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Fortum's electricity market review Keilaniemi 19.2.2008

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19/03/2008

Background of the Electricity Market Review

- The goal of Fortum's electricity market review is to give information about the Nordic electricity market and factors behind price development
- Information in this review is based on data from Nord Pool, Nordel, SMHI, Reuters and Fortum's own data
- Similar review is held once or twice a year both in Finland and Sweden



Price development since 2007

• comparison 2007-2008

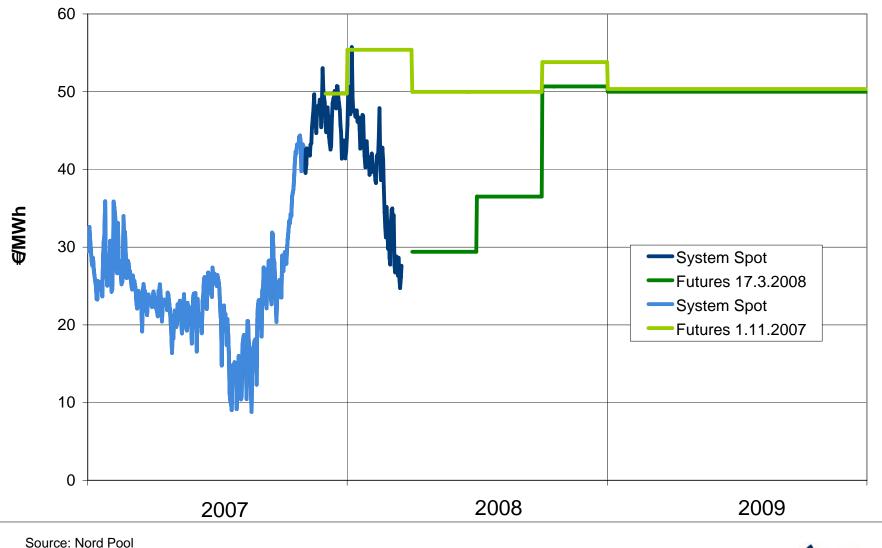
Development of the fundamentals

- hydro reservoirs
- CO₂ emission allowance price development
- fuel price development
- electricity production

Nordic and European wholesale price development
 spot prices and forward prices



Development of prices since last November -Prices on 17 March 2008





Price development since 2007

comparison 2007-2008

Development of the fundamentals

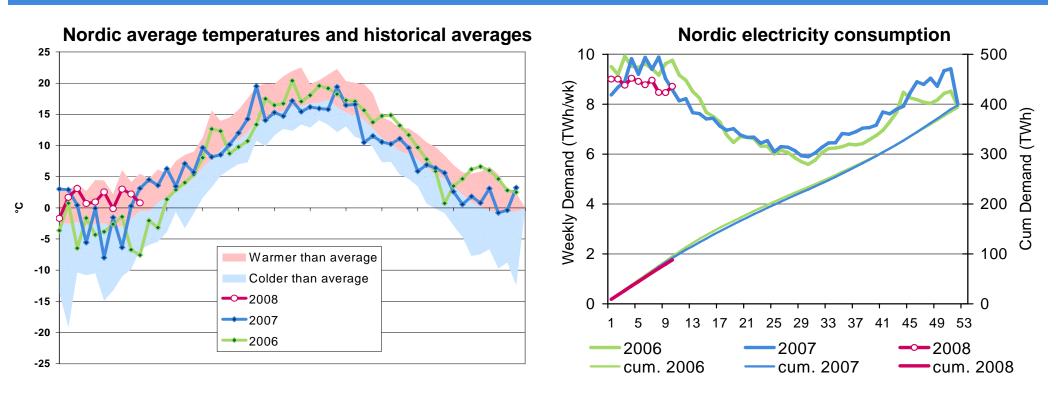
- hydro reservoirs
- CO₂ emission allowance price development
- fuel price development
- electricity production

Nordic and European wholesale price development • spot prices and forward prices



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Temperature and consumption in the Nordic



- Warmer than average temperatures during winter
- Precipitation above normal

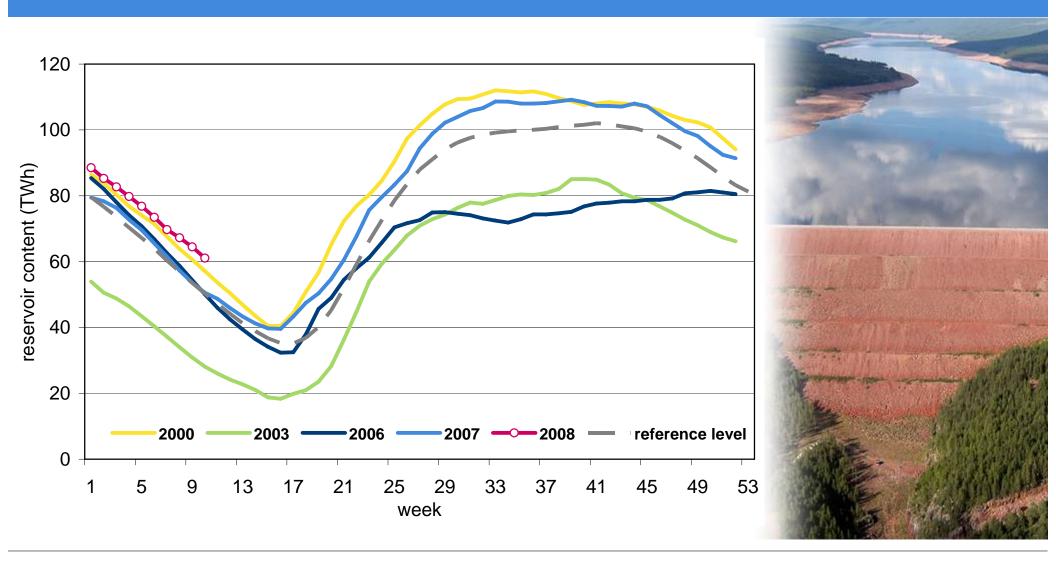


Source SMHI and Nordel

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Nordic hydro reservoirs 11 TWh above average



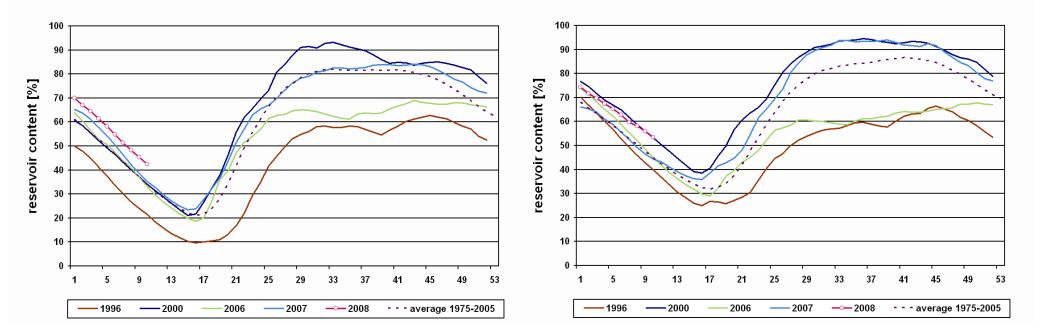
Source: Nord Pool



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Hydro reservoirs in Norway and Sweden

Water reservoirs in Norway, 100% = 81.7 TWh, week 10/2008 Water reservoirs in Sweden, 100% = 33.6 TWh, week 10/2008



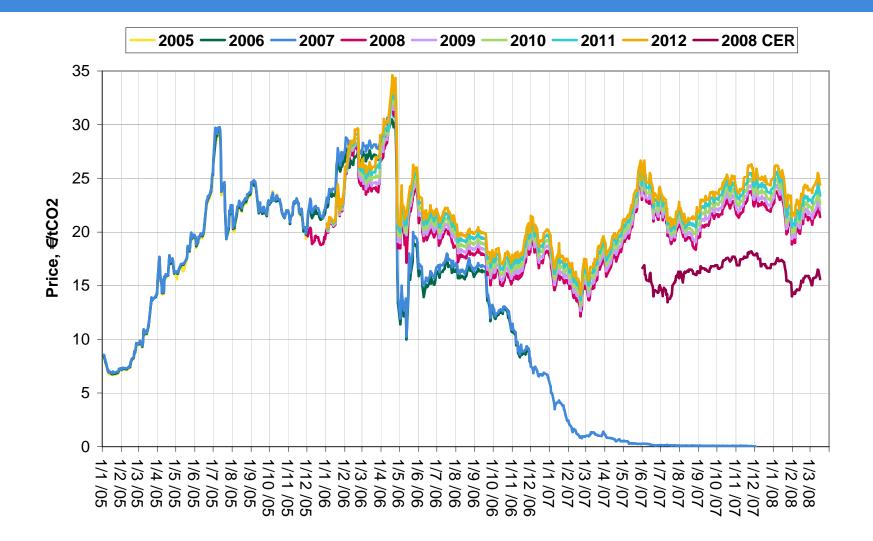
 In addition to hydro surplus there is estimated to be a significant snow surplus in Norway

Source: Nord Pool

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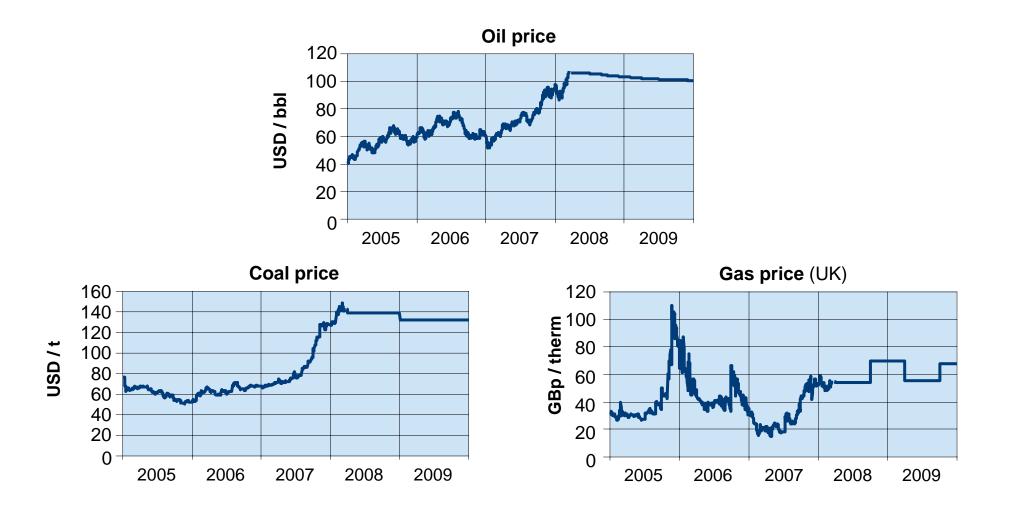
Price development for emission allowances



Source Nord Pool

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Fuel price development



Source: REUTERS (); market prices March 2008; 2008-2009 future quotations



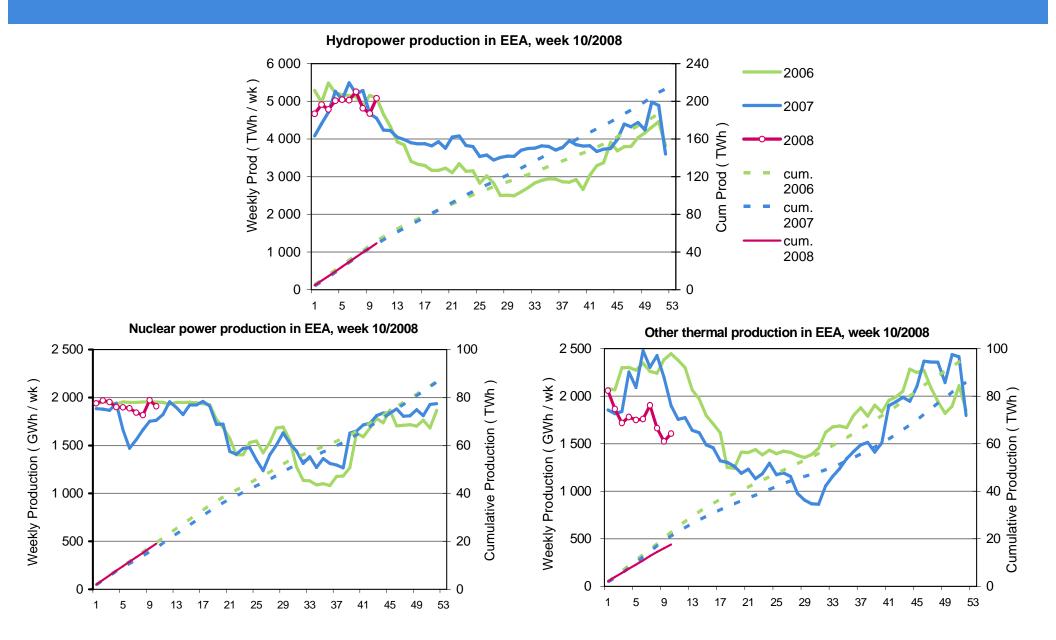
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Energy prices and global economic growth

- As the Nordic Energy prices are driven by fuel prices it is also driven by the global economic growth.
- Strong economical growth in China, India, Russia and countries in South America has caused increasing coal and oil prices
- The recession in USA and the turbulence on the financial markets has still not broken the increasing fuel price trend
- However, the situation in USA can potentially impact for example China's economy because about 20% of China's export goes to USA



Hydro, nuclear and thermal power production



Price development since 2007
 comparison 2007-2008

Development of the fundamentals

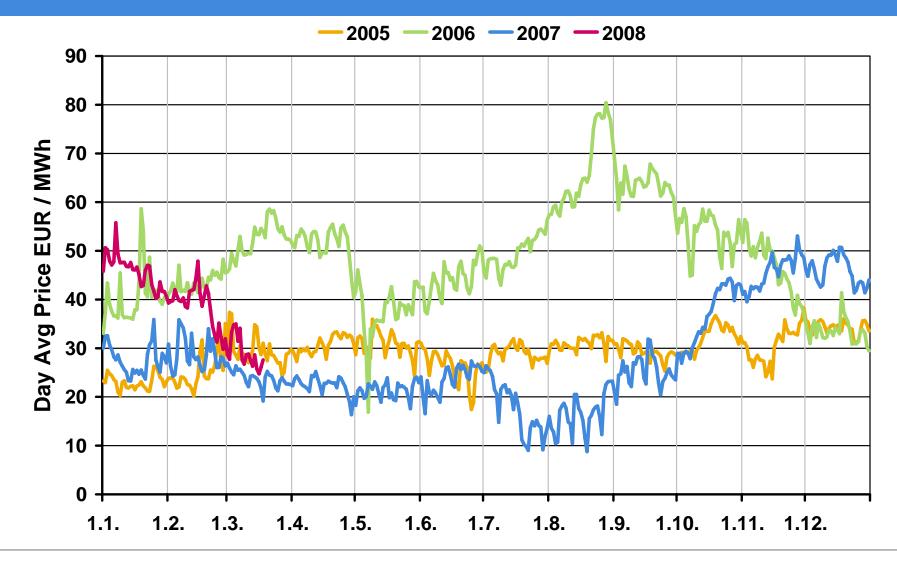
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Nordic and European wholesale price development
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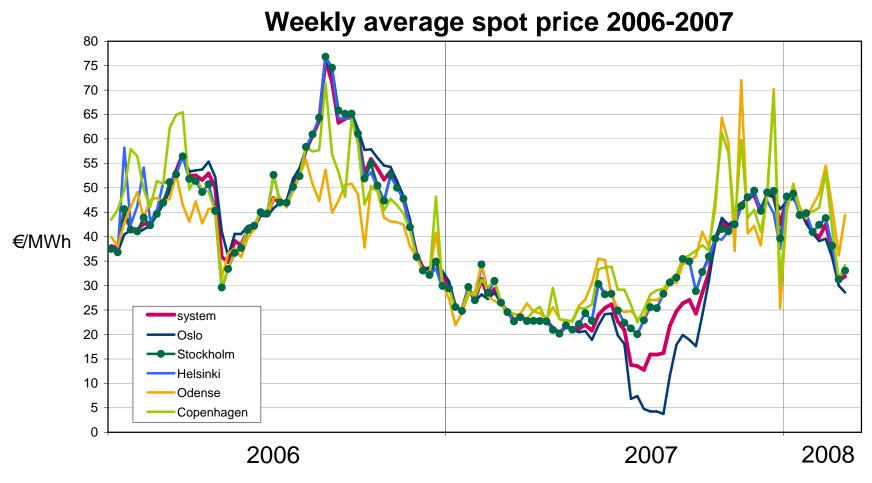
Nordic Spot-price development



Source: Nord Pool



Area price differences between Finland, Sweden and Norway "back to normal"

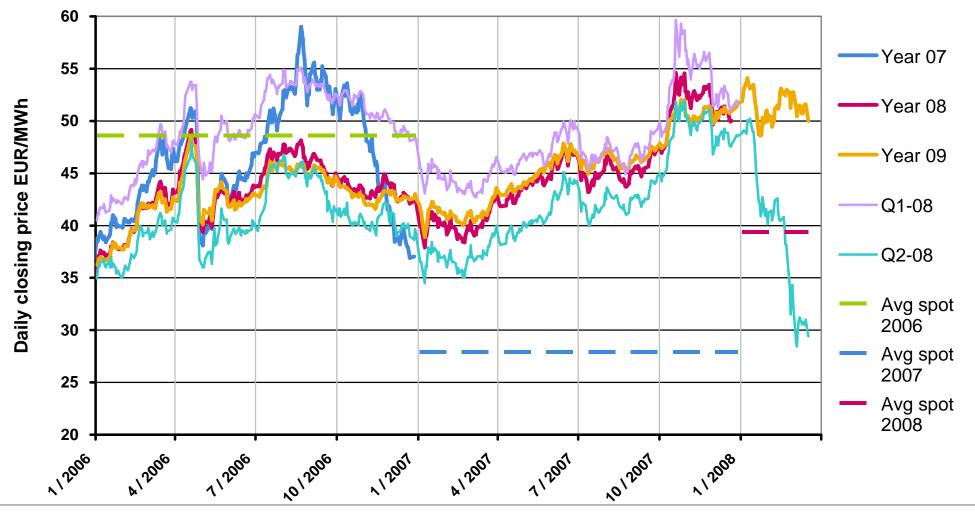


• Danish price reflects German price levels

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Source: Nord Pool

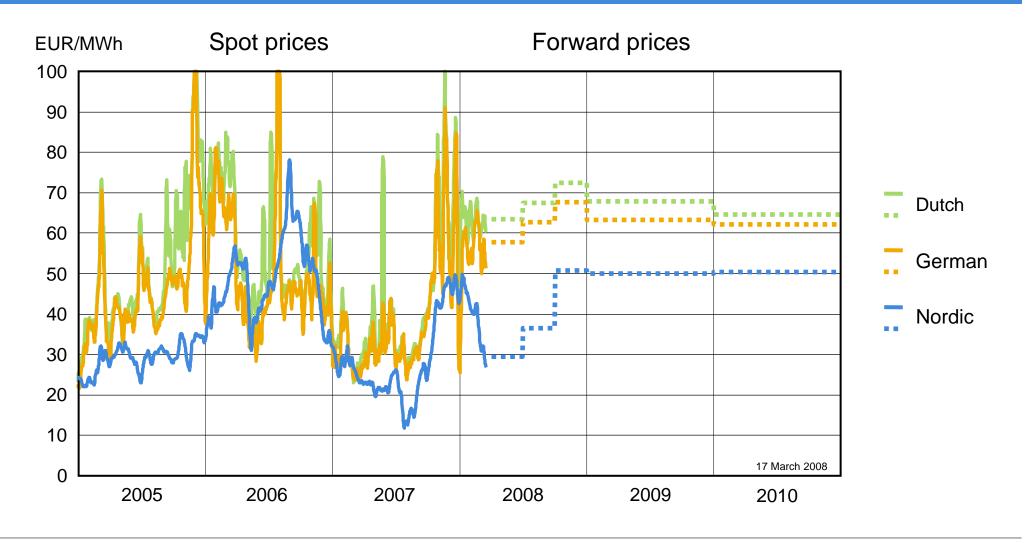
Nord Pool forward prices and historical spot average



Forward prices 17 March 2008 Source Nord Pool 19/03/2008 16



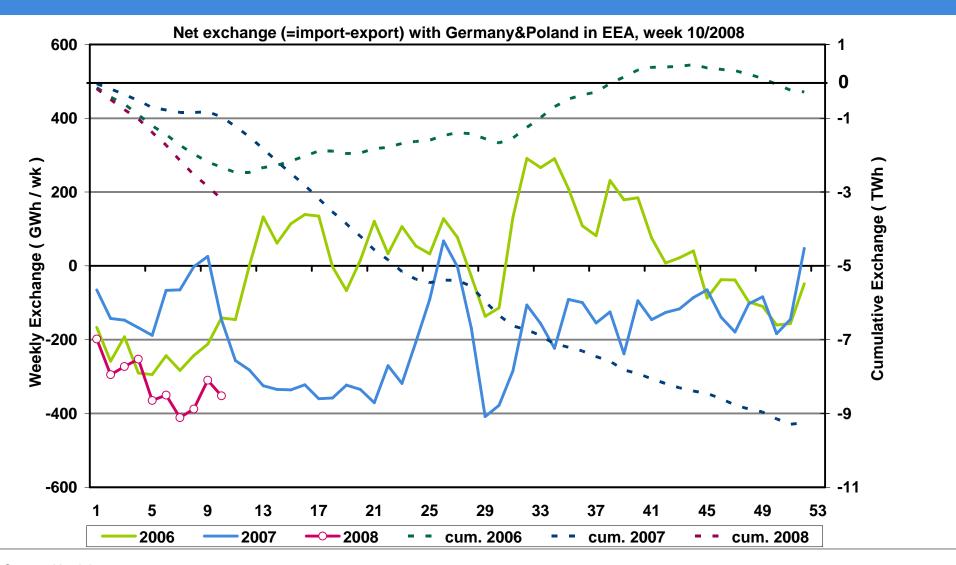
Continental wholesale prices for electricity currently clearly above the Nordic prices





Source: REUTERS

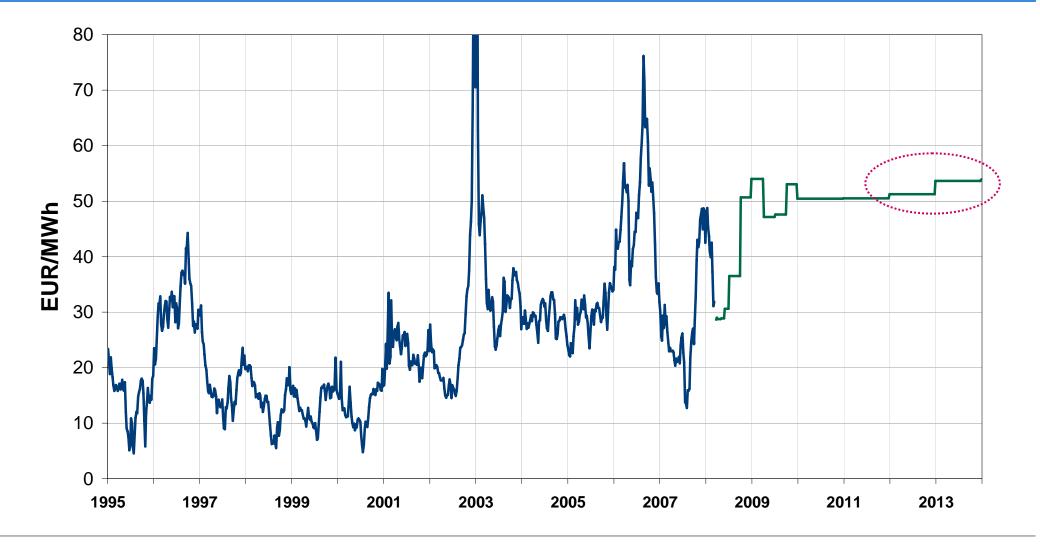
Already 3 TWh export from Nordic to Central Europe



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Source: Nordel

Nordic price history and future quotations until 2013



Source: Nord Pool, Forward prices 17 March 2008



Electricity Market Review, 19 March 2008

Fortum publishes a current electricity market review once or twice a year. Topics covered in the review include price development on the Nordic power market and factors influencing the development.

Summary:

- The Nordic wholesale prices have increased compared to last year but not as much as was expected. Lower then expected prices are mainly due to strong hydrological situation and warm weather.
- There is a surplus of 11 TWh in the Nordic water reservoirs compared to long term average and in addition there is estimated to be also more snow than average in Norway.
- Price for emission allowances for 2008 have been around 21 EUR/tCO₂ in March
- Wholesale prices in the Continental Europe have increased more compared to the Nordic as a result of increased CO₂, coal and oil prices. For 2008 the difference in future quotations between Nordic and Germany is up to 30 EUR/MWh when for the coming years it is about 15 EUR/MWh
- Higher continental prices have resulted in increased exports from Nordic to Germany

Further information:

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