

# Vattenfall Capital Markets Day

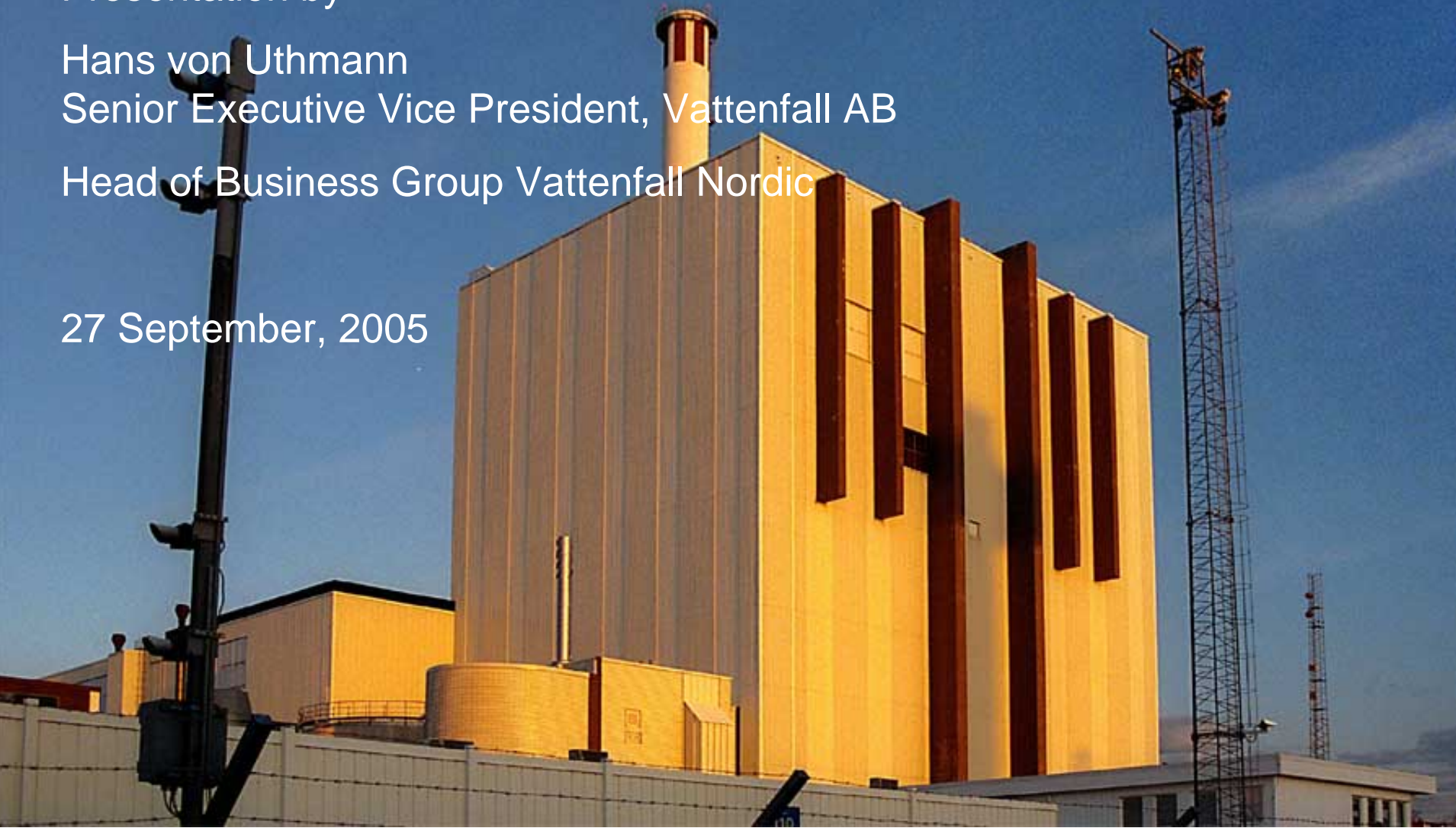
Presentation by

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Head of Business Group Vattenfall Nordic

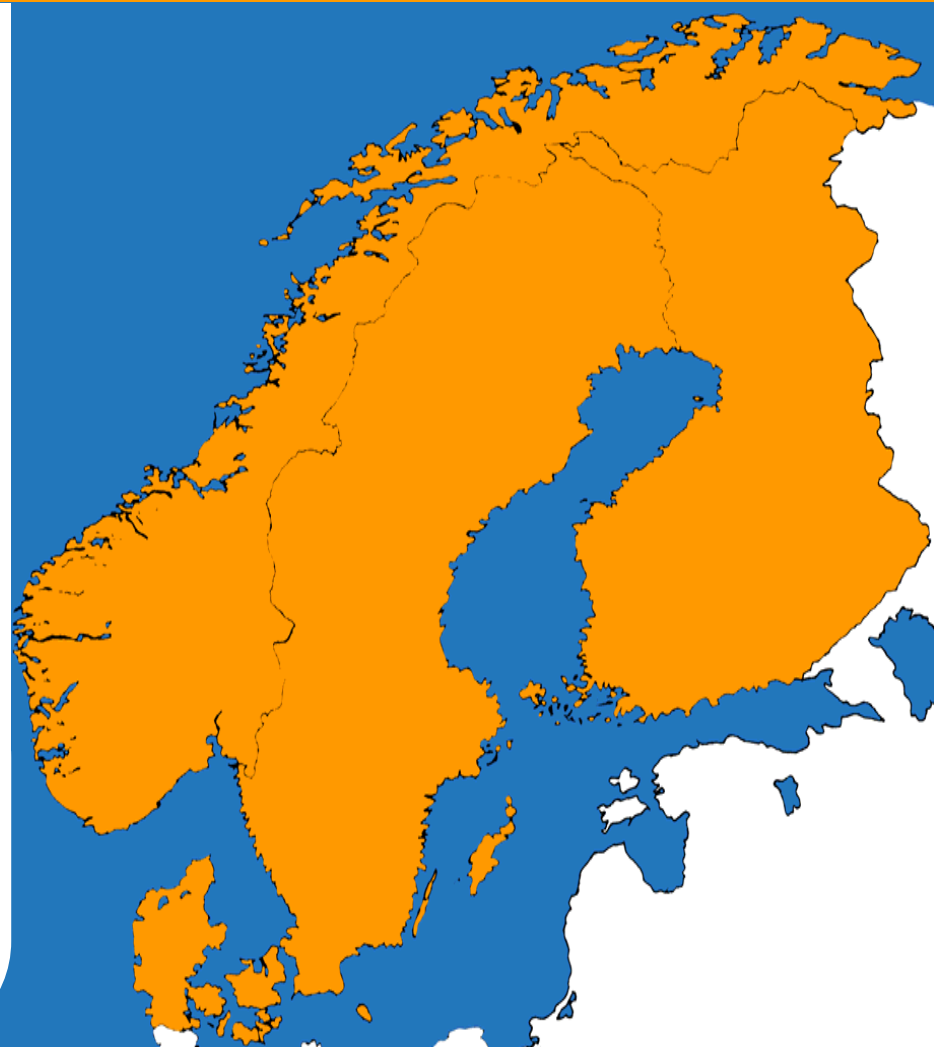
27 September, 2005



# This is Business Group Nordic

	Total Market consumption	Vattenfall's sales	Population	Customers
<b>Sweden</b>	<b>146 TWh</b>	<b>45.2 TWh</b>	<b>9 025 M</b>	ca <b>900.000</b>
<b>Finland</b>	<b>87 TWh</b>	<b>6.2 TWh</b>	<b>5 200 M</b>	ca <b>400.000</b>
<b>Denmark</b>	<b>35 TWh</b>	<b>1.1 TWh</b>	<b>5 400 M</b>	n.a
<b>Norway</b>	<b>120 TWh</b>	<b>1.4 TWh</b>	<b>4 500 M</b>	n.a

2004 – full year figures



# Development 2003-2005

## Business Group Nordic

	2003	2004	2005
<b>EBIT, MSEK</b>	8 990	12 215	12 378 (LTM as of 30 June)
<b>Net Assets*, MSEK</b>	58 180	57 186	67 735 (30 June)
<b>Employees (FTE)</b>	8 531 **	8 744	8 899 (30 June)

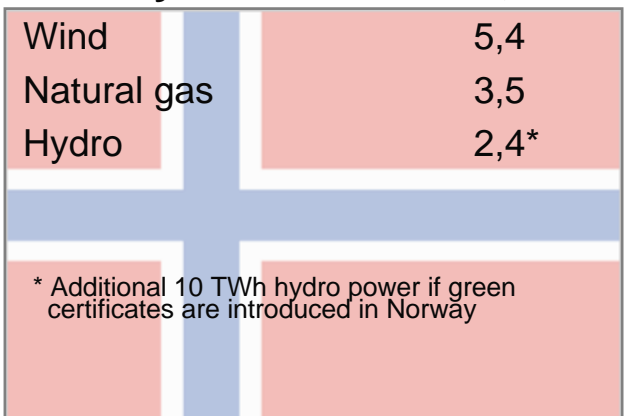
\* The figure for Net Assets 2003 is calculated according to Swedish GAAP and is not comparable with the figures for 2004-2005 which are calculated according to IFRS.

\*\* Sweden + Finland

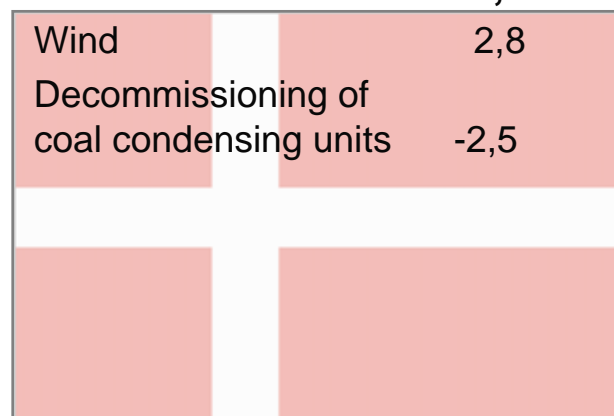


# Changes in Base Power 2005 – 2015

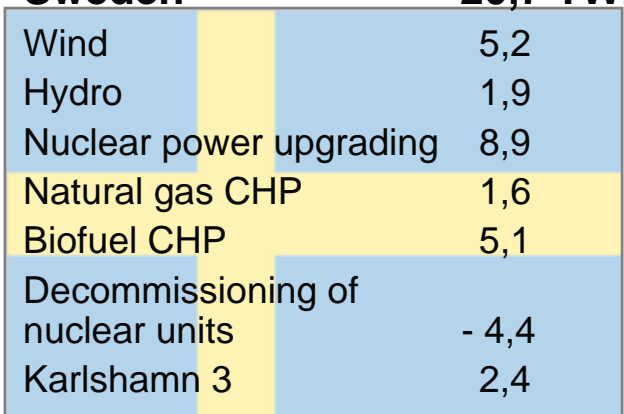
## Norway 11,3 TWh



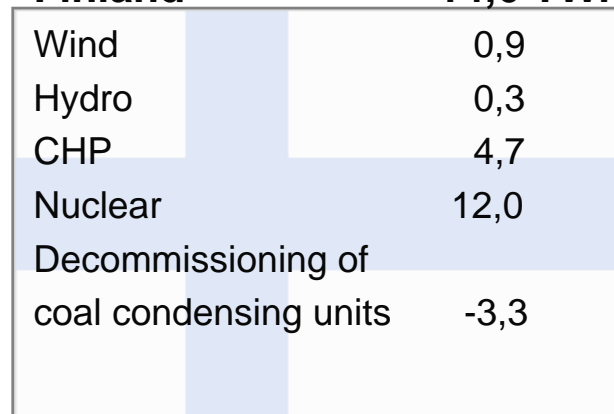
## Denmark 0,3 TWh



## Sweden 20,7 TWh



## Finland 14,6 TWh



**Total: 46,9 TWh**  
 (\* 56,9 TWh)

**Increased electricity use 24,9 TWh**

# Market position in the Nordic area

**Generation:** 18% of 380 TWh

## Networks:

### Local:

Sweden	17% of 5 200 000 customers
Finland	12% of 3 000 000 customers

### Regional:

Sweden	50% of 150 TWh
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## Sales:

Sweden	33% of 150 TWh
Finland	6% of 85 TWh

## Heat:

Sweden	11 % of 45 TWh
Finland	3% of 30 TWh



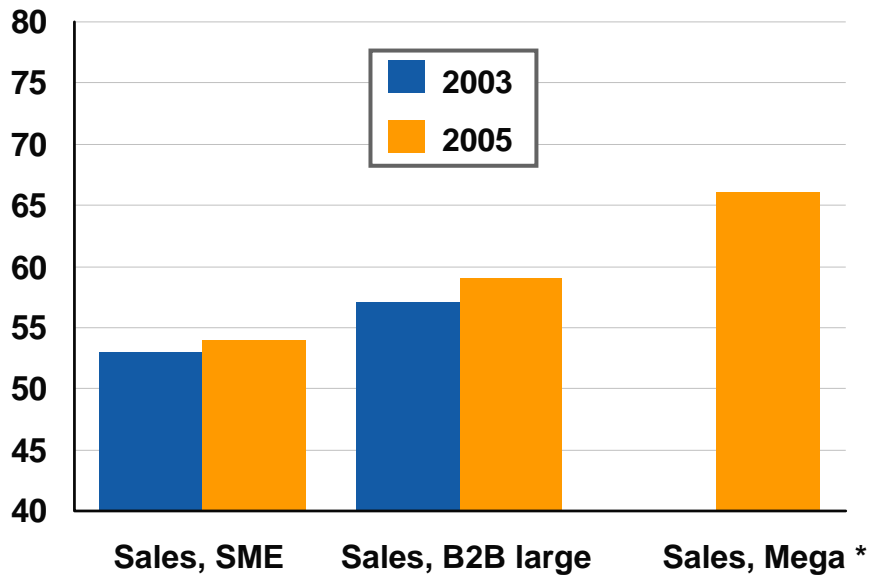
# Important events in 2005

- The storm "Gudrun"
- Windpower investments
- Closure of Barsebäck 2
- Major investment in Denmark

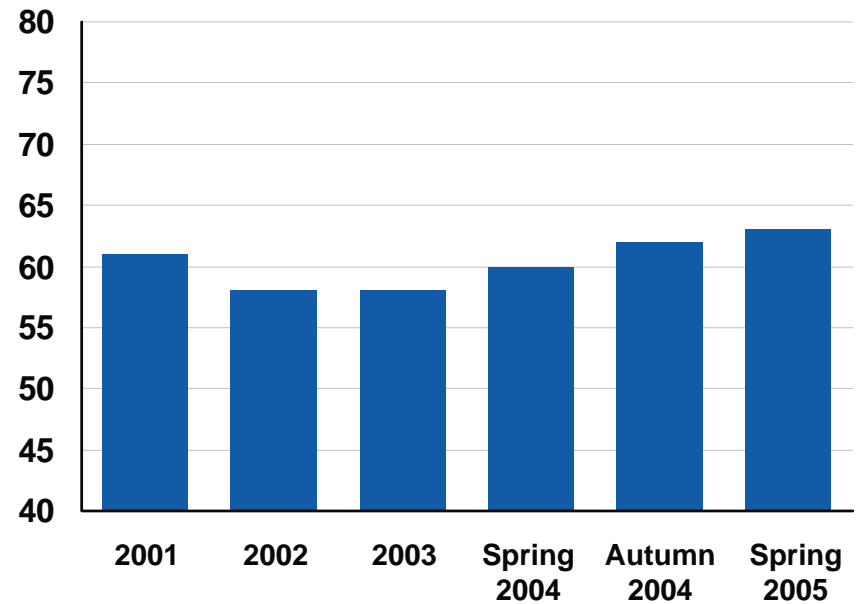


# Customer satisfaction for business unit Sales

**Customer Satisfaction Index**  
Sales B2B, development (Sweden)



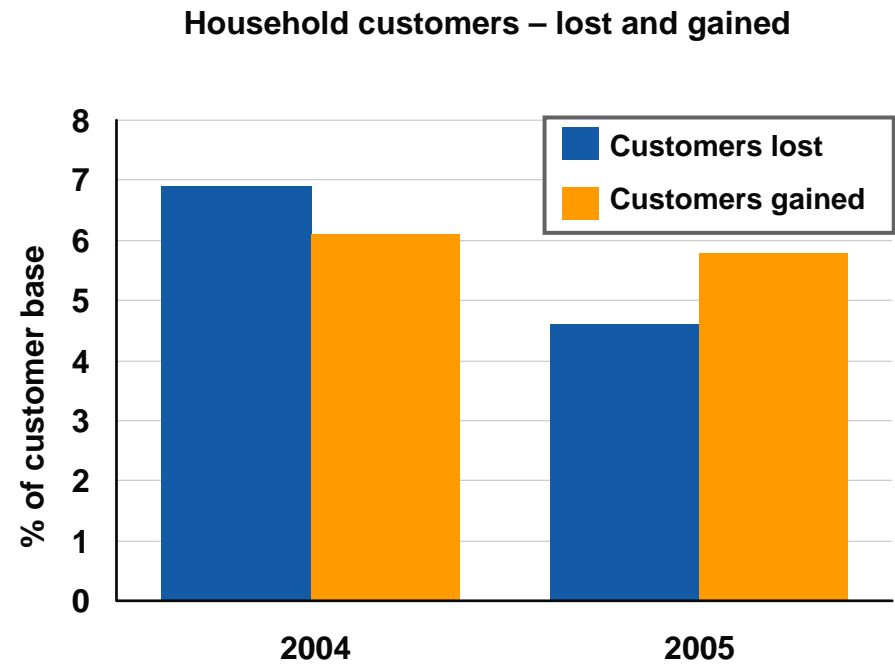
**Customer Satisfaction Index**  
Sales B2C, development (Sweden)



- Not possible to make a comparison between 2003 and 2005 in the case of the Mega category, but the overall customer satisfaction has increased.

# Household customers gained and lost

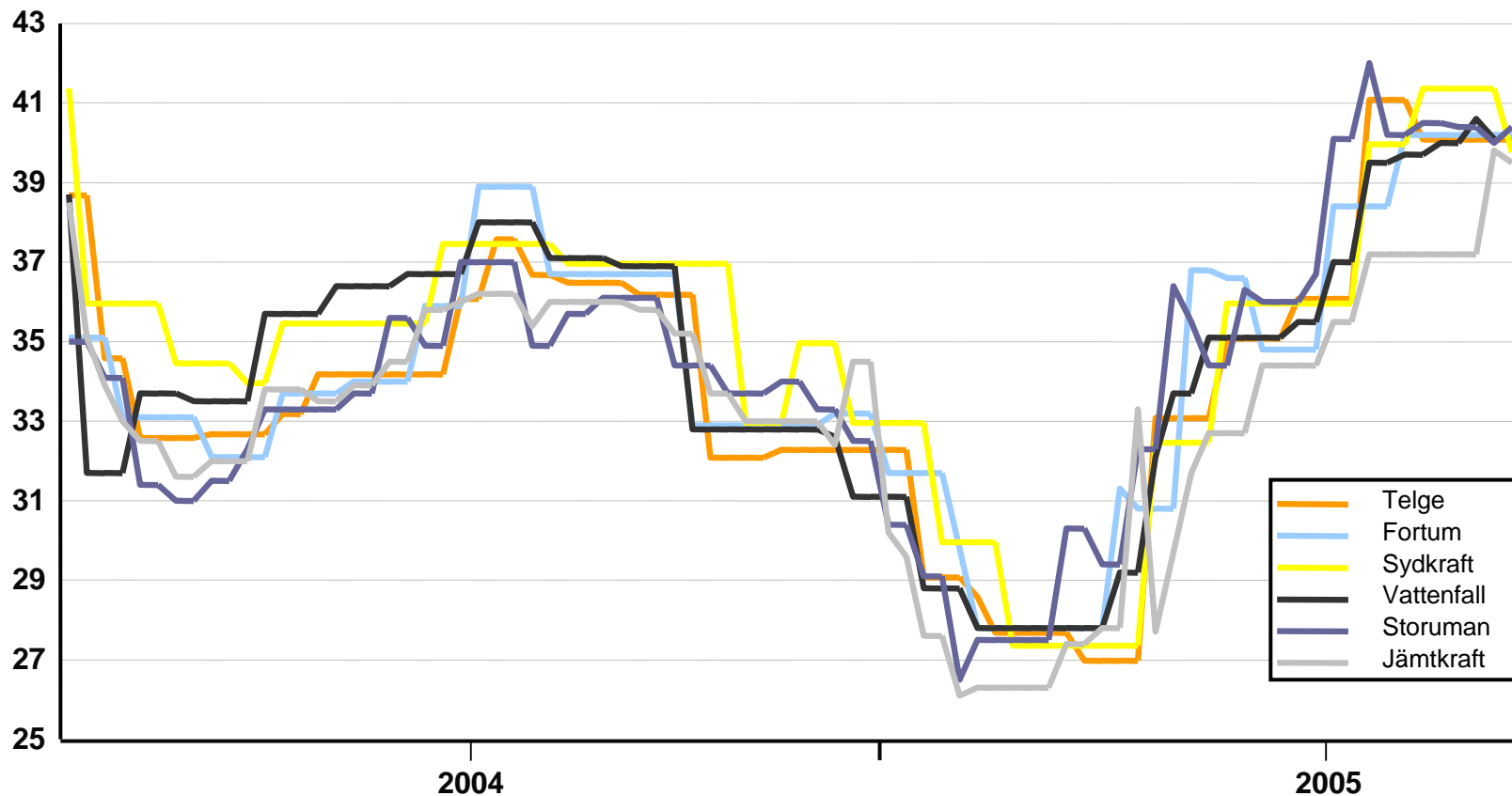
YEAR	Percentage of customer base lost	Percentage of customer base gained
2004	6.9%	6.1%
2005 (Jan. 1 - Aug. 31)	4.6%	5.8%





# Price Benchmark 2004-2005

Competitor benchmark 2004-2005;  
1-year contract incl. fixed fee (20 000 kWh/year)



# Investments in Sweden

## Investments in the coming 10 years

Hydro power – renewal of plants	6.5	bn
Örestad's wind power farm	1.5	bn
Distribution network – quality improvement (5 years)	10.0	bn
AMR-project	1.2	bn
Nuclear – renewal of plants	18.0	bn
Nuclear – increase in power (+5,6 TWh)	6.0	bn
Customer service programme – “Number 1 for the customer”	2.0	bn
	<b>45.2</b>	<b>bn SEK</b>



# Renewable energy

## Windpower

In Sweden we have 40 windpower plants that generate 60 GWh and thus we are one of Sweden's largest windpower generators. Our market share is approximately 9%.

## Biofuels and waste

Vattenfall is one of the largest users of biofuel in the world. Over 50% (4 TWh) of Vattenfall's total heat production in the Nordic countries is based on bio fuels and waste.

## Hydro power

In the course of a normal year we generate 32 TWh. We are one of the biggest hydro power generators in the Nordic countries with a market share of approximately 17%.



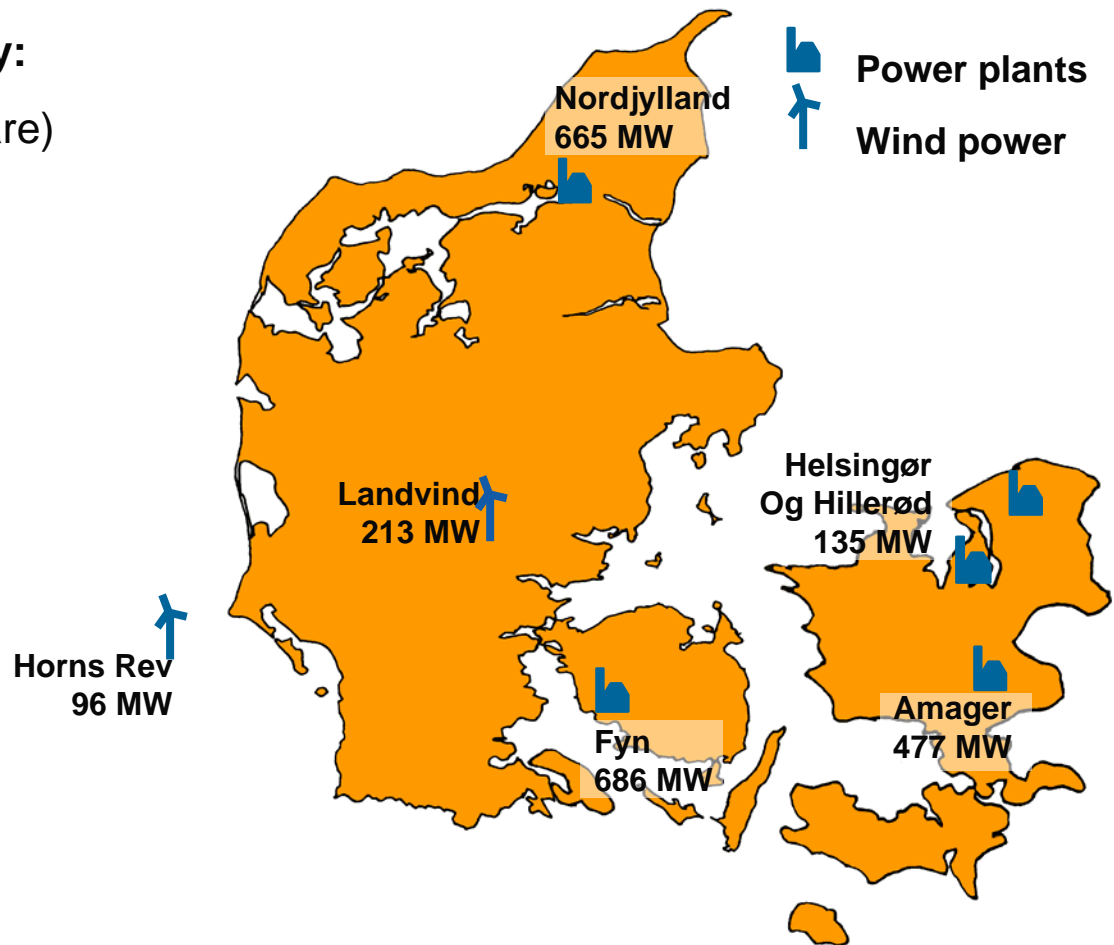
# Vattenfall aims to be the leading windpower producer

- Today 60 GWh of 679 GWh = 9 %
- Including Karlskrona (60 GWh) = 739 GWh
- Including Örestad (330 GWh) = 1,069 GWh
- Including Krigers flak (1640 GWh) = 2,709 GWh
- Including Denmark (323 GWh) = 3,032 GWh



# Denmark

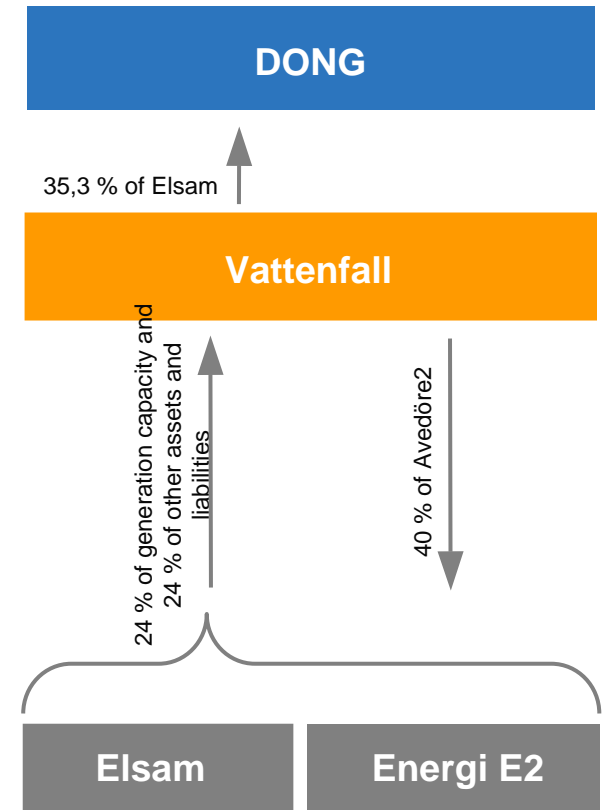
- **Vattenfall's production capacity:**  
approx. 2,300 MW<sub>el</sub> (pro rata share)
- **Annual production:**  
9 TWh electricity and 6 TWh heat
- **Employees:** approx. 650



Vattenfall will take over 60 % (= 96 MW) of Horns Rev

# Transaction – main terms and conditions

- In exchange for its 35.3% stake in Elsam and its share in Avedöre2, Vattenfall shall take over approx. 24% of the generation capacity of Elsam/Energi E2
- Vattenfall shall take over approx. 24% of the remaining assets and liabilities of Elsam/Energi E2 (excl. Nesa) such as employees, stock, tax items and net liabilities
- Co-operation agreement and joint ownership of certain assets such as harbours, waste product facilities etc
- Management agreement in place
- EU competition authorities



# Key issues and challenges going forward

- EU rules
- Network regulation
- Future for nuclear power
- Electricity prices
- Heat prices
- Image and Customer Satisfaction
- Renewables
- Integration of Danish assets

# SWOT

## Strengths

- Low cost production
- Market leadership in retail and production Sweden
- Strong asset base and Nordic market presence
- Large and growing share of CO<sub>2</sub>-free production in portfolio
  - Hydro
  - Nuclear
  - Wind

## Threats

- Customer confidence
- Political pressure
- Unstable tax regimes





# Thanks for listening!