

ELECTRICITY STATISTICS

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Statistics in focus

ENVIRONMENT AND ENERGY

THEME 8 – 3/2002

ENERGY

Contents

PROVISIONAL DATA FOR 2001

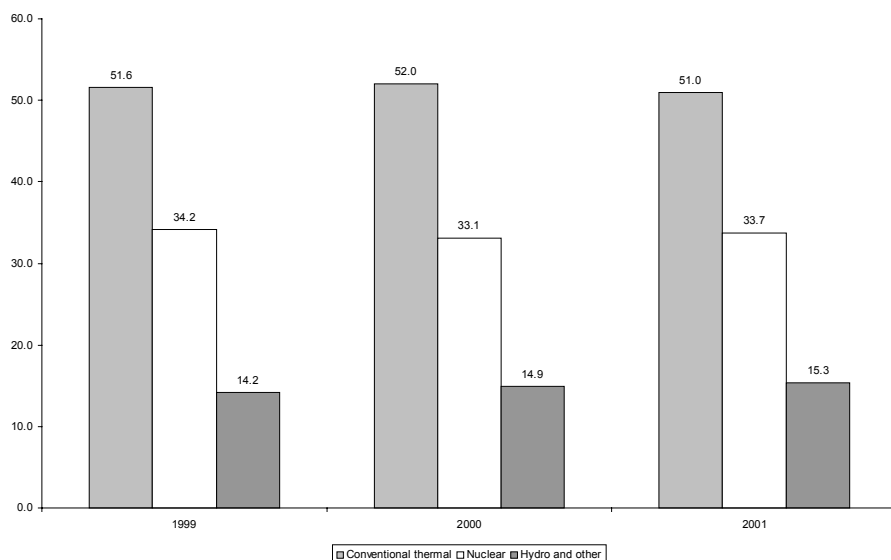


Figure 1: Contribution of the sources to total production in % for EU-15

Electricity production in the European Union increased between 2000 and 2001 by 1.7%. There were substantial increases in Luxembourg (+45.5%), Sweden (+11.0%), Portugal (+6.6%), Finland (+6.4%), Ireland (+6.2%), the Netherlands (+5.0%) and Denmark (+4.3%), while production rose more moderately in the United Kingdom, France, Italy and Austria. Electricity production decreased in Belgium (-5.1%), Spain (-1.5%), Germany (-0.3%) and Greece (-0.2%).

With regard to the structure of production in the European Union it can be seen that in 2001:

- conventional thermal electricity generation fell by 0.2% and accounted for 51% of total production;
- electricity generation from nuclear power stations increased (+3.3%) and represented 33.7% of total production;
- hydroelectric power generation increased (+4.7%) and accounted for 15.3% of the total.

In 2001, total net imports for the European Union were 30.1 TWh, representing 1.2% of production.

Electricity supplied in the European Union in 2001 amounted to 2511.1 TWh, an increase of 1.3% compared with 2000.

In Norway, in the year 2001, total production, which is almost entirely from hydroelectric power generation, decreased by 14.7%, while electricity supplied increased by 1.4% compared to the year 2000.



	EU-15	Euro-zone (1)	B	DK	D	EL	E	F	IRL	I	L	NL	A	P	FIN	S	UK	N	
Gesamt-Nettoerzeugung			Total net production															Production totale nette	
1999	2406.6	1821.5	80.9	36.9	517.1	45.8	199.3	500.3	20.9	252.7	1.0	83.1	57.8	41.7	66.7	150.7	351.7	121.7	
2000	2473.5	1888.5	80.1	34.5	533.5	49.8	215.2	516.7	22.7	263.6	1.1	85.8	60.3	42.2	67.3	142.1	358.6	141.8	
2001	2515.3	1954.6	76.0	36.0	531.8	49.7	212.0	525.7	24.1	266.5	1.6	90.1	60.5	45.0	71.6	157.8	366.9	120.9	
00/99	2.8%		-1.0%	-6.5%	3.2%	8.7%	8.0%	3.3%	8.6%	4.3%	10.0%	3.2%	4.3%	1.2%	0.9%	-5.7%	2.0%	16.5%	
01/00	1.7%		-5.1%	4.3%	-0.3%	-0.2%	-1.5%	1.7%	6.2%	1.1%	45.5%	5.0%	0.3%	6.6%	6.4%	11.0%	2.3%	-14.7%	
Davon :			Of which :															Dont :	
Herkömmliche Wärmekraftwerke			Conventional thermal															Thermique classique	
1999	1241.3	902.3	32.7	33.9	327.7	40.8	114.9	48.7	19.6	196.4	0.2	78.6	17.5	34.0	32.0	9.3	255.0	0.8	
2000	1285.2	929.4	32.7	30.0	337.8	45.3	119.2	49.9	21.3	208.4	0.3	81.0	17.2	30.4	31.2	8.8	271.7	0.7	
2001	1283.0	964.0	30.1	31.7	333.1	46.2	106.7	46.0	22.8	207.1	0.7	85.2	19.2	30.5	36.4	9.7	277.6	0.9	
00/99	3.5%		0.0%	-11.5%	3.1%	11.0%	3.7%	2.5%	8.7%	6.1%	50.0%	3.1%	-1.7%	-10.6%	-2.5%	-5.4%	6.5%	-12.5%	
01/00	-0.2%		-8.0%	5.7%	-1.4%	2.0%	-10.5%	-7.8%	7.0%	-0.6%		5.2%	11.6%	0.3%	16.7%	10.2%	2.2%	28.6%	
Kernenergie			Nuclear															Nucléaire	
1999	822.5	664.6	46.7		160.8		56.5	374.9				3.6			22.1	70.2	87.7		
2000	819.8	686.7	45.7		160.7		59.8	395.2				3.7			21.6	54.8	78.3		
2001	846.6	694.4	44.2		162.3		61.0	401.3				3.7			21.9	69.2	83.0		
00/99	-0.3%		-2.1%		-0.1%		5.8%	5.4%				2.8%			-2.3%	-21.9%	-10.7%		
01/00	3.3%		-3.3%		1.0%		2.0%	1.5%				0.0%			1.4%	26.3%	6.0%		
Wasserkraft & Sonstige			Hydro and other															Hydraulique & autres	
1999	342.8	254.6	1.5	3.0	28.6	5.0	27.9	76.7	1.3	56.3	0.8	0.9	40.3	7.7	12.6	71.2	9.0	120.9	
2000	368.5	272.4	1.7	4.5	35.0	4.5	36.2	71.6	1.4	55.2	0.8	1.1	43.1	11.8	14.5	78.5	8.6	141.1	
2001	385.7	296.2	1.7	4.3	36.4	3.5	44.3	78.4	1.3	59.4	0.9	1.2	41.3	14.5	13.3	78.9	6.3	120.0	
00/99	7.5%		13.3%	50.0%	22.4%	-10.0%	29.7%	-6.6%	7.7%	-2.0%	0.0%	22.2%	6.9%	53.2%	15.1%	10.3%	-4.4%	16.7%	
01/00	4.7%		0.0%	-4.4%	4.0%	-22.2%	22.4%	9.5%	-7.1%	7.6%	12.5%	9.1%	-4.2%	22.9%	-8.3%	0.5%	-26.7%	-15.0%	
Einfuhren			Imports															Importations	
1999	194.5	164.7	9.1	5.0	40.6	1.8	12.0	5.0	0.3	42.5	6.2	22.4	11.6	3.6	11.4	8.5	14.5	6.9	
2000	220.5	177.8	11.6	8.4	45.1	1.7	12.3	3.7	0.2	44.8	6.5	22.9	13.8	4.7	12.2	18.3	14.3	1.5	
2001	214.3	184.3	15.5	8.2	44.0	3.6	10.2	4.2	0.0	48.9	6.4	21.5	14.5	3.7	11.8	11.1	10.7	10.6	
00/99	13.4%		27.5%	68.0%	11.1%	-5.6%	2.5%	-26.0%	-33.3%	5.4%	4.8%	2.2%	19.0%	30.6%	7.0%	115.3%	-1.4%		
01/00	-2.8%		33.6%	-2.4%	-2.4%	111.8%	-17.1%	13.5%		9.2%	-1.5%	-6.1%	5.1%	-21.3%	-3.3%	-39.3%	-25.2%		
Ausfuhren			Exports															Exportations	
1999	170.7	145.6	8.2	7.3	39.6	1.6	6.2	68.1	0.1	0.5	0.7	4.0	13.5	4.5	0.2	15.9	0.3	8.8	
2000	178.1	154.9	7.3	7.8	42.1	1.7	7.8	73.2	0.1	0.5	0.7	4.0	15.1	3.8	0.3	13.6	0.1	20.5	
2001	184.2	156.6	6.5	8.8	43.9	1.1	6.7	72.6	0.3	0.6	1.1	4.2	14.3	3.5	1.8	18.5	0.3	7.1	
00/99	4.3%		-11.0%	6.8%	6.3%	6.2%	25.8%	7.5%	0.0%	0.0%	0.0%	0.0%	11.9%	-15.6%	50.0%	-14.5%	-66.7%		
01/00	3.4%		-11.0%	12.8%	4.3%	-35.3%	-14.1%	-0.8%		20.0%	57.1%	5.0%	-5.3%	-7.9%		36.0%			
Energieverbrauch der Pumpspeicherwerke			Absorbed by pumping															Energie absorbée pour le pompage	
1999	33.2	29.0	1.5	0.0	5.3	0.3	3.7	6.3	0.4	8.9	0.9	0.0	1.5	0.5	0.0	0.1	3.8	0.6	
2000	36.3	32.2	1.6	0.0	6.0	0.6	4.9	6.6	0.4	9.1	1.0	0.0	2.0	0.6	0.0	0.0	3.5	0.9	
2001	34.3	31.0	1.6	0.0	5.3	0.9	4.1	5.8	0.5	9.4	1.0	0.0	1.9	0.5	0.0	0.1	3.2	0.8	
00/99	9.3%		6.7%		13.2%		32.4%	4.8%	0.0%	2.2%	11.1%		33.3%	20.0%			-7.9%	50.0%	
01/00	-5.5%		0.0%		-11.7%	50.0%	-16.3%	-12.1%	25.0%	3.3%			-5.0%	-16.7%			-8.6%	-11.1%	
Erzeugte Energie			Energy supplied															Energie appelée	
1999	2397.2	1811.6	80.3	34.6	512.8	45.7	201.4	430.9	20.7	285.8	5.6	101.5	54.4	40.3	77.9	143.2	362.1	119.2	
2000	2479.6	1879.2	82.8	35.1	530.5	49.2	214.8	440.6	22.4	298.8	5.9	104.7	57.0	42.5	79.2	146.8	369.3	121.9	
2001	2511.1	1951.3	83.4	35.4	526.6	51.3	211.4	451.5	23.3	305.4	5.9	107.4	58.8	44.7	81.6	150.3	374.1	123.6	
00/99	3.4%		3.1%	1.4%	3.5%	7.7%	6.7%	2.3%	8.2%	4.5%	5.4%	3.2%	4.8%	5.5%	1.7%	2.5%	2.0%	2.3%	
01/00	1.3%		0.7%	0.9%	-0.7%	4.3%	-1.6%	2.5%	4.0%	2.2%	0.0%	2.6%	3.2%	5.2%	3.0%	2.4%	1.3%	1.4%	

(1) Euro-Zone : EU-11 bis zum 31.12.2000
EU-11 + Griechenland ab 1.1.2001

Euro-zone : EU-11 up to 31.12.2000
EU-11 + Greece from 1.1.2001

Euro-zone : EU-11 jusqu'au 31.12.2000
EU-11 + Grèce à partir de 1.1.2001

Table 1: Electricity statistics (TWh)

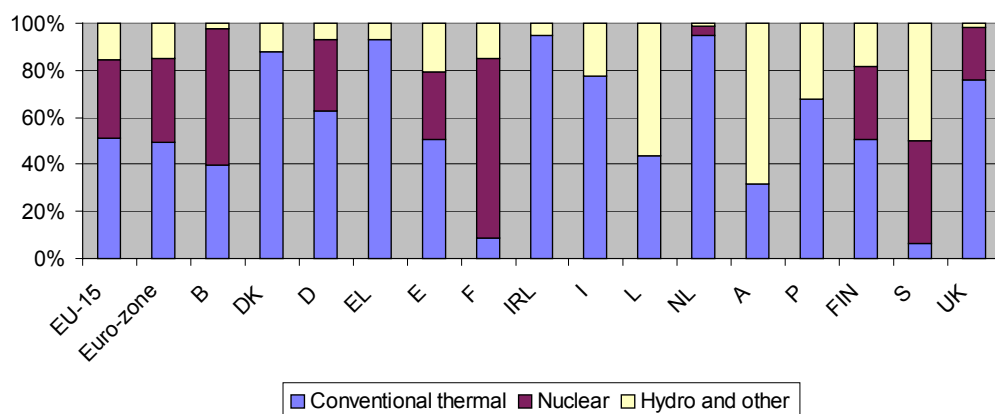
Beitrag zur Elektrizitätserzeugung
nach Herkunft in %

Contribution of the sources
to total production in %

Contribution des sources
à la production en %

	EU-15	Euro-zone (1)	B	DK	D	EL	E	F	IRL	I	L	NL	A	P	FIN	S	UK	N	
Herkömmliche Wärmekraftwerke			Conventional thermal															Thermique classique	
1999	51.6	49.5	40.4	91.9	63.4	89.1	57.7	9.7	93.8	77.7	20.0	94.6	30.3	81.5	48.0	6.2	72.5	0.7	
2000	52.0	49.2	40.8	87.0	63.3	91.0	55.4	9.7	93.8	79.1	27.3	94.4	28.5	72.0	46.4	6.2	75.8	0.5	
2001	51.0	49.3	39.6	88.1	62.6	93.0	50.3	8.8	94.6	77.7	43.8	94.6	31.7	67.8	50.8	6.1	75.7	0.7	
Kernenergie			Nuclear															Nucléaire	
1999	34.2	36.5	57.7	0.0	31.1	0.0	28.3	74.9	0.0	0.0	0.0	4.3	0.0	0.0	33.1	46.6	24.9	0.0	
2000	33.1	36.4	57.1	0.0	30.1	0.0	27.8	76.5	0.0	0.0	0.0	4.3	0.0	0.0	32.1	38.6	21.8	0.0	
2001	33.7	35.5	58.2	0.0	30.5	0.0	28.8	76.3	0.0	0.0	0.0	4.1	0.0	0.0	30.6	43.9	22.6	0.0	
Wasserkraft & Sonstige			Hydro and other															Hydraulique et autres	
1999	14.2	14.0	1.9	8.1	5.5	10.9	14.0	15.3	6.2	22.3	80.0	1.1	69.7	18.5	18.9	47.2	2.6	99.3	
2000	14.9	14.4	2.1	13.0	6.6	9.0	16.8	13.9	6.2	20.9	72.7	1.3	71.5	28.0	21.5	55.2	2.4	99.5	
2001	15.3	15.2	2.2	11.9	6.8	7.0	20.9	14.9	5.4	22.3	56.3	1.3	68.3	32.2	18.6	50.0	1.7	99.3	

Contribution of the sources to total production in 2001



(1)Euro-Zone : EU-11 bis zum 31.12.2000
EU-11 + Griechenland ab 1.1.2001

Euro-zone : EU-11 up to 31.12.2000
EU-11 + Greece from 1.1.2001

Euro-zone : EU-11 jusqu'au 31.12.2000
EU-11 + Grèce à partir de 1.1.2001

Table 2: Contribution of the sources to the production of electricity

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