

Nordic energy cooperation in energy efficiency and renewable energy in European perspective

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Action Programme for Nordic Cooperation on Energy Policy 2010-2013

- Builds on previous action plan 2006-2009
- Nordic countries active role in the fight against climate change and model for electricity markets in the EU
- Inter - Nordic issues as well as international dimension
- International level: EU, BASREC, NB 8, BEAC etc.
- Institutional set up
 - Nordic Council Ministers (energy)
 - Nordic Council (parliamentarians)
 - Rotating chairmanship in NCM
 - Finland 2011, Norway 2012

Nordic energy cooperation 2010-2013. Main priorities

- Electricity market - Build a borderless electricity market
- Renewable energy - Smooth integration of renewable energy into the energy systems
- Energy efficiency – Improve cost effective energy savings
- Sparsely populated areas – Ensure environmentally sound and efficient
- R & D – Strengthen Nordic position by developing clean energy technologies. Nordic Energy Research
- International cooperation – Strong and active players EU/EEA and neighbouring countries
- Nordic Baltic relations

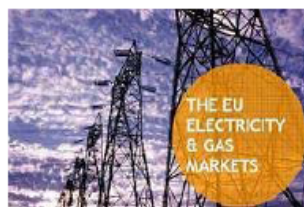
● Energy Policy development



Strategic Energy review



Energy and Climate Package



Third Internal Energy Market Package (ad)

Regulation on security of gas supply (ad)



Energy Infrastructure Instrument

Roadmap 2050

Energy Efficiency Plan



SET Plan



Second Strategic Energy Review



EEPR



External Energy Policy

Directorate-General for Energy



EU energy policy decisions on 3 x 20 in 2020. European Council March 2007

- 20 percent CO₂ reductions in 2020
- 20 percent renewable share in 2020
- 20 percent energy efficiency improvements in 2020
- Targets are EU total and presupposes differentiated efforts
- Endorsed on highest EU level together with an Energy Action Plan

Renewable energy in the European energy strategy

Key priorities are working in tandem:

- Europe 2020 strategy, resource efficiency – Renewables 20%
 - The creation of competition and the single market in energy encourages new, smaller entrants, including producers of renewable energy.
 - The development of European infrastructure helps integrate the single market but it also will help to integrate a growing share of renewable energy into our electricity system.
 - Europe's R&D programme also contains the Strategic Energy Technology Plan, helping develop renewable energy technology.
 - Energy Efficiency Plan, March 2011
- ❖ Key legislation: The Renewable Energy Directive

Situation for Norway. EEA and energy

- EEA is the most binding international legal agreement Norway has ever adopted
- EEA directives and regulations are included in annex IV to the agreement
- 28 directives and regulations have been included in this annex of the EEA agreement
- EEA not an arena for changing directives
- But some political and technical adaptations possible in the EEA Joint Committee
- Clusters of packages in process
- 30 legal acts in EEA process

Nordic energy cooperation – Renewable energy (I)

- Nordic countries have been pioneers on renewable energy
- High shares of renewable energy (year 2005)
 - I: 55%, NO:58%, DK:17,0%, FI: 28,5%, SWE: 39,8%
 - EU-average:8,5%
- Water, bioenergy, wind and geothermal
- Nordic countries very competitive and global/european leaders
- Common concern: Implementing EU Renewable directive in EU/EEA

Nordic energy cooperation – Renewable energy (II)

- Nordic ad hoc-group renewable energy created
- Implementing the renewable directive of the EU – including cooperation mechanisms
- Solutions for integrating large scale wind power into the electricity systems
- Local planning and approval procedures
- Nordic overview of biomass resources
- Marketing of Nordic solutions

Swedish-Norwegian Green Certificate Market

- Together with Sweden Norway has a goal of increasing the new renewable energy production by 26,4TWh in 2020
 - Norway and Sweden are responsible for financing 13,2 TWh each
- 26,4TWh represent 13 pre cent of total renewable energy production and 10 percent of total energy production in the two countries
- The green certificate market will be technology neutral
 - New renewable energy production will be given one certificate per MWh for a period of 15 years
- The common green certificate market is to take effect from 1st of January 2012 and last until 2035.

Nordic energy cooperation – energy efficiency

- Nordic adhoc group for energy efficiency
- Nordic countries have all created institutions and policy frameworks for energy efficiency
- Energy efficiency in housing and construction sectors
- Energy efficiency in transport
- Energy efficiency in industry
- Energy efficient products
- EU-EEA matters
- Nordic - Baltic 8

Nordic energy cooperation –energy efficiency priorities

- How can the public sector be a model (EU-approach with impact on Nordic countries)
- Energy efficiency initiatives from the EU
 - Energy efficiency plan (march 2011)
 - Energy efficiency in products, energy labelling and R&D
 - New energy efficiency directive in EU-negotiations now
 - Nordic cooperation in implementation
- International initiatives (Barents-cooperation, BASREC)



Thank you for the attention