

Seminar: The role of the Nordic Power Sector in the energy transition after 2020

When: 16th October 2013
Where: Best Western Bondeheimen, Rosenkrantz' gate 8, 0159 Oslo, Norway
Fee: Free, registration is mandatory.

Registration is made through this link: <http://bit.ly/14au9N4>
Please register before 1st October.

What will be the EU's energy and climate change framework beyond 2020? NEPP¹ and THEMA, together with Elforsk, Energy Norway, Nordic Energy Research and Icelandic Energy and Utilities, hereby invite you to a joint Nordic seminar to discuss these issues.

Decarbonisation - with a particular focus on renewables - is the dominant theme of the European Commission's 2050 Energy Roadmap. However, EU legislation currently lacks a supporting framework for delivering greenhouse gas reductions beyond 2020. On 27 March 2013, the European Commission published a Green Paper on "A 2030 framework for climate and energy policies" to consult stakeholders to obtain evidence and views to support the development of the 2030 framework, but new legislation is yet to be proposed. Will there be new targets and supporting measures? How could these impact the Nordic energy markets?

The challenges posed by decarbonisation in the context of ensuring security of supply and competitiveness are significant. While the internal European electricity market is scheduled to be completed by 2014, certain national decarbonisation and renewable policies may undermine efforts to achieve an efficient single market. In addition, many governments have recently set out their intentions to introduce capacity mechanisms. Are we witnessing an irreversible move towards more central planning and intervention on a national level? Is this the only way to deliver Europe's energy policy goals of security of supply and decarbonisation of electricity generation? What will happen to competitive, liquid markets? Is it possible to deliver all three goals simultaneously?

This seminar will focus on how developments at a European level could impact the Nordic electricity market in the longer term. The seminar will also focus on the value of conducting in-depth analyses through Nordic research collaboration.

Warm welcome!



¹ NEPP is a research programme that takes a joint approach on:

■ A developing electricity market ■ A developing electricity production ■ A developing electricity demand ■ A developing power grid - www.nepp.se

Program

09.30 **Registration and coffee**

10.00 Welcome session

Welcome and introduction by Chair: *Anne Cathrine Gjørde, Director, Nordic Energy Research*

Setting the scene: Nordic Energy Technology Perspectives: The Nordic power sector in a European perspective, *Benjamin Smith, Nordic Energy Research*

Topic 1 The development of the power system in the view of scenarios and roadmaps. The roadmaps from both EU and the Nordic countries' involves substantial challenges for the power system.

10.30 Moderator: *Filip Johnsson, Chalmers*

More wind and less fossil power – how will we move forward?

- How will the Nordic power system evolve? Do we have to handle a large power surplus, or a loss of nuclear power? What does it mean for the industry? *Thomas Unger, Profu*
- The role of the Nordic countries to handle variations in the future European electricity system, *Joel Goop, Chalmers*
- Network investments, how big are the needs and what is realistic? *Jan Bråten, Statnett*
- Investment challenge for the entire power industry - public acceptance and a challenge for capital and competence, *Håkon Taule, THEMA*

11.20 Discussion

12.00 Lunch

Topic 2 Market development in view of the vision of a common European electricity market - dream or reality?

Capacity Markets is the answer - what is the question? About the challenges related to today's market design and proposed solutions – renewable production, flexibility, loop-flows, flow based, intraday, ...

13.00 Moderator: *Berit Tennbakk, THEMA*

Do we need Capacity markets in the Nordic countries?

- Capacity Markets may look different - examples from real life? *Berit Tennbakk, THEMA*
- Some scenarios, with and without capacity markets - focus on prices, investment and trade, *Niclas Damsgaard, Sweco*

- Regulatory challenges in the long term, *Martin Godfried, ACER (TBC)*

13.40 Discussion

14.10 Coffee

Topic 3 Development of support schemes in the view of climate change and challenges for the power system related to wind and sun. The design of support schemes – what have we learnt so far?

14.40 Moderator: *Fridtjof Unander, Forskningsrådet*

- Uniform support schemes in Europe - Is the Swedish-Norwegian electricity certificate system a success story that other countries should follow? *Gustav Ebenå Swedish Energy Agency*
- What have we learned from five years with EU ETS – does the current low prices of the quota system show that it has played its role? *Expert from Denmark (TBC)*
- Why should we provide support for renewable electricity production in the Nordic countries? Are there other ways to achieve the objectives? *Mats Nilsson, Swedenergy*

15.20 Discussion – the balance between politics and the market.

15.50 Panel discussion

Is there a need to strengthen the Nordic research cooperation within the energy sector? What are the major challenges? What should we focus of the research be?

Moderator: *Håkon Taule, Thema och Bo Rydén, Profu*

16.30 End