

NEP 2010

Nordic Energy Perspectives

Towards a

Sustainable Nordic energy system

Conference at Grand Hotel,
Stockholm, 27 April 2010

20 Perspectives on Nordic Energy
10 Opportunities and Challenges



NORDIC ENERGY PERSPECTIVES

invites you to conference on the theme

Towards a

Sustainable Nordic energy system

in Stockholm, 27 April 2010



CONFERENCE PROGRAM - NEP2010 at Grand Hotel, 27 April 2010

08.30 Registration

09.00 Welcome to Stockholm and to the conference!

Tomas Käberger, General Director, Swedish Energy Agency

Ten opportunities for Nordic Energy – a short summary of the NEP findings

The EU energy and climate package has a significant impact on the energy systems of the Nordic countries and it is likely that all energy sectors have to contribute to the reaching of these targets. NEP has identified several challenges for the future, but also large opportunities.

Berit Tennbakk, ECON Pöyry, Stavanger and Bo Rydén, Profu, Gothenburg



The Director General of the Swedish Energy Agency **Tomas Käberger** is the chairman of the conference

09.30 Session: The development of the Nordic energy markets in a European perspective, part 1

CO₂-free electricity by 2020 – a Nordic opportunity in the EU

- hydro, nuclear, bio and wind will all increase their role and contribute to low emissions

A widened power market in Northern Europe?

– increases the demand for new transmission lines and a system that can handle large amounts of wind power

Peter Fritz, Sweco, Stockholm, Berit Tennbakk, ECON Pöyry and Göran Koreneff, VTT, Espoo

PANEL DISCUSSION: Are we prepared to make the best use of the European market

– and what does it take? Can we handle a large amount of wind power in our Nordic power system? Who will take responsibility for building new transmission grids? Is a widened coordination between policy and market necessary?

IN THE PANELS:
Politicians, researchers and representatives from energy companies, branch organisations and industry

10.45 Short break

11.00 Session: The development of the Nordic energy markets, part 2

The EU energy and climate package changes the Nordic energy markets

– consequences of targets for green house gases, renewable energy and energy efficiency

Thomas Unger, Profu, Gothenburg and Tiina Koljonen, VTT, Espoo

District heating, bioenergy and energy efficiency – three key players in a sustainable Nordic energy system

From the NEP reports: "A cost-effective implementation of a 20 % target for energy efficiency by 2020 should include all parts of the energy system, from supply to end-use." "Important challenges for district heating." "Biomass will continue to be the dominating renewable energy source in the Nordics."

Håkan Sköldberg, Profu, Monica Havskjold, Xrgia, Oslo and Hans Ravn, Ramlöse edb, Copenhagen

The support schemes and policy instruments for renewable energy in the Nordic countries

A Swedish-Norwegian green certificate system? Feed in tariffs in Finland. Tendering and other subsidies in Denmark.

Berit Tennbakk, ECON Pöyry, Stavanger and Peter Fritz, Sweco, Stockholm

PANEL DISCUSSION: Different and similar targets, ambitions and policy instruments – how will it all work together? The challenge of implementing the (EU) climate and energy package and choose the 'best' policy instruments and measures.

12.30 Lunch

“The future Nordic energy system is formed by policies, market forces and expectations”

NEP is a cooperation between researchers from different scientific disciplines. The synthesis work in the research group is based on a cross scientific approach to all research questions.



Foto: Pawel Flato

The Swedish Minister
for Enterprise and Energy
Maud Olofsson

13.30 Session: Towards a Sustainable Nordic energy system – opportunities and co-operation

Towards a Sustainable energy system

Maud Olofsson, Swedish Minister for Enterprise and Energy

The Nordic role in a European and global energy context – impact of a 2°C climate target

“A 2°C target would require zero CO₂ emission levels and radical decrease of all the greenhouse gases during this century. – the Nordic and EU 2020 target for CO₂ emissions follows the required path”

Tiina Koljonen, VTT and Bo Rydén, Profu

PANEL DIALOGUE: How can Nordic Energy contribute to a stronger and sustainable growth and development in the Nordic countries?

15.00 Short break

15.15 Session: Nordic industry, global competitiveness and sustainability driven strategies

Business development in the Nordic energy and clean tech sector, opportunities and challenges on company and policy level

From the NEP reports: “Leading indicators for successful export-promoting policies.” “Mechanisms explaining export activities in small and mature companies.”

Anders Sandoff, School of Business, University of Gothenburg

Can energy also in the future support the global competitiveness of Nordic industry?

Is a global climate challenge a stimulant for a new Nordic business?

Tiina Koljonen, VTT, Espoo and Janne Niemi, VATT, Helsinki

PANEL DISCUSSION: Is Sustainable Development a threat or an opportunity?

Nordic industry, global competitiveness and sustainability driven strategies.

16.45 Conference ends

THE NORDIC ENERGY PERSPECTIVES PROJECT

Nordic Energy Perspectives (NEP) is an interdisciplinary Nordic energy research project with the overall goal of demonstrating means for stronger and sustainable growth and development in the Nordic countries.

A Nordic venue and a forum for dialogue

Many of the most important public and private stakeholders within the Nordic energy field are participating in the project. Therefore, Nordic Energy Perspectives has become a venue – a forum – for discussions and dialogue, based on unbiased facts, among politicians, decision-makers and other participants from the Nordic energy field.

Towards a sustainable energy system

The NEP project shows that the EU energy and climate package affects all energy markets and all sectors. NEP shows the

consequences for - and values of - the development and integration of the energy markets (for electricity, gas, district heating and fuels) in a Nordic and North European perspective. NEP has analysed the consequences of increased use of energy efficiency, renewable energy and other energy solutions with low CO₂ emissions, both in a Nordic and in a global perspective.

The opportunities in focus!

NEP has identified a lot of opportunities for the future, but also challenges. By choosing the right set of policy instruments and regulation in our Nordic countries, we may ensure that the opportunities and synergies provided by the EU energy and climate package are exploited for the benefit of our energy systems. Flexibility and diversity are key words. NEP focuses on sustainability

driven strategies and business opportunities of Nordic industry. Renewable energy and other low CO₂ technologies are examples of opportunities for energy companies, were the Nordic countries have an advantage compared to most European countries. Opportunities for Nordic clean tech industries are highlighted. Nordic energy intensive industry is analyzed.

A unique set of energy models and professional researchers

The NEP project involves 15-20 experienced energy researchers from the Nordic countries and, which is unique, most of the professional energy models (and modellers) that frequently provide national authorities and ministries with facts and insights for decisions.



INFORMATION AND REGISTRATION

WHEN?

Tuesday 27 April 2010, 09.00 – 16.45
(Registration starts at 08.30)

WHERE?

Grand Hotel, Södra Blasieholmshamnen 8, Stockholm
Phone: +46 (0)8 679 35 00.
The hotel is situated in the city centre and can be reached from the airport by airport busses or by taxi.

HOW TO REGISTER?

You can register at:

<http://eventus.trippus.se/NEP2010>

or by sending the attached registration form to:
Profu, Götaforsliden 13, SE-431 34 Mölndal, Sweden.

The conference participants will be charged with a fee of 150 Euro (excl. VAT). This fee covers the costs for the conference arrangements. It will be invoiced after the conference.

Last date for registration is 2 April 2010.

INFORMATION

For further information or questions please contact:
Bo Rydén, Profu, +46 (0)31 720 83 90,
bo.ryden@profu.se



REGISTRATION FORM

Please write in block letters

Name

Company/organisation

Email

Address

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Lunch Yes No

Please state any special requirements for lunch

Last date for registration: 2 April 2010



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