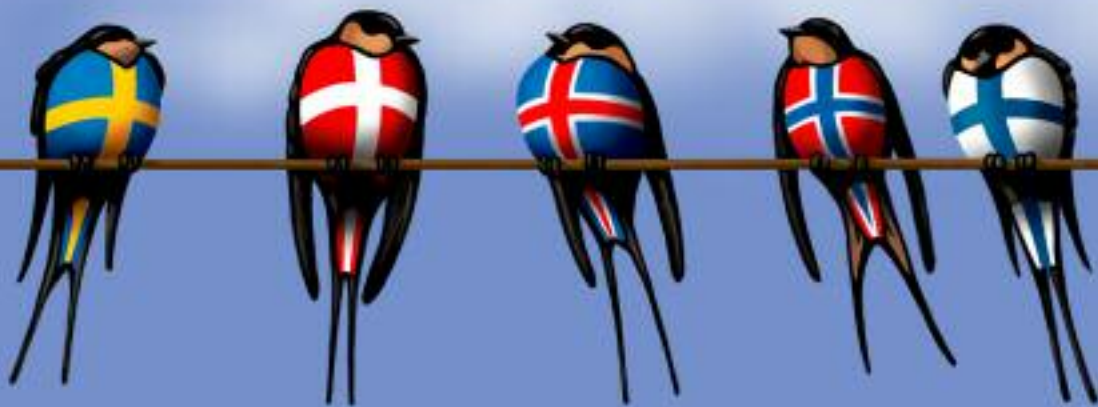


Annual statistics 2005



Statistics

Units and symbols	3
Key figures for 2005	3
Installed capacity	4
System load	7
Interconnections	8
Electricity generation	10
Water reservoirs	13
Exchange of electricity	14
Electricity consumption	17
Total energy supply	19
Available capacity	20
Prognosis	20
Prices and turnover	21
Definitions	23
Contact information	24

Responsible for statistical data on the individual countries

Mogens R. Pedersen, Energinet.dk, Denmark East

Lars Byberg, Energinet.dk, Denmark West

Jussi Matilainen, Fingrid Oyj, Finland

Ragnar Stefánsson, Landsnet hf., Iceland

Jan Foytn, Nord Pool ASA, Norway

Svein Magnus Henningsen, Statnett SF, Norway

Agata Persson, Svenska Kraftnät, Sweden

Responsible for processing of the statistics

Jan Foytn, Nord Pool ASA, Norway

Units and symbols

kW	kilowatt
MW	megawatt = 1,000 kW
GW	gigawatt = 1,000 MW
J	joule
kJ	kilojoule
PJ	petajoule = 10 ¹⁵ J
kWh	kilowatt-hour = 3,600 kJ
MWh	megawatt-hour = 1,000 kWh
GWh	gigawatt-hour = 1,000 MWh
TWh	terawatt-hour = 1,000 GWh
~	Alternating current (AC)
=	Direct current (DC)
-	Data are non-existent
..	Data are too uncertain
0	Less than 0.5 of the unit given

Production and consumption data are based on preliminary figures.

Key figures for 2005

		Nordel	Denmark	Finland	Iceland	Norway	Sweden
Population	mill.	24.6	5.4	5.3	0.3	4.6	9.0
Total consumption	TWh	402.7	35.7	85.0 ²⁾	8.7	125.9	147.3
Maximum load ¹⁾	GW	60.6	6.0	12.2	1.1	18.2	23.1
Electricity generation	TWh	403.6	34.4	67.9	8.7	137.9	154.7
Breakdown of electricity generation:							
Hydro power	%	57	0	20	81	99	46
Nuclear Power	%	23	-	33	-	-	45
Other thermal power	%	18	81	47	0	1	8
Wind power	%	2	19	0	-	0	1
Geothermal power	%	-	-	-	19	-	-

¹⁾ Measured 3rd Wednesday in January ²⁾ Estimated reduction of the total consumption by approx. 3.5 TWh due to an industrial dispute in Finland. - = Data are non-existent 0 = Less than 0,5 %

Installed capacity

S1a Installed capacity¹⁾ by production types on 31 Dec. 2005, MW

	Denmark	Finland	Iceland	Norway	Sweden	Nordel
Installed capacity total¹⁾	12,677	16,617	1,507	28,793	33,212	92,806
Nuclear power	.	2,671	.	.	8,961	11,632
Other thermal power	9,529	10,847	116	244	7,576	28,312
- Condensing power	1,192 ²⁾	3,286	.	0	2,298	6,776
- CHP, district heating	7,518	3,904	.	131	2,626	14,179
- CHP, industry	549	2,876	.	49	1,029	4,503
- Gas turbines etc.	270	781	116	64	1,623	2,854
Hydro power	10	3,017	1,159	28,268	16,150	48,604
Wind power	3,138	82	.	281	525	4,026
Thermal power			232			232
Commissioned in 2005	238	50	5	583	325	1,201
Decommissioned in 2005	271		6	170	664	1,111
Mothballed³⁾	93	255			500	848

¹⁾ Refers to the sum of the rated net capacities of the individual power plant units in the power system, and should not be considered to represent the total capacity available at any single time.

²⁾ Includes power plants producing 100% condensing in Denmark. The rest is included in CHP, district heating.

³⁾ Mothballed capacity that can be recommissioned by decision of the power plant owner. All mothballed plants are considered as unavailable no matter how long in advance the decision of recommissioning must be taken. Mothballed capacity is not included in the total installed capacity.

S1b Installed capacity¹⁾ by main energy source on 31 Dec. 2005, MW

	Denmark	Finland	Iceland	Norway	Sweden	Nordel
Installed capacity, total¹⁾	12,677	16,617	1,507	28,793	33,212	92,806
Nuclear power	.	2,671	.	.	8,961	11,632
Fossil fuels²⁾	8,394	8,561	116	64	4,984	22,119
Renewable power	4,283	5,385	1,391	28,729	19,267	59,055
- Hydro power	10	3,017	1,159	28,268	16,150	48,604
- Bio fuel	853	2,142		96	2,372	5,463
- Waste	282	144		84 ⁴⁾	220	730
- Wind power	3,138	82		281	525	4,026
- Thermal power			232		.	
Commissioned in 2005	238	50	5	583	325	1,201
Decommissioned in 2005	271		6	170	664	1,111
Mothballed³⁾	93	255			500	848

¹⁾ Refers to the sum of the rated net capacities of the individual power plant units in the power system, and should not be considered to represent the total capacity available at any single time.

²⁾ Includes coal, oil, gas, etc.

³⁾ Mothballed capacity that can be recommissioned by decision of the power plant owner. All mothballed plants are considered as unavailable no matter how long in advance the decision of recommissioning must be taken. Mothballed capacity is not included in the total installed capacity.

⁴⁾ Includes energy recovery from industry.

S2 Average-year generation of hydro power in 2005, GWh

	Denmark	Finland	Iceland	Norway	Sweden	Nordel
Average-year generation 2005	-	13,080	7,014	119,723	65,000	204,817
Average-year generation 2004	-	13,060	6,790	118,829	65,000	203,679
Change	-	20	224	894	0	1,138
Reference period	-	1961-90	1950-00	1970-99	1950-00	

Installed capacity

S3 Changes in installed capacity in 2005

Power category	Power plant	Com- missioned MW	Decomm- issioned MW	Change in average -year generation (hydro power) GWh	Type of fuel
Denmark East					
Condensing power	H.C. Ørstedsværket B9		12		Natural gas/oil
CHP	Kyndbyværket B50	2			Oil
	H.C. Ørstedsværket B1+4		70		Oil
	Østkraft		2		Miscellaneous
Wind power	Decentralised CHP	3	1		Miscellaneous
Denmark - West					
CHP	Fynsværket B3	3			Natural gas
	Fynsværket B7		2		Coal
	Nordjyllandsværket B2		10		Coal
	Nordjyllandsværket B3	8			Coal
	Randersværket	8			Coke, Cinders
	Vestkraft B3	1			Coal
	Decentralised CHP	22			Natural gas
				4	Biofuel
				37	Waste
				1	Other
CHP, industry	Local CHP	26			Diesel
		8			Natural gas
			5		LPG
			3		Biofuel
			2		Waste
			5		Oil
			2		Coal
			9		Coke, Cinders
			36		Natural gas
			17		Biofuel
Hydro power		54			Waste
Wind power	Miscellaneous	13	2		
Finland					
Hydro power	Petäjäkoski II	18		21	
CHP, district heating	Pursiala	32			Biofuel
Iceland					
Geothermal power	Nesjavellir	30			
Norway					
Hydro power	Follafoss	47	25		
	Tunnsjødal	176	145		
	Miscellaneous	250			
Wind power	Smøla 2	110			
Sweden					
Hydro Power	Miscellaneous	13			
CHP, district heating	Johannes	23			Biofuel
	Miscellaneous	52	49		
CHP, industry	Södra Cell, Mörrum	23			Biofuel
	Miscellaneous	31	5		
Nuclear power	Barsebäck		600		
	Forsmark	57			
	Ringhals		10		
Wind power	Miscellaneous	83			

Installed capacity

S4 Power plants (larger than 10 MW): decisions taken

Power category	Power plant	Capacity MW	Estimated start-up Year	Average-year generation (hydro power) GWh	Type of fuel
Denmark - East					
Wind power	Rødsand Havmøllepark 2	200	2009		
Denmark - West					
Wind power	Horns Rev 2	200	2009		
Finland					
Hydro power	Petäjäskoski III	20	2006	21	
	Ossauskoski I - III	31	2007 - 2009	47	
	Sierilä	44	2009 - 2012	155	
	Pirttikoski I - II	30	2010 - 2011	30	
Nuclear power	Olkiluoto 3	1,600	2009		
Iceland					
Hydro power	Kárahnjúkar	690	2007	4,600	
Geothermal	Hellisheidi	80	2006		
	Reykjanes	100	2006		
Norway					
Hydro power	Grunnåi	15	2006	54	
	Bláfalli-Vik	150	2006	106	
	Breiava	15	2006	54	
	Innvik	15	2006	57	
	Funna	11	2007	13	
	Kløtveit	10	2007	41	
	Hunsfoss	14	2007	65	
Gas power	Kårstø	420	2007		
Wind power	Hundhammerfjellet 3	25	2006-2007		
Sweden					
Nuclear power	Forsmark 2	50	2006		
CHP, industry	Miscellaneous	160	2006-2007		Biofuel
CHP, district heating	Ryaverket	260	2006		Natural gas
	Miscellaneous	50	2006-2007		Bio
Wind power	Miscellaneous	110	2006-2007		

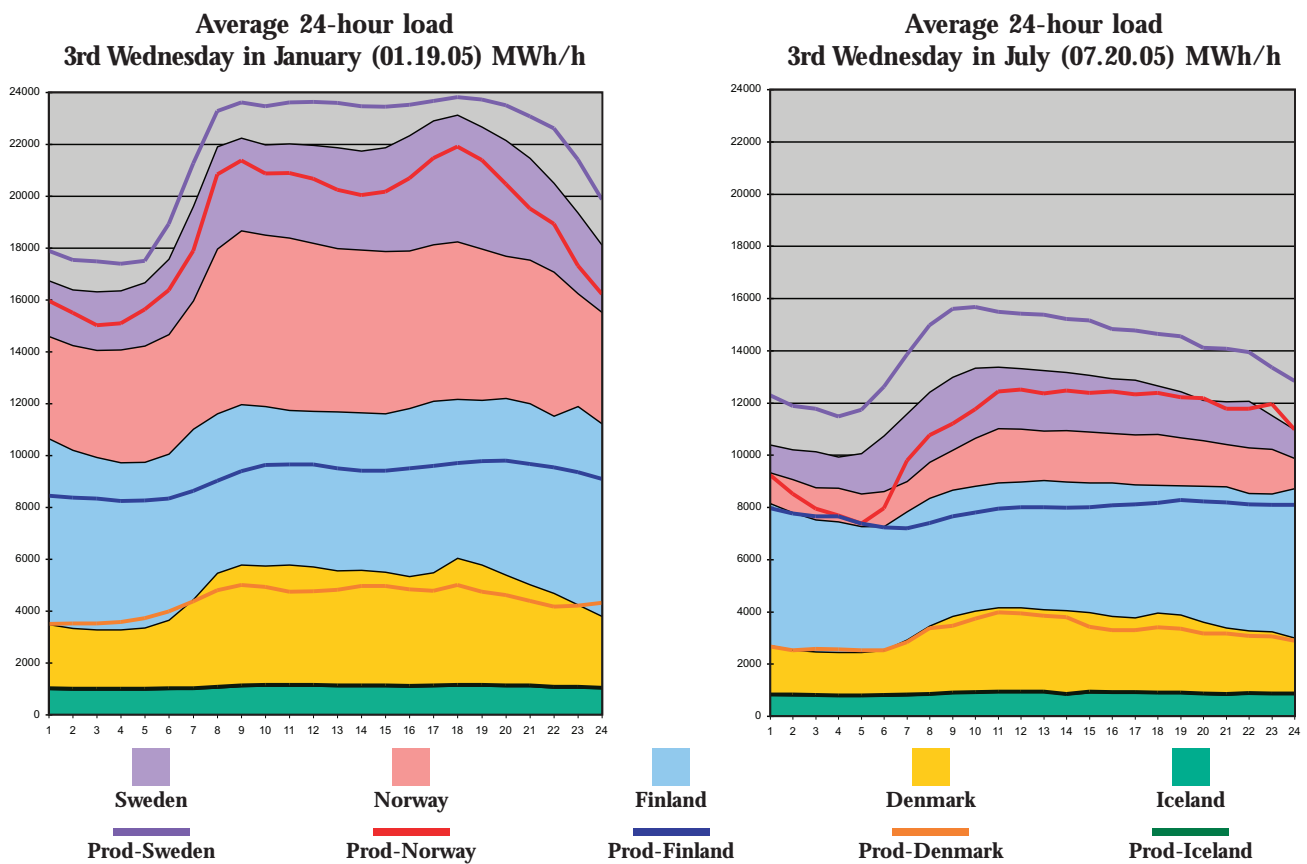
System load

S5 Maximum system load for each country in 2005 ¹⁾

	MWh/h	Date/time
Denmark - West	3,698	11.29.05 05.00 - 06.00 pm
Denmark - East	2,619	01.25.05 05.00 - 06.00 pm
Finland	13,500	01.28.05 07.00 - 08.00 pm
Iceland	1,162	01.18.05 06.00 - 07.00 pm
Norway	21,401	03.02.05 08.00 - 09.00 am
Sweden	25,800	03.03.05 08.00 - 09.00 am

¹⁾ The system load is not corrected vs. temperatures and is local time

System load 3rd Wednesday in January and in July 2005



Maximum system load 3rd Wednesday in January and in July 2005

	3rd Wednesday in Jan 2005 5:00 - 6:00 PM - MWh/h	3rd Wednesday in July 2005 12:00 - 01:00 PM - MWh/h
Denmark	6,033	4,081
Finland	12,167	9,026
Iceland	1,106	911
Norway	18,238	10,931
Sweden	23,127	13,236
Nordel	60,671	38,185

All hours are local time

Interconnections

S6 Existing interconnections between the Nordel countries

Countries/Stations	Rated voltage/kV	Transmission capacity as per design rules ¹⁾ MW		Total length of line km	Of which cable km
		From Denmark	To Denmark		
Denmark West - Norway					
Tjele-Kristiansand	250/350=	1,000	1,000	240/pol	127/pol
Denmark East - Sweden					
Teglstrupgård - Mörap 1 and 2	132~	1,350	1,750	23	10
Gørløsegård - Söderåsen	400~			70	8
Hovegård - Söderåsen	400~			91	8
Hasle (Bornholm) - Borrby	60~	60	60	48	43
Denmark West - Sweden					
Vester Hassing - Göteborg	250=	290	270	176	88
Vester Hassing - Lindome	285=	380	360	149	87
Finland - Norway					
Ivalo - Varangerbotn	220~	100	100	228	-
Finland - Sweden					
Ossauskoski - Kalix	220~	1,600 ²⁾	1,200 ²⁾	93	-
Petäjaskoski - Letsi	400~			230	-
Keminmaa - Svartbyn	400~			134	-
Rauma - Forsmark	400=	550	550	235	200
Tingsbacka (Åland) - Senneby	110~	80	80	81	60
Norway - Sweden					
Sildvik - Tornehamn	132~	1,000 ⁴⁾	1,300 ^{3,4)}	39	-
Ofoten - Ritsem	400~			58	-
Røssåga - Ajaure	220~			117	-
Nea - Järpstrømmen	275~			100	-
Linnvasselv, transformator	220/66~	50	50	.	-
Lutufallet - Höljes	132~	40	20	18	-
Eidskog - Charlottenberg	132~	100	100	13	-
Hasle - Borgvik	400~	2,150 ⁴⁾	2,150 ^{4,5)}	106	-
Halden - Skogssäter	400~			135	-

¹⁾ Maximum permissible transmission.

²⁾ In certain situations, the transmission capacity can be lower than the limit given here.

³⁾ Thermal limit. Stability problems and generation in nearby power plants may lower the limit.

⁴⁾ The transmission capacity can in certain situations be lower, owing to bottlenecks in the Norwegian and Swedish network.

⁵⁾ Requires a network protection system during operation (generated tripping).

Interconnections

S7 Existing interconnections between the Nordel countries and other countries

Countries/Stations	Rated voltage/kV	Transmission capacity/MW		Total length of line/km	Of which cable/km
Denmark West - Germany		From Nordel	To Nordel		
Kassø - Audorf	2 x 400~	] 1,200]	800 ³⁾	107	-
Kassø - Flensburg	220~			40	-
Ensted - Flensburg	220~			34	-
Ensted - Flensburg	150~			26	5
Denmark East - Germany					
Bjæverskov - Rostock	400=	600	600	166	166
Finland - Russia		From Nordel	To Nordel		
Imatra - GES 10	110~	-	100	20	-
Ylikkälä - Viborg ²⁾	2 x 400~	] - ]	1,400	2 x 67	-
Kymi - Viborg ²⁾	400~			132	-
Nellimö - Kaitakoski	110~			-	60	50	-
Norway - Russia		From Nordel	To Nordel		
Kirkenes - Boris Gleb	154~	50	50	10	-
Sweden - Germany		From Nordel	To Nordel		
Västra Kärstorp - Herrenwyk	450=	600 ¹⁾	600 ¹⁾	269	257
Sweden - Poland		From Nordel	To Nordel		
Stärnö - Slupsk	450=	600	600	256	256

¹⁾ The transmission capacity is currently limited to 460 MW from Nordel and 390 MW to Nordel due to limitation in the German network.

²⁾ Back to Back HVDC (+85 kV =) in Viborg and synchronous operation of NWPP power plant.

³⁾ The transmission capacity to the north is limited to 800 MW due to internal restrictions in Denmark West.

S8 Interconnections and grid reinforcement: decisions taken

Countries/Stations	Rated voltage kV	Transmission capacity as per design rules MW	Total length of line km	Of which cable km	Estimated commissioning Year
Norway - Netherlands					
NorNed (Fedå - Eemshaven)	±450=	700	580	580	2007
Finland - Sweden					
Fenno-Skan 2 (Rauma - Finnböle)	500	800	300	200	2010
Finland-Estland					
Estlink (Espoo-Harku)	±150	350	105	74	2006

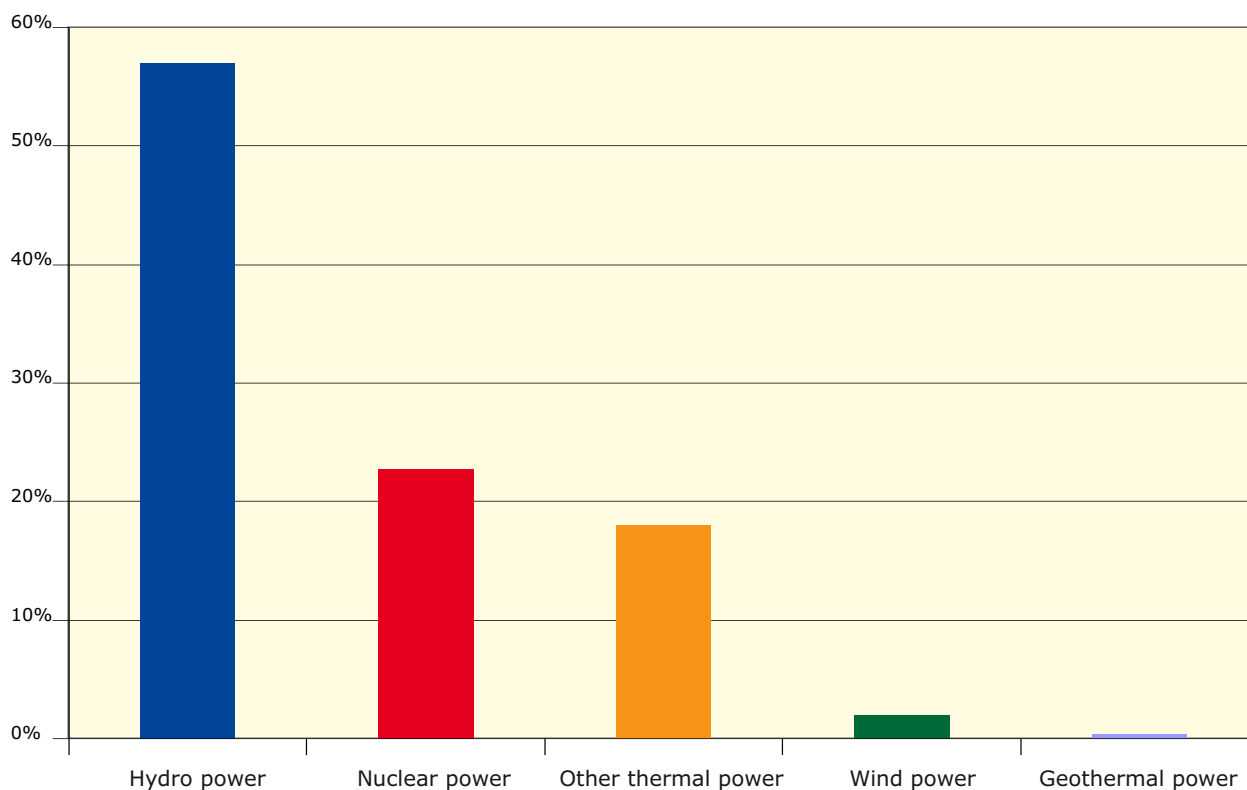
S9 Transmission lines of 110-400 kV in service on 31 Dec. 2005

	400 kV, AC and DC km	220-300 kV, AC and DC km	110, 132, 150 kV km
Denmark	1,400	500	4,100
Finland	4,400	2,400	15,900
Iceland	226 ¹⁾	523	1,168
Norway	2,100	5,600	10,500
Sweden	11,100	4,600	15,000

¹⁾ At present in service with 220 kV.

Electricity generation

S10 Total electricity generation within Nordel 2005



S11 Electricity generation 2005, GWh

	Denmark	Finland	Iceland	Norway	Sweden	Nordel
Total generation	34,353	67,862	8,679	137,948 ²⁾	154,729	403,571
Nuclear power	.	22,334	.	.	69,461	91,795
Other thermal power	27,715	31,764	8	976	12,195	72,658
- Condensing power		5,680	.	0	513	6,193
- CHP, district heating	25,886 ¹⁾	14,446	.	89	6,315	46,736
- CHP, industry	1,829	11,623	.	531	5,336	19,319
- Gas turbines, etc.	0	15	8	356	31	410
Hydro power	23	13,597	7,013	136,465	72,143	229,241
Wind power	6,615	167	.	507	930	8,219
Geothermal power	.	.	1,658	.	.	1,658
Total generation 2004	38,370	82,155	8,621	110,545 ²⁾	148,758	388,449
Change as against 2004	-10.5%	-17.4%	0.7%	24.8%	4.0%	3.9%

¹⁾ Includes condensing production

²⁾ Gross production

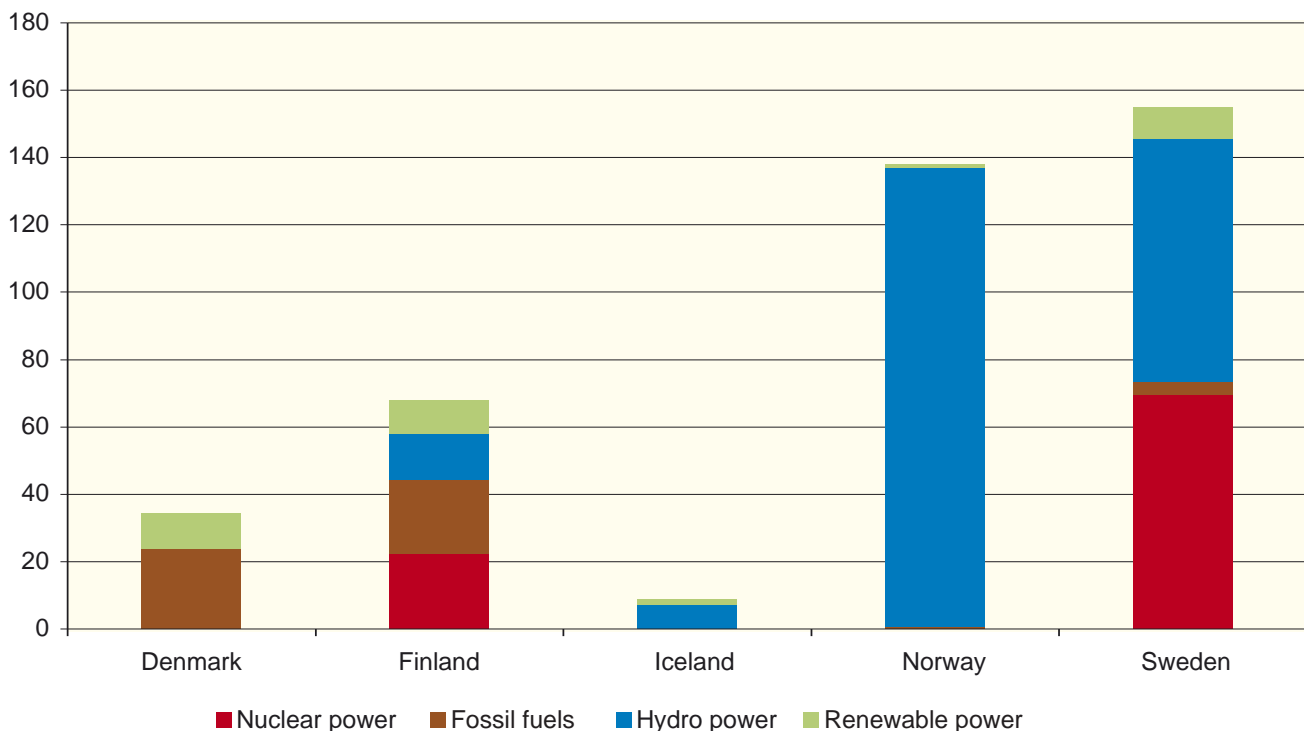
Electricity generation

S12 Total electricity generation by energy source and net exchange of electricity 2005, TWh

	Denmark		Finland		Iceland		Norway		Sweden		Nordel	
	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004	2005	2004
Total generation	34.4	38.4	67.9	82.1	8.7	8.6	138.0	110.5	154.7	148.8	403.7	388.4
Total thermal power	23.6	29.0	44.2	56.0	0.0	0.0	0.4	0.4	73.4	80.2	141.6	165.6
- Nuclear power	.	.	22.3	21.8	.	.	.	.	69.5	75.0	91.8	96.8
- Other thermal power ¹⁾	23.6	29.0	21.9	34.2	0.0	0.0	0.4	0.4	3.9	5.2	49.8	68.8
- Coal	14.5	17.8	7.0	15.8	.	.	.	.	1.1	1.5	22.6	35.1
- Oil	0.3	1.1	1.5	1.8	.	.	.	.	1.4	2.2	3.2	5.1
- Peat	.	.	4.5	6.5	.	.	.	.	0.1	0.1	4.6	6.6
- Natural gas	8.6	10.0	8.9	10.1	0.0	0.0	0.4	0.4	0.7	0.8	18.6	21.3
- Others ²⁾	0.2	0.1	.	.	.	.	.	.	0.6	0.6	0.8	0.7
Total renewable power	10.8	9.4	23.7	26.1	8.7	8.6	137.6	110.1	81.3	68.6	262.1	222.8
- Hydro power	0.0	0.0	13.6	14.9	7	7.1	136.5	109.2	72.1	60.1	229.2	191.3
- Other renewable power	10.8	9.4	10.1	11.2	1.7	1.5	1.1	0.9	9.2	8.5	32.9	31.5
- Wind power	6.6	6.6	0.2	0.1	.	.	0.5	0.3	0.9	0.9	8.2	7.9
- Biofuel	2.9	1.4	8.9	10.1	.	.	0.3	0.3	7.4	6.8	19.5	18.6
- Waste	1.3	1.4	1.0	1.0	.	.	0.3	0.3	0.9	0.8	3.5	3.5
- Geothermal power	.	.	.	.	1.7	1.5	.	.	.	.	1.7	1.5
Import (+)/export (-)	1.4	-2.9	17.1	5.0	.	.	-12.0	11.5	-7.4	-2.0	-0.9	11.6

¹⁾ Fossil fuels

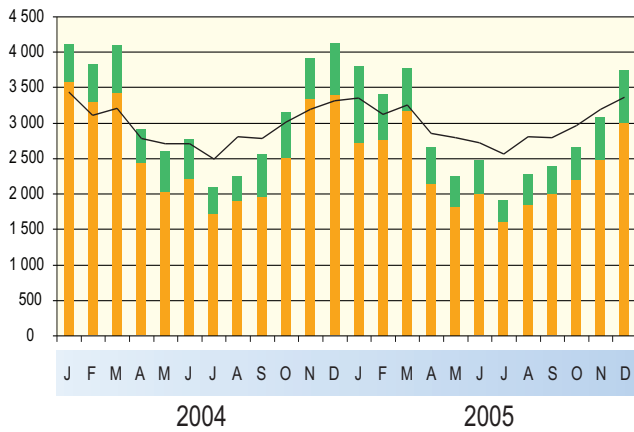
²⁾ DK West refinery gas



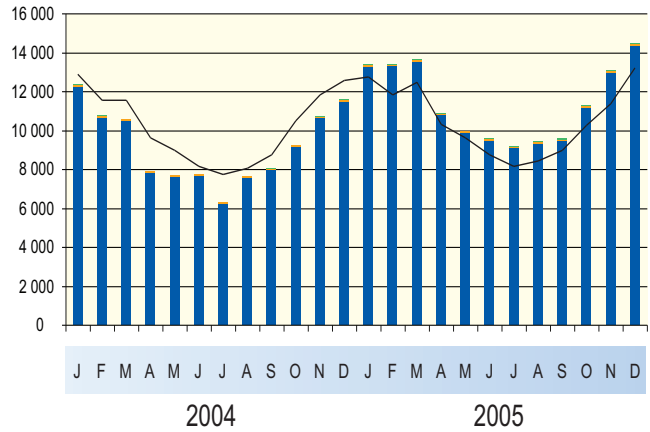
Electricity generation

S13 Monthly generation and total consumption of electricity 2004-2005, GWh

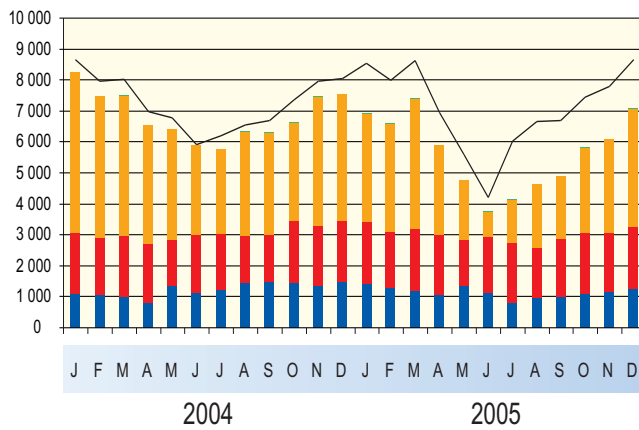
Denmark



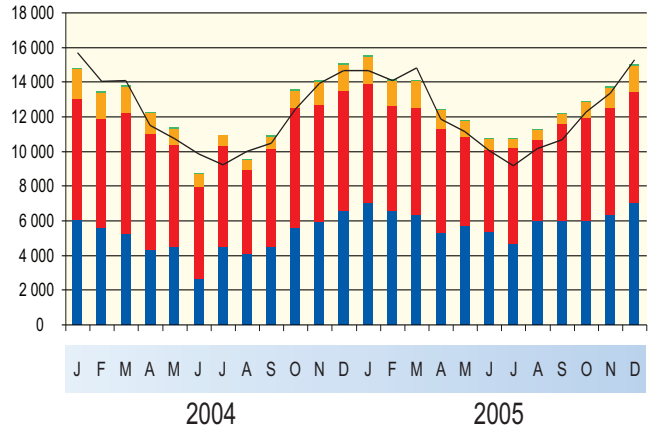
Norway



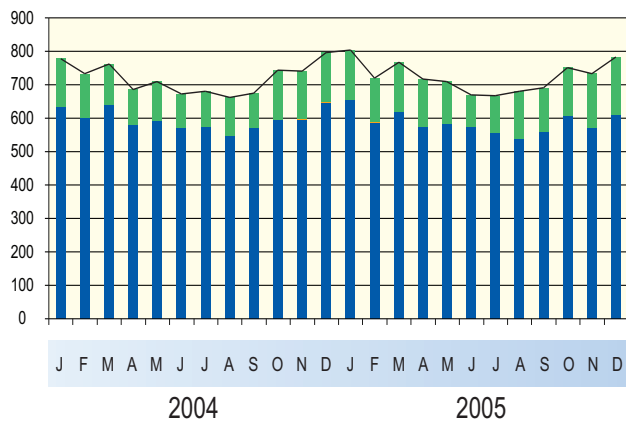
Finland



Sweden



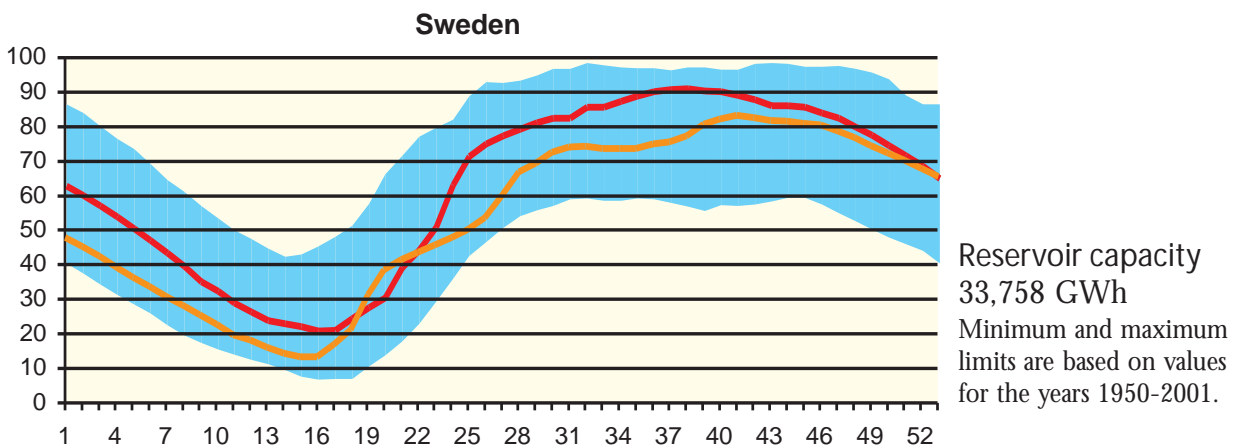
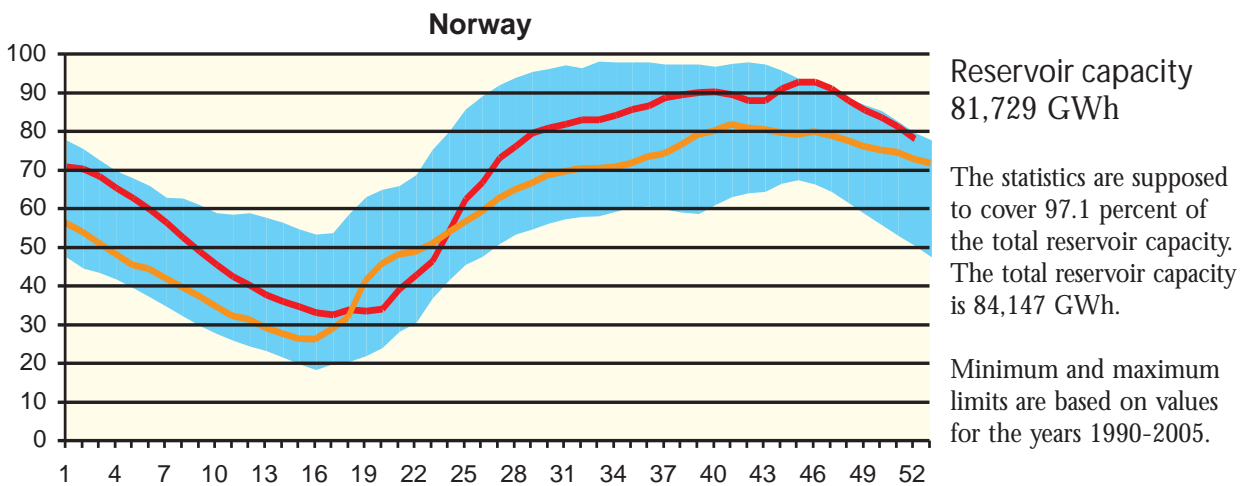
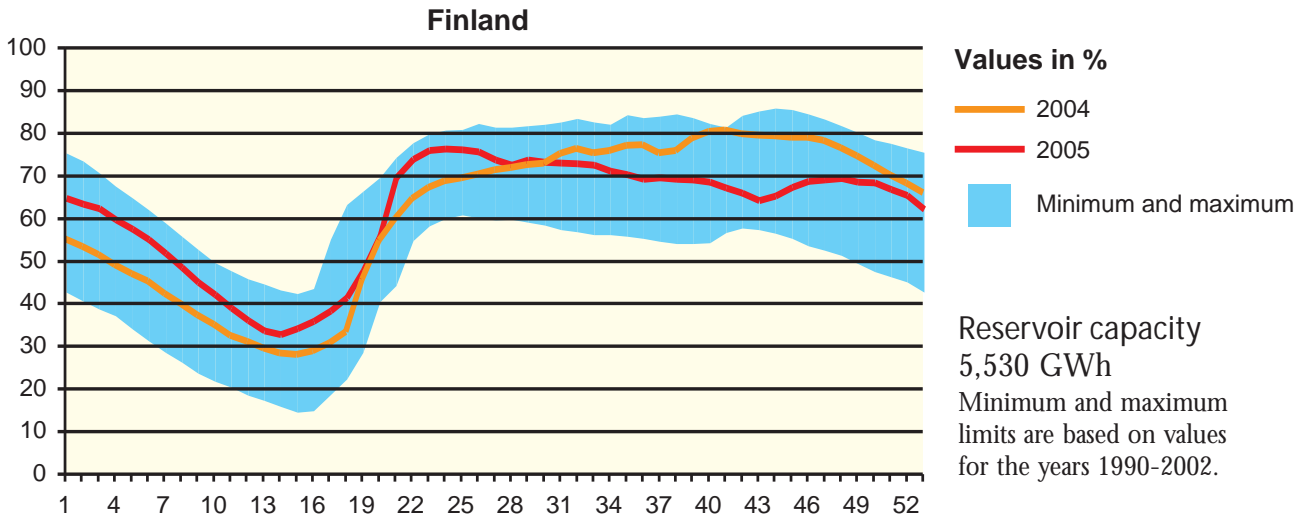
Iceland



- Geothermal power (Iceland) or wind power (others)
- Other thermal power
- Nuclear power
- Hydro power
- Total consumption

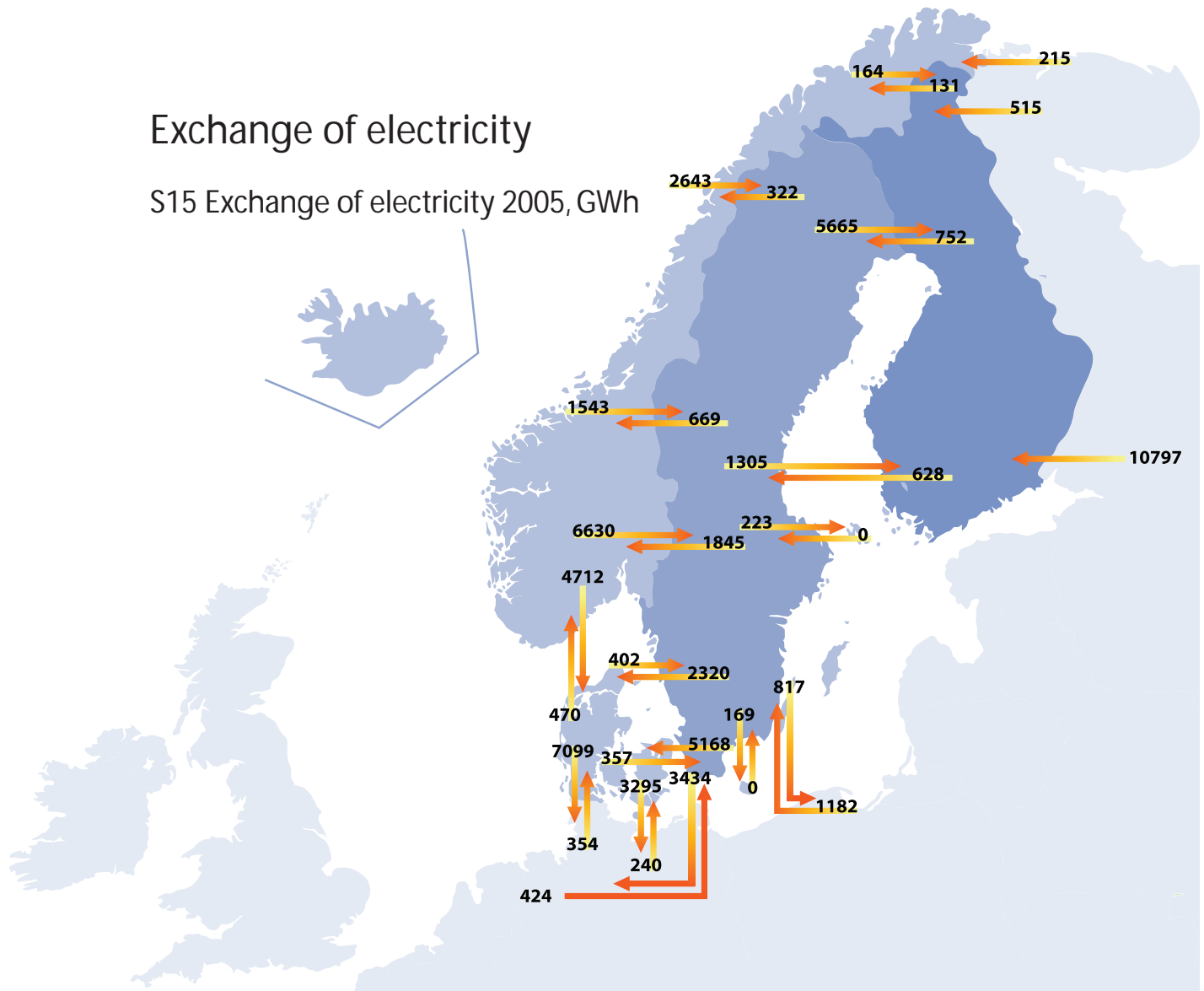
Water reservoirs

S14 Water reservoirs 2005



Exchange of electricity

S15 Exchange of electricity 2005, GWh



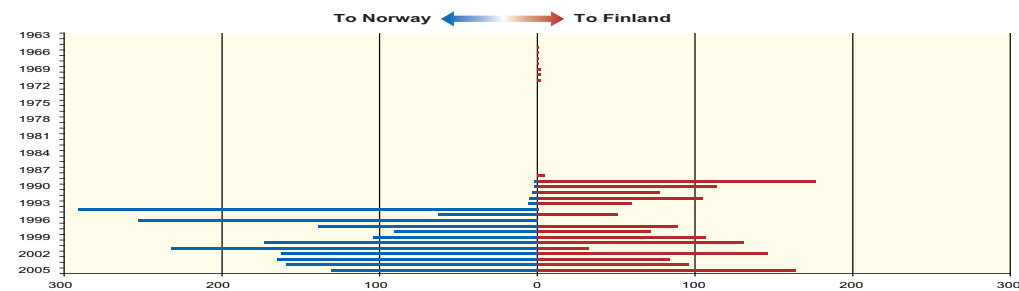
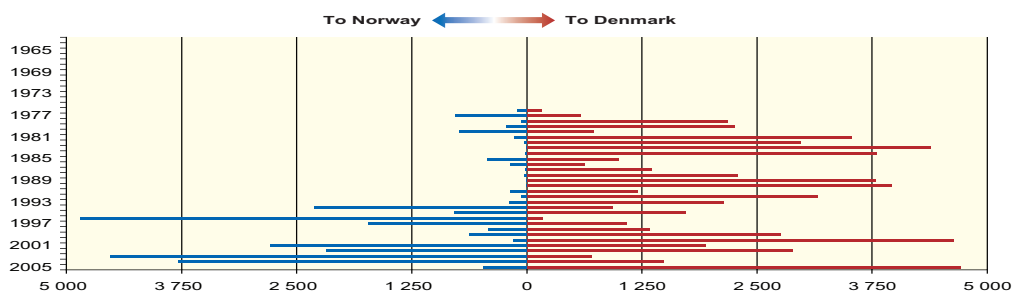
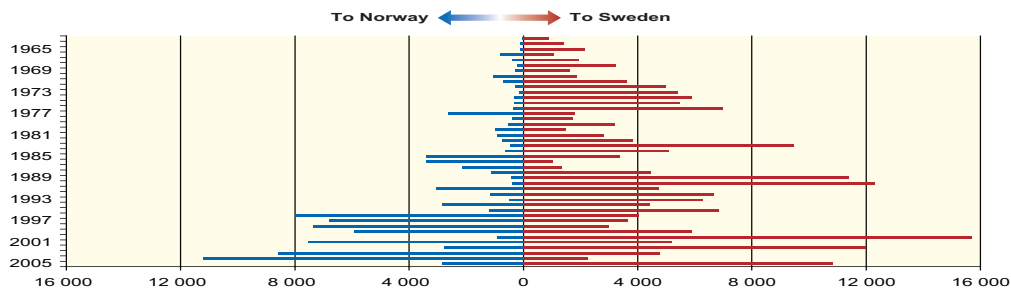
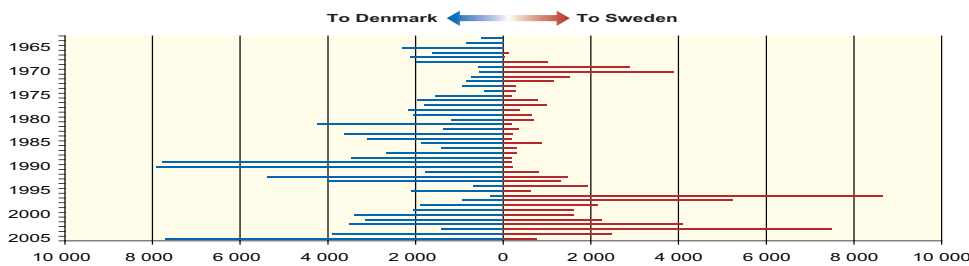
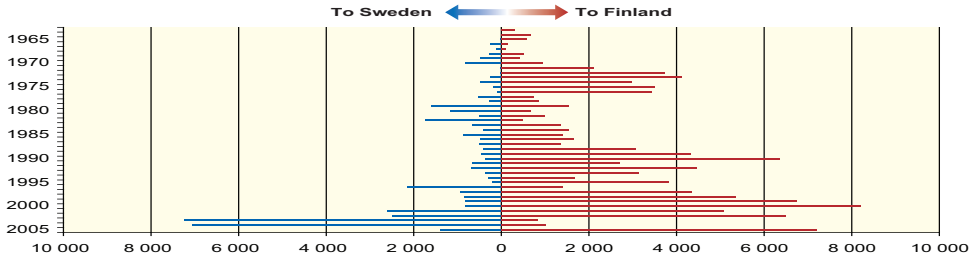
S16 Exchange of electricity 2005, GWh

From:	To:	Denmark	Finland	Norway	Sweden	Other countries ¹⁾	∑ From
Denmark		-	-	470	759	10,394	11,623
Finland		-	-	131	1,394	.	1,525
Norway		4,712	164	.	10,816	.	15,692
Sweden		7,692	7,193	2,836	.	4,251	21,972
Other countries¹⁾		594	11,312	215	1,606	.	13,727
∑ To		12,998	18,669	3,652	14,575	14,645	64,539
							Nordel
Total to		12,998	18,669	3,652	14,575		49,894
Total from		11,623	1,525	15,692	21,972		50,812
Net imports		1,375	17,144	-12,040	-7,397		-918
Net imports/total consumption		3.8 %	20.2 %	-9.6 %	-5.0 %		-0.2 %

¹⁾ Germany, Russia and Poland.

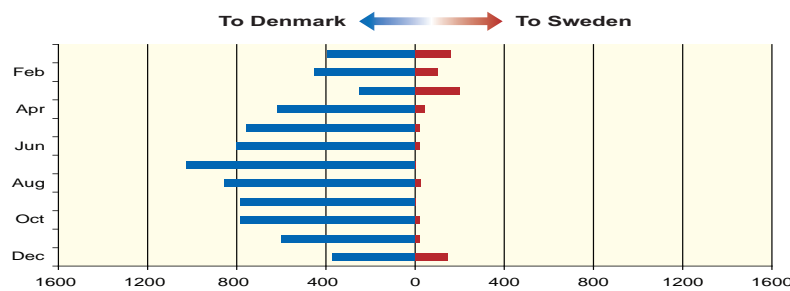
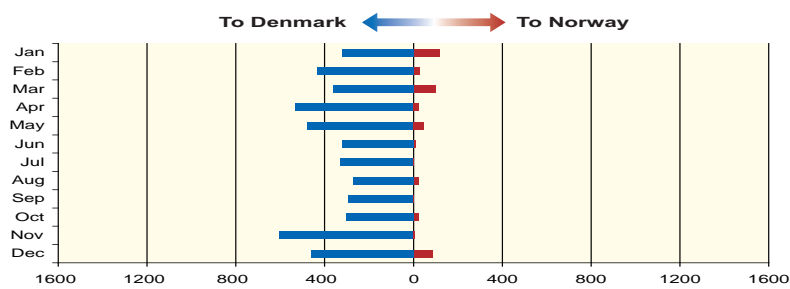
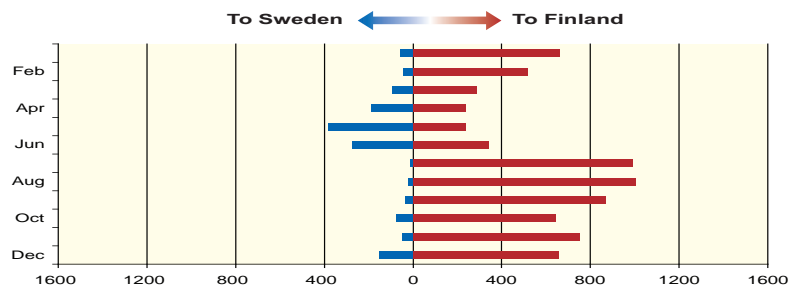
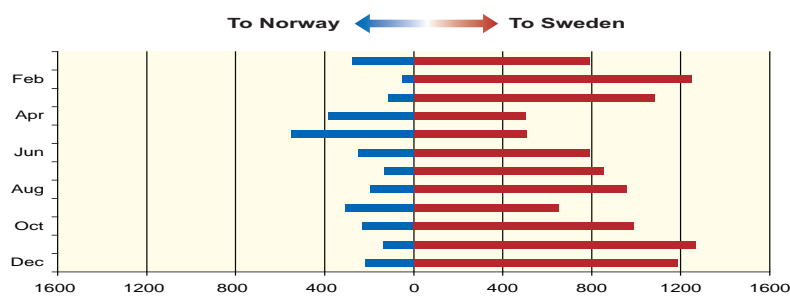
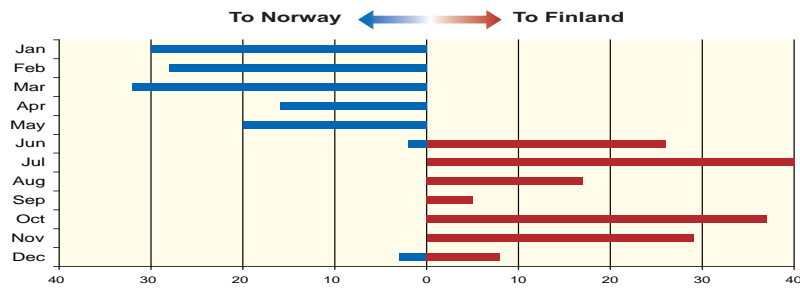
Exchange of electricity

S17 Exchange of electricity between the Nordel countries 1963 - 2005, GWh



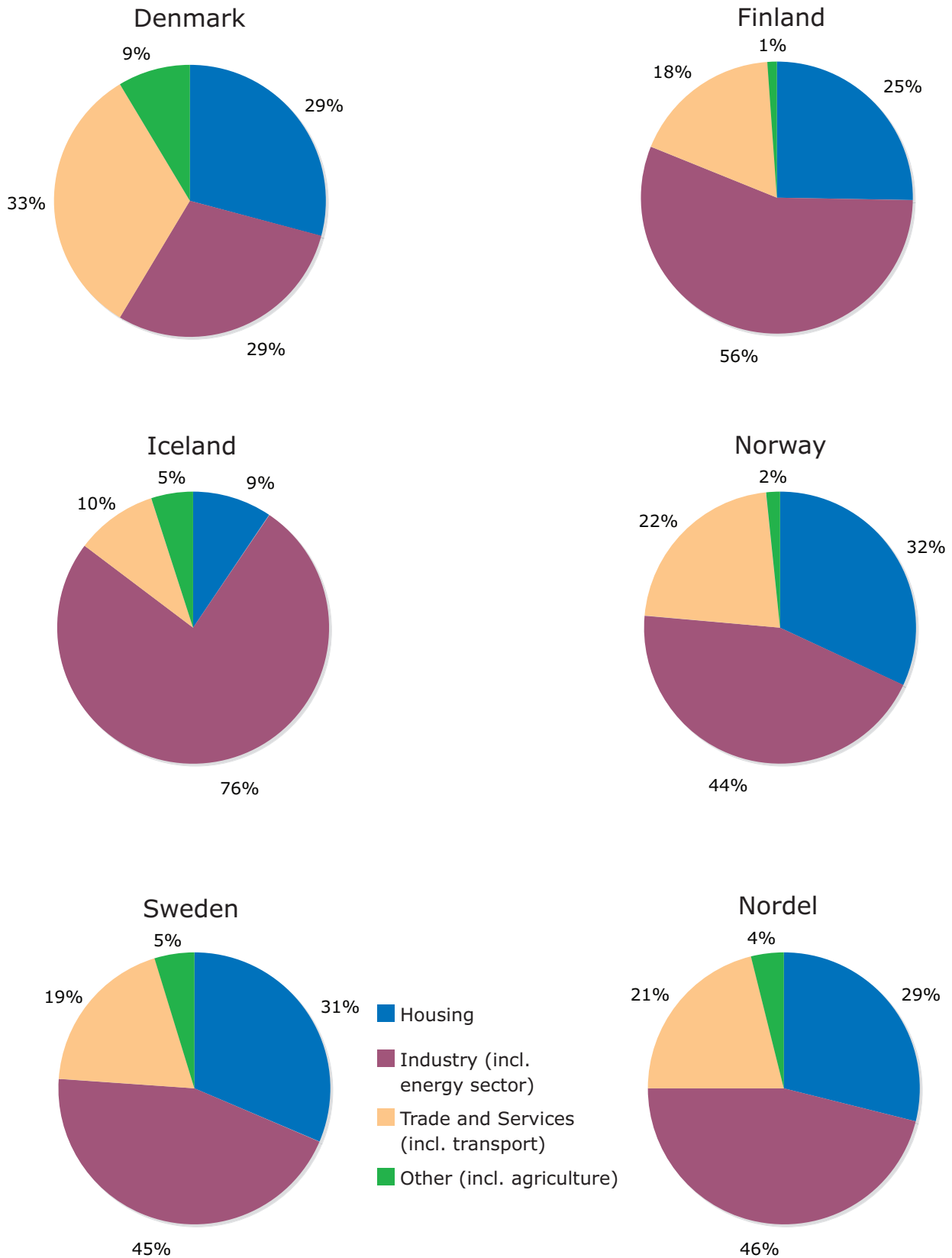
Exchange of electricity

S18 Monthly exchange of electricity between the Nordel countries 2005, GWh



Electricity consumption

S19 Net consumption of electricity 2005, by consumer category



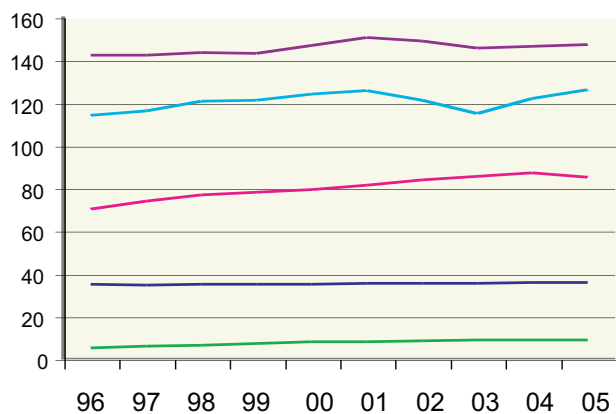
Electricity consumption

S20 Electricity consumption 2005, GWh

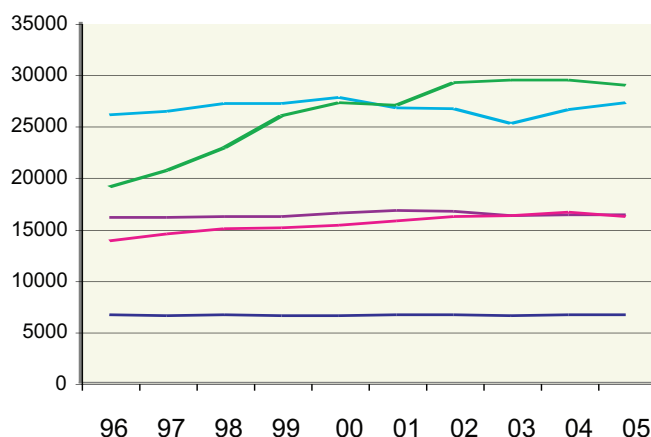
	Denmark	Finland	Iceland	Norway	Sweden	Nordel
Total consumption	35,728	85,006	8,679	125,908	147,332	402,653
Occasional power to electric boilers	.	51	173	4,062	1,937	6,223
Gross system load corrected vs. temperature	36,016	85,804	8,453	125,395	148,786	404,454
Gross consumption	35,728	84,955	8,506	121,846	145,395	396,430
Losses, pumped storage power	2,266	3,182	434	11,244	12,053	29,179
Net consumption ¹⁾	33,462	81,773	8,072	110,602	133,342	367,251
- Housing	9,800	20,580	763	35,157	41,600	107,900
- Industry (incl. energy sector)	9,800	45,699	6,127	48,855	59,500	169,981
- Trade and services (incl. transport)	11,000	14,624	778	24,870	26,000	77,272
- Other (incl. agriculture)	2,862	870	404	1,720	6,242	12,098
Population (million)	5,400	5,255	0,300	4,621	9,047	24,623
Gross consumption per capita, kWh	6,616	16,176	28,930	27,247	16,285	16,353
Total consumption 2004	35,495	87,152	8,621	122,040	146,720	400,028
Change as against 2004, %	0.7 %	-2.5 %	0.7 %	3.2 %	0.4 %	0.7 %

¹⁾ Estimated net consumption.

S21 Total electricity consumption 1996 - 2005, TWh



S22 Total electricity consumption per capita 1996 - 2005, kWh



Iceland Denmark Finland Norway Sweden

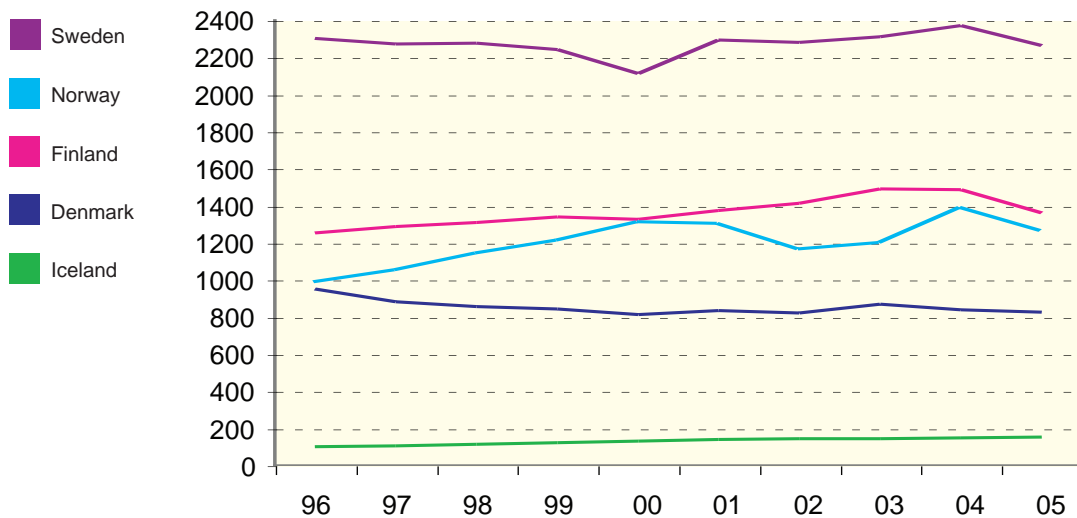
Electricity consumption

S23 Total electricity consumption 2005, GWh

	Denmark	Finland	Iceland	Norway	Sweden	Nordel
Generation 2005	34,353	67,862	8,679	137,948	154,729	403,571
Net imports 2005	1,375	17,144		-12,040	-7,397	-918
Total consumption 2005	35,728	85,006	8,679	125,908	147,332	402,653
Generation 2004	38,370	82,155	8,621	110,545	148,758	388,449
Net imports 2004	-2,875	4,997		11,495	-2,038	11,579
Total consumption 2004	35,495	87,152	8,621	122,040	146,720	400,028

Total energy supply

S24 Total energy supply 1996 - 2005, PJ



Available capacity

S25 Comparison of capacity and maximum system load in 2005, MW

	Denmark West	Denmark East	Finland	Iceland	Norway	Sweden
Installed capacity ¹⁾	7,535	5,142	16,617	1,507	28,793	33,212
Available production capacity ²⁾	4,560	2,960	13,650	1,374	23,100	27,870
Maximum system load ³⁾	3,750	2,690	14,800	1,162	21,600	26,300

¹⁾ Installed capacity pr. 12-31-05. Refers to sum of rated net capacities of the individual power plant units in the power system and should not be considered to represent the total capacity available at any single time.

²⁾ The data are estimated by the Operational Group in Nordel and show available production capacity for the market at peak on a cold winter day (10-year winter). More information is available in the report Power Balance 2005/2006 at www.nordel.org.

³⁾ Maximum system load for each country in 2005/2006, MWh/h.

Prognosis

S26 Total consumption of electricity 2005 and prognosis for 2009, TWh

	Denmark	Finland	Iceland	Norway	Sweden
2005 ¹⁾	36	85	8.7	126	147
2009 ²⁾	38	95	16.4	133	152

¹⁾ The consumption is not corrected vs. temperatures.

²⁾ Prognosis based on data from the Balance Group in Nordel and shows the total consumption according to normal winter conditions.

³⁾ Prognosis based on data from the Energy prognosis committee in Iceland.

S27 Maximum system load 2005 and prognosis for winter 2009/10, MWh/h

	DK- West	DK -East	Finland	Iceland	Norway	Sweden
2005 ¹⁾	3,698	2,619	13,500	1,162	21,401	25,800
2009/10 ²⁾	4,150	2,950	14,950	2,044	22,850	27,000

¹⁾ The consumption is not corrected vs. temperatures.

²⁾ Prognosis based on data from the Balance Group in Nordel and shows the maximum system load according to a 2-years normal winter temp.

³⁾ Prognosis based on data from the Energy prognosis committee in Iceland.

S28 Prognosis for available production capacity for the market winter 2009/10, MWh/h

	DK- West	DK -East	Finland	Iceland	Norway	Sweden
2009/10 ¹⁾	4,550	3,150	15,600	2,294	24,550	29,900

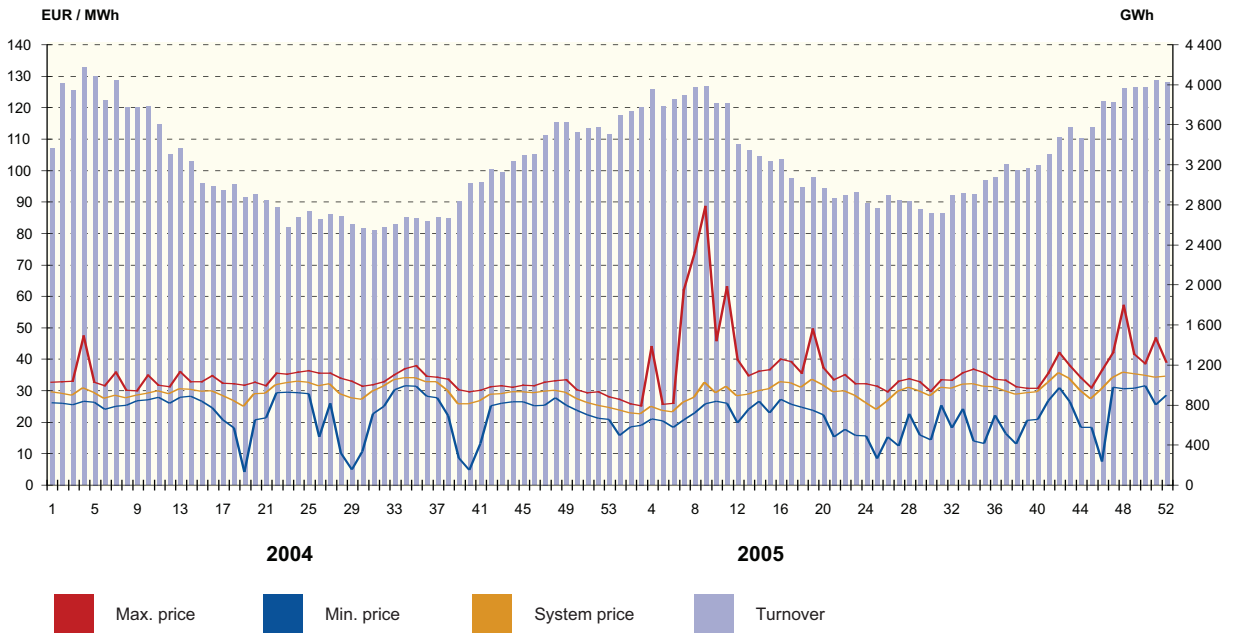
¹⁾ Prognosis based on data from the Balance Group in Nordel and shows the available capacity for market according to a 2-years normal winter temp.

²⁾ Prognosis based on data from the Energy prognosis committee in Iceland.

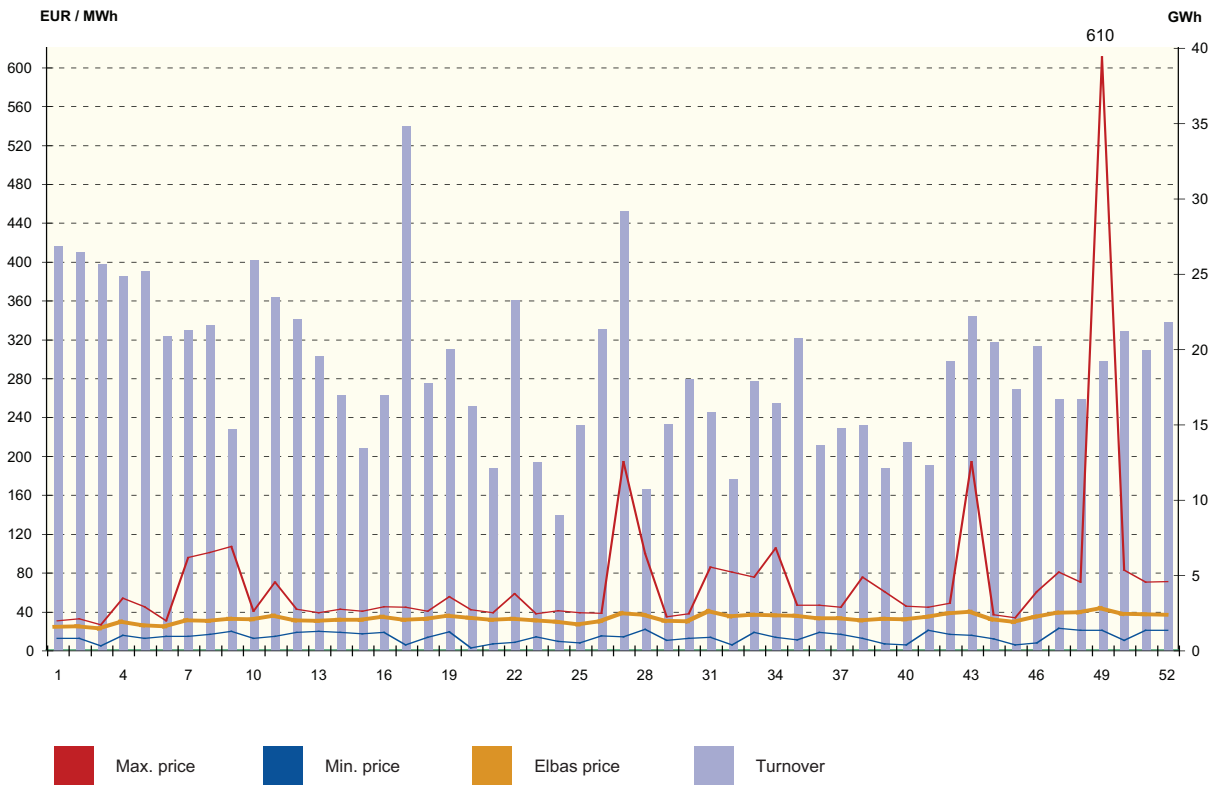
Prices and turnover

S29 Prices and turnover on the Nordic electricity exchanges 2004 - 2005

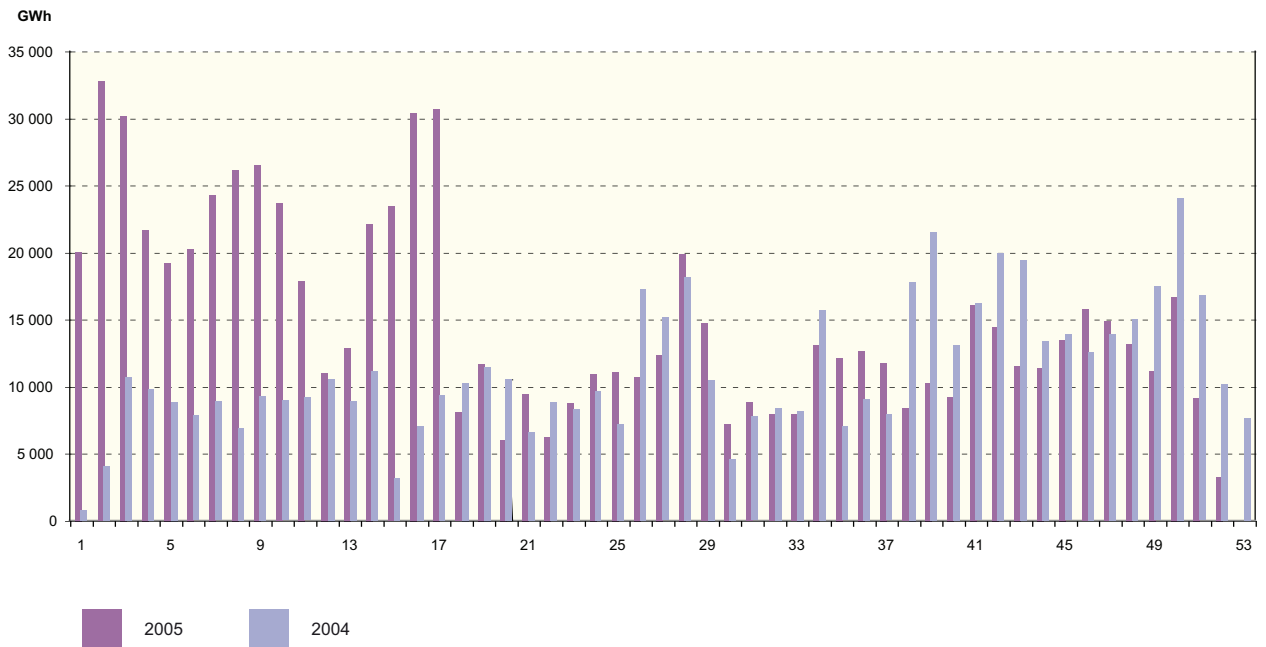
Nord Pool's elspot market - average system price and turnover per week



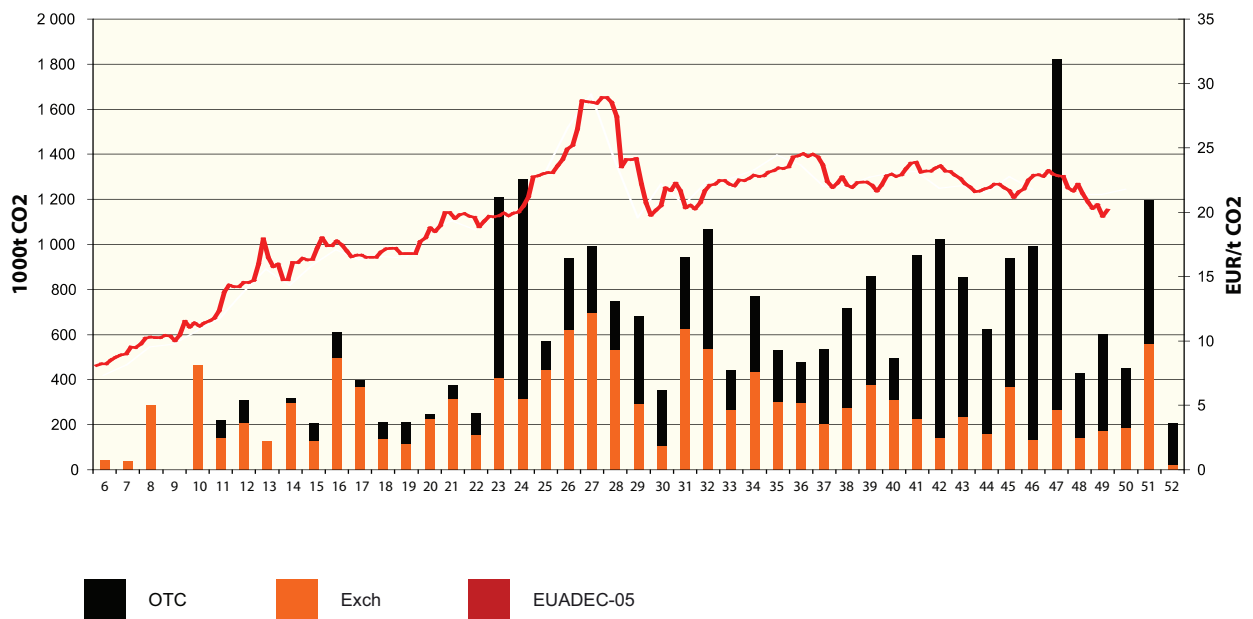
Nord Pool's Elbas market - turnover and prices per week 2005



Nord Pool's Financial market - turnover per week 2004 and 2005



Nord Pool's Carbon market - volume and prices



Definitions

Gross electricity consumption

The sum of domestic generation and imports minus exports and occasional power to electric boilers; usually expressed in GWh.

Gross system load corrected vs. temperature

Electricity consumption at normal temperatures corrected for yearly temperature variations.

Electricity generation (net electricity generation)

The output of a power plant, excluding the plant's own consumption; usually expressed in GWh. Registration of generation is referred to where the power plant is physically located.

Exchange of electricity

The monthly sums (in GWh) of the physically registered MWh values for each connection between the individual countries, per hour of exchange.

Installed capacity (net capacity)

The sum of the rated capacities of the individual power plant units (expressed in MW), excluding the power plant's own consumption of electricity (exclusive heat production).

Generation of condensing power

Generation at a conventional steam power plant where the energy of the steam is used solely for electricity generation and where the steam is condensed to water after the turbine.

Net electricity consumption

The sum of the energy used by consumers of electricity; usually expressed in GWh.

Transmission capacity

The power (in MW) that a highvoltage line can transmit under normal conditions, taking into account any limitations that may be imposed on the rated capacity.

Pumped storage power

The electricity used for pumping water up to a reservoir, for the generation of electricity later on; expressed in GWh.

Losses

The difference between gross consumption and net consumption plus pumped storage power; usually expressed in GWh.

Occasional power to electric boilers

Expressed in GWh, this refers to the supply of electricity to electric boilers on special conditions for the generation of steam or hot water, which may alternatively be generated using oil or some other fuel.

Total consumption

The sum of electricity generation and net imports, expressed in GWh.

Combined heat and power (CHP) generation

Generation at a steam power plant where some of the energy of the steam is used for electricity generation and some for another purpose, e.g. for district heating or as process steam for industry. Previously known as backpressure generation.

Biofuel

Wood waste, industrial wood fuels, black liquor and pitch oil, wood fuels as wood waste or saw dust, biogas, straw, animal wastes and litter, bio oil.

Other renewable power

Wind power, waste and geothermal power.

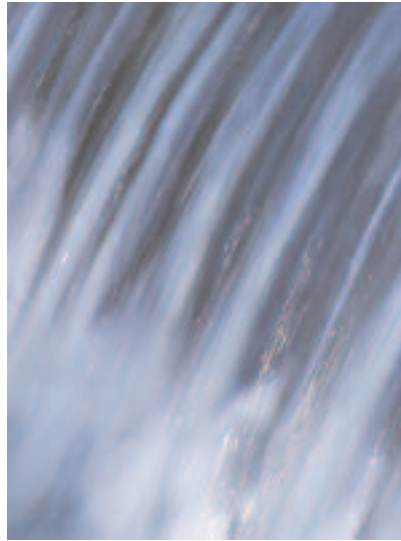
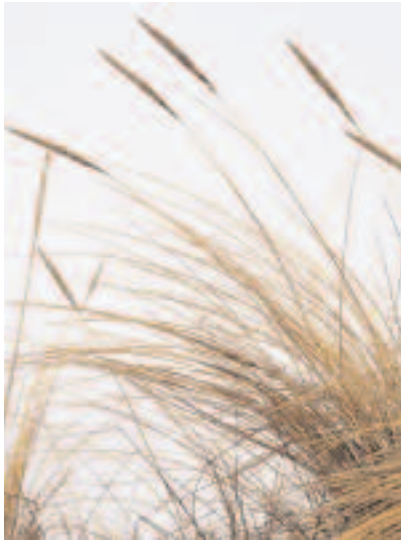


Photo: Trond Isaksen

Nordel Secretariat until 13 June 2006

Svenska Kraftnät
Postal address:
Box 526, SE-162 15, Vällingby,
Sweden

Visiting address:
Jämtlandsgatan 99, Vällingby,
Sweden

Christina Simón
Svenska Kraftnät (Secretary of Nordel)

Irene Klee
Svenska Kraftnät (Assisting Secretary of Nordel)

Lena Norén
Svenska Kraftnät (Assistant-Coordinator of Nordel)

Telephone: +46 8 739 78 00
Fax: +46 8 37 84 05
Website: www.nordel.org
E-mail: nordel.secretariat@svk.se

Nordel Secretariat from 14 June 2006

Fingrid Oyj
Postal address:
Box 530, FI-00101, Helsinki,
Finland

Visiting address:
Arkadiagatan 23 B, Helsinki,
Finland

Erkki Stam (Secretary of Nordel)
Fingrid Oyj

Anders Lundberg (Assisting Secretary of Nordel)
Fingrid Oyj

Anneli Fagerlund (Assistant of Nordel)
Fingrid Oyj

Telephone: +358 30 395 5000
Fax: +358 30 395 5213
Website: www.nordel.org
E-mail: info@nordel.org

