

Energy efficiency in Transport- and Fishery in sparsely populated areas in the Nordic Countries

Workshop for officials, producers and consumers,
3-4 December 2008 in Reykjavik

Possibilities for energy efficiency in transport on roads and at sea
– sailing and driving

TBO workshop 2008 in Reykjavik 3-4 December 2008

Energy efficiency and –economizing are main elements for behaviour changing initiatives in order to obtain more sustainability in the energy supply. For the West Nordic Countries and other sparsely populated regions and remote districts, which are dependent on import of energy, energy economizing is vital for producers, distributors and consumers. Initiatives for energy efficiency can harvest the highest profits in the sectors and sections where there is most energy consumption, either for the individual, the local community or the society as such.

Sectors with high energy consumption tend to have high emissions, because the energy sources to a large extent or as a whole are fossil fuels. For the countries in question it is moreover characteristic that fishery and fish industry are the most important occupations together with transportation at sea and by air. That is why it is obvious to focus on energy efficiency in fishery and transportation.

The Nordic energy working group for sparsely populated areas – TBO – organizes this workshop that will make out the situation for the sparsely populated areas and their ability to set up objectives and goals for energy efficiency in the fisheries and the transport sectors. The workshop will also create an overview on means and methods for the sparsely populated areas in order to fulfil the visions. And the workshop will encourage more visions and strategies on the topic. The workshop provides an innovative frame for the meeting between producers and consumers.

The workshop will provide a West Nordic perspective on a sector that has the potential for reducing harmful emissions and in doing so participate to create a more healthy climate. The workshop invites trade and industry to the event, and the results will be passed on to the actors that deal with transportation, to the shipping industry and to other parts dependent on these sectors.

Transport's share of CO₂ emissions is gradually increasing in all regions of the world, and both the maritime and the road based transport counts for significant shares of the total emissions. The North Atlantic and the West Nordic Countries are heavily dependent of fishery and transportation, and the sector uses fossil fuels at the moment. As the regions are also very vulnerable to climate changes,

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they all have an obligation to participate in reducing the pollution by acting friendly and healthy with the environment.

This invitation contains a provisional programme for the workshop. The final programme will be delivered before the beginning of the workshop.

Register the workshop in Reykjavik at the latest the 20th October 2008 to Margrethe Sorensen margrethe@greenet.gl.

About the Nordic Working Group for Sparsely Populated regions – TBO

The Nordic energy cooperation contribute to the developing of technologies and means for securing a sustainable energy system in those parts of the Nordic Countries that do not have a connection to the transmission lines or a weak grid connection; so that the situation is stand-alone solutions or import of energy.

The Nordic Co-operation is one of the oldest and most encompassing regional co-operative groups in the world. It includes Denmark, Finland, Iceland, Norway and Sweden as well as the Faroes Islands, Greenland and the Åland Islands. Co-operation strengthens solidarity among the Nordic countries while respecting national differences and similarities. It increases the opportunities for speaking the Nordic region's interests internationally and to promote neighbourliness.

The working group for energy supply in sparsely populated areas in the Nordic Region – TBO - refers to the Nordic Committee of Senior Officials for Energy Policy under The Nordic Council of Ministers for Energy.

Sparsely populated areas are characterized by having only a weak or none at all connexion with a national grid or transmission network. TBO focuses on suitable solutions for decentralized energy supply, which can reduce the use of fossil fuels. Local renewable energy sources are the key issues, and maybe hydrogen may be one of the energy carriers of the future.

Energy efficiency and the use of cleaner energy sources are important topics in order to reduce the vulnerability in energy supply of remote communities and outlying districts.

TBO's mandate is to establish contacts and relations aiming to exchange information and experiences. This might later result in more joint policy making in the West Nordic Region and the North Atlantic Area.

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Key issues:

- Alternative energy sources and carriers of energy
- Ecodriving and ecosailing
- Energy management
- Fiscal policy
- Fuel economy regulation
- Fuel efficiency
- Demand management
- Greenhouse gas emissions
- Propulsion technologies
- Security of energy supply
- User pricing

Key definitions:

The infrastructure in the North Atlantic Countries provide mainly transport in vehicles and transport and fishing at sea between harbours. Transport by train is not available and air transport will not be part of this workshop. The workshop chooses the energy efficiency theme for:

- Vehicles and ships for passenger- and freight transport, and
- Ships and vessels for fishery and processing the catch at sea

Objectives for the TBO workshop 2008:

Is the Transport sector's dependency of fossil fuels inevitable in sparsely populated coastal and island regions?

How far is new technology achieving fuel efficiency?

How big are the benefits by changing behaviour in driving and sailing?

Where can political visions create better fuel economy both on land and at sea?

Expected results of TBO workshop 2008:

The presentations will be discussed during the workshop, which will publish the material.

The documents and data will hopefully provide elements for and result in a mini-white-book useful for the Nordic Energy Policy.

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Provisional Programme

The presenters are asked to put forward 3-5 questions about the topic
The questions are discussed in plenary and finishes each lecture

Wednesday 3 December 2008

09.30 – 10.30 Coffee and registration

10.30 – 10.45 Welcome to the workshop!

The chairman of TBO, Rasmus Sembach Olsen, Environment Agency, The Home Rule Government of Greenland

10.45 – 11.15 Opening speech: Driving and navigating in sparsely populated regions, and apparently an inevitable dependence of fossil fuels?

Representative for

Finishing with 15 minutes discussion of the speech and the topic

11.30 – 12.15 Conditions for supporting energy efficiency and use of renewable energy sources for vehicles and vessels

Representative for

Finishing with 15 minutes discussion of the speech and the topic

12.30 – 13.30 Lunch

13.30 – 14.15 Alternative fuels and propulsion technologies – where are we and what possibilities will be our immediate possibilities

Representative for

Finishing with 15 minutes discussion of the speech and the topic

14.15 – 15.00 Incentives in the structure of the West Nordic Countries that can lead to choosing the best available technology

Representative for

Finishing with 15 minutes discussion of the speech and the topic

15.00 – 15.15 Coffee

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15.15 – 16.00 The West Nordic Countries strategies and policies with consequences for fuel economy in driving and navigation. How to establish an energy and climate policy that consider the transport and fishing sector satisfactory?

Representative for

Representative for

Finishing with 15 minutes discussion of the speech and the topic

Thursday 4 December 2008

09.30 – 10.15 Effective and intelligent energy behaviour patterns in driving and navigation

Representative for

Finishing with 15 minutes discussion of the speech and the topic

10.15 – 11.00 Coffee

11.00 – 11.45 Influencing energy behaviour in transport and fishery – education, campaigns, marketing etc.

Representative for

Finishing with 15 minutes discussion of the speech and the topic

11.45 – 12.30 Control, surveillance, monitoring, and evaluation

Representative for

Finishing with 15 minutes discussion of the speech and the topic

12.30 – 13.30 Lunch

13.30 – 15.30 Finishing discussion. New elements and innovations for the strategies of the West Nordic countries' energy- and climate policies for driving and navigation

Is it possible to have a North Atlantic seaway with renewable and alternative energy and energy carriers – inspired by the Hydrogen highway of Norway – HyNor?

Wishes for development and research?

Strengths and weakness' in energy management and –regulations?

Do we need pilot projects – and if yes, then where?

How do we make the West Nordic Region a winner region giving substantial support to the policies for energy efficiency and fuel economizing?

End of Workshop

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Practical Information

Time and place: The Workshop is in the halls of Orkustofnun/National Energy Authority, Grensasvegur 9, 108 Reykjavik, tlf +569 6000 www.os.is from Wednesday December 3 at 09.30 to Thursday December 4 late afternoon.

Registration: Registration for the workshop is received by the TBO project secretary Margrethe Sorensen at margrethe@greenet.gl. (Please register not later than 20th October 2008).

Price: The workshop is free and includes coffee and lunch on both days.

Transport and Accommodation: The delegates take care of transport to and from Reykjavik and accommodation themselves.

Questions: About the workshop can be forwarded to the TBO project secretary Margrethe Sorensen, margrethe@greenet.gl or telephone: +299 322824/+299 242739.