF.



## Events from EEF Members

### 8th International Gas Turbine Conference



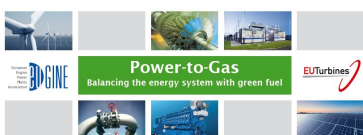
The next International Gas Turbine Conference (IGTC) will take place in Brussels from **12 to 13 October** and will be organised by the European Turbine Network (ETN), member of the EEF. Future gas turbine technology developments from a user's and a political point of view will be discussed in this two-day conference.

### Gas Innovation: Gateway to a Sustainable Future



Gas innovation will be the topic of the annual conference organised by EEF member Eurogas **on 27 October**. Three different panels will look into the role of gas to decarbonise the energy sector and produce efficient, renewable, flexible, customer-orientated and competitive energy. In addition, innovative projects along the entire gas value chain, including production, appliances and customer power will also be presented at this conference.

### Power-to-Gas: balancing the energy system with green fuel



Power-to-Gas allows the storage of electrical energy from renewable energy sources over long periods of time and the resulting gases are used as a green fuel when needed, contributing to the demand for flexibility in the energy sector. The conference on power-to-gas organised on **9 November** by EEF Associate Members EUGINE and EU-Turbines, will explore the opportunities and challenges of power-to-gas technologies, from research to the business case, and how this option can contribute to the future European energy system.