

Electricity Statistics

Provisional data for 2004

IN 2004, ELECTRICITY PRODUCTION INCREASED IN BOTH THE EU-25 AND EU-15
BY 1.3%

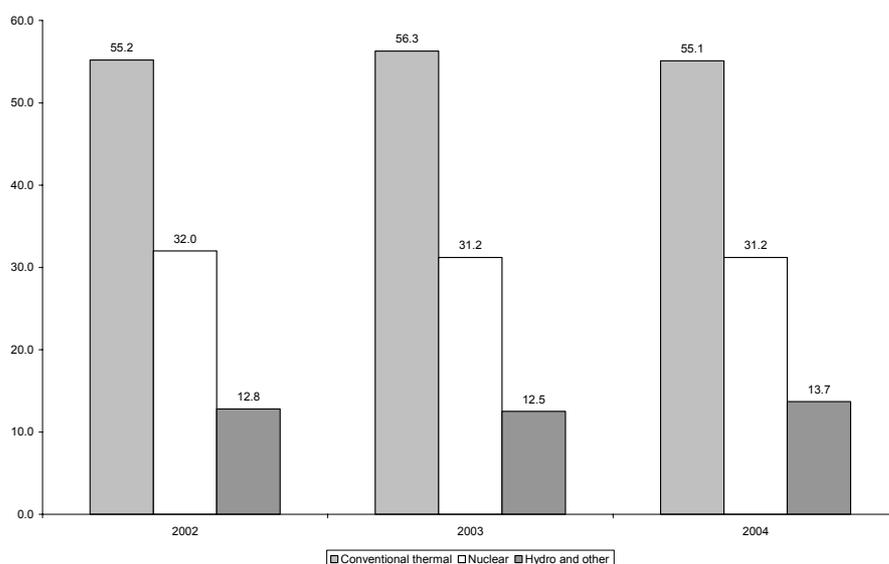


Figure 1: Contribution of sources to total production in % for EU-25

In 2004, electricity generation in the EU-25 increased (+1.3%) compared with 2003. Generation in the EU-15 also grew by 1.3%. The largest increases were recorded in Latvia (+18.4%), Luxembourg (+14.3%), Sweden (+11.8%) and Slovenia (+10.7%). Denmark (-12.3%), Portugal (-4.2%), Lithuania (-3.4%), Greece (-3.1%) and Slovakia (-2.8%), all recorded declines in generation.

As regards the structure of generation in 2004:

- The generation of conventional thermal energy declined by 0.8% in both the EU-25 and the EU-15, and accounted for 55.1% and 53% respectively of total generation;
- The generation of nuclear energy increased in both EU-25 and EU-15 (+1.3%), and accounted for 31.2% and 32.4% respectively of the total;
- The generation of hydraulic energy increased by 10.4% in the EU-25 and by 9.6% in the EU-15, and represented 13.7% and 14.6% of the total.

In 2004, the EU-25 was a net exporter (1.5 TWh), or 0.05% of generation, while total net energy imports into EU-15 amounted to 26.1 TWh, which is equivalent to 0.98% of generation.

Energy supplied in 2004 was 2953.2 TWh in the EU-25, and 2656.5 TWh in the EU-15, which represents an increase of 1% compared with 2003.

Norway recorded increases in both total generation (+3.8%) and energy supplied (+6.8%).

In Bulgaria and Romania generation fell by 2.1% in 2004 whereas in Croatia and Turkey it increased (+11.6% and +6.2% respectively). Energy supplied decreased in Bulgaria and Romania (-3.1% and -0.6%) and increased in Turkey (+5.3%) and Croatia (+3.1%).

Statistics
in focus

ENVIRONMENT AND
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Author

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Contents

Provisional data for 2004



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	EU-25	EU-15	Zone euro	BE	CZ	DK	DE	EE	EL	ES	FR	IE	IT	CY	LV	LT	LU	HU	MT	NL	AT	PL	PT	SI	SK	FI	SE	UK	NO	BG	HR	RO	TR																								
Gesamt-Nettoerzeugung																																Total net production																Production totale nette									
2002	2863.8	2551.7	2000.7	78.1	70.4	37.4	536.1	7.6	50.5	233.8	535.0	23.9	270.8	3.6	3.9	16.1	3.6	33.5	1.9	91.9	61.0	131.3	44.4	13.8	30.0	71.6	143.3	370.3	130.1	38.6	11.8	51.2	123.8																								
2003	2964.0	2639.3	2082.6	80.8	76.7	43.8	564.7	9.1	54.3	252.3	542.3	24.1	280.8	3.8	3.8	17.8	3.5	31.4	1.9	92.6	61.6	138.4	45.3	13.1	28.7	80.3	132.6	380.3	106.4	38.4	12.1	52.6	135.2																								
2004	3001.4	2673.1	2104.0	81.5	77.3	38.4	569.2	9.3	52.6	254.9	547.6	25.0	286.6	3.9	4.5	17.2	4.0	31.7	1.9	94.6	62.7	140.1	43.4	14.5	27.9	81.9	148.3	382.4	110.4	37.6	13.5	51.5	143.6																								
03/02	3.5%	3.4%	4.1%	3.5%	8.9%	17.1%	5.3%	19.7%	7.5%	7.9%	1.4%	0.8%	3.7%	5.6%	-2.6%	10.6%	-2.8%	-6.3%	0.0%	0.8%	1.0%	5.4%	2.0%	-5.1%	-4.3%	12.2%	-7.5%	2.7%	-18.2%	-0.5%	2.5%	2.7%	9.2%																								
04/03	1.3%	1.3%	1.0%	0.9%	0.8%	-12.3%	0.8%	2.2%	-3.1%	1.0%	1.0%	3.7%	2.1%	2.6%	18.4%	-3.4%	14.3%	1.0%	0.0%	2.2%	1.8%	1.2%	-4.2%	10.7%	-2.8%	2.0%	11.8%	0.6%	3.8%	-2.1%	11.6%	-2.1%	6.2%																								
Davon :																																Of which :																Dont :									
Herkömmliche Wärmekraftwerke																																Conventional thermal																Thermique classique									
2002	1581.3	1353.7	1029.4	31.6	50.0	32.4	336.3	7.6	46.5	138.4	52.7	22.3	217.6	3.6	1.4	2.3	2.6	20.0	1.9	86.9	19.2	127.4	35.8	5.1	8.3	39.5	11.3	280.6	0.7	17.1	6.4	30.4	90.2																								
2003	1667.3	1428.4	1085.3	34.5	50.5	38.2	364.9	9.1	48.0	137.3	57.2	22.7	229.8	3.8	1.5	2.5	2.6	20.9	1.9	87.4	23.0	135.0	28.9	5.0	8.7	49.0	13.6	291.3	0.9	19.2	7.2	35.2	100.1																								
2004	1654.2	1416.7	1072.5	34.9	50.5	31.8	341.9	9.3	47.6	146.3	54.7	23.2	231.6	3.9	1.3	2.9	3.1	18.4	1.9	89.1	22.4	135.9	32.4	5.1	8.3	45.3	13.1	299.3	0.9	18.6	5.8	29.7	98.7																								
03/02	5.4%	5.5%	5.4%	9.2%	1.0%	17.9%	8.5%	19.7%	3.2%	-0.8%	8.5%	1.8%	5.6%	5.6%	7.1%	8.7%	0.0%	4.5%	0.0%	0.6%	19.8%	6.0%	-19.3%	-2.0%	4.8%	24.1%	20.4%	3.8%	28.6%	12.3%	12.5%	15.8%	11.0%																								
04/03	-0.8%	-0.8%	-1.2%	1.2%	0.0%	-16.8%	-6.3%	2.2%	-0.8%	6.6%	-4.4%	2.2%	0.8%	2.6%	-13.3%	16.0%	19.2%	-12.0%	0.0%	1.9%	-2.6%	0.7%	12.1%	2.0%	-4.6%	-7.6%	-3.7%	2.7%	0.0%	-3.1%	-19.4%	-15.6%	-1.4%																								
Kernenergie																																Nuclear																Nucléaire									
2002	915.5	850.1	703.5	45.0	17.6		156.3			60.6	416.5				12.9		13.3			3.7					5.3	16.3	21.4	65.5	81.1		18.8		5.1																								
2003	924.8	854.6	707.2	44.9	24.4		156.5			59.5	420.7				14.2		10.3			3.8					5.0	16.3	21.8	65.5	81.9		16.0		4.5																								
2004	936.6	865.9	717.2	44.9	24.8		158.3			60.9	427.7				13.9		11.2			3.6					5.2	15.6	21.8	75.0	73.7		15.6		5.1																								
03/02	1.0%	0.5%	0.5%	-0.2%	38.6%		0.1%			-1.8%	1.0%				10.1%		-22.6%			2.7%					-5.7%	0.0%	1.9%	0.0%	1.0%		-14.9%		-11.8%																								
04/03	1.3%	1.3%	1.4%	0.0%	1.6%		1.2%			2.4%	1.7%				-2.1%		8.7%			-5.3%					4.0%	-4.3%	0.0%	14.5%	-10.0%		-2.5%		13.3%																								
Wasserkraft & Sonstige																																Hydro and other																Hydraulique & autres									
2002	367.1	348.0	267.9	1.5	2.8	5.0	43.5		4.0	34.8	65.8	1.6	53.2		2.5	0.9	1.0	0.2		1.3	41.9	3.9	8.6	3.4	5.4	10.7	66.5	8.6	129.4	2.7	5.4	15.7	33.6																								
2003	371.9	356.3	290.1	1.4	1.8	5.6	43.3		6.3	55.5	64.4	1.4	51.0		2.3	1.1	0.9	0.2		1.4	38.6	3.4	16.4	3.1	3.7	9.5	53.5	7.1	105.5	3.2	4.9	12.9	35.1																								
2004	410.6	390.5	314.3	1.7	2.0	6.6	69.0		5.0	47.7	65.2	1.8	55.0		3.2	0.4	0.9	2.1		1.9	40.3	4.2	11.0	4.2	4.0	14.8	60.2	9.4	109.5	3.4	7.7	16.7	44.9																								
03/02	1.3%	2.4%	8.3%	-6.7%	-35.7%	12.0%	-0.5%		57.5%	59.5%	-2.1%	-12.5%	-4.1%		-8.0%	22.2%	-10.0%			7.7%	-7.9%	-12.8%	90.7%	-8.8%	-31.5%	-11.2%	-17.4%	-18.5%	18.5%	-9.3%	-17.8%	4.5%																									
04/03	10.4%	9.6%	8.3%	21.4%	11.1%	17.9%	59.4%		-20.6%	-14.1%	1.2%	28.6%	7.8%		39.1%	-63.6%	0.0%			35.7%	4.4%	23.5%	-32.9%	35.5%	8.1%	55.8%	12.5%	32.4%	3.8%	6.2%	57.1%	29.5%	27.9%																								
Einführen																																Imports																Importations									
2002	282.5	237.7	199.5	16.7	9.5	8.9	48.4	0.4	4.6	12.5	3.7	0.6	51.5	0.0	2.8	4.5	6.4	12.6	0.0	20.9	15.4	4.5	5.3	3.8	6.7	13.5	20.1	9.2	5.3	2.0	3.9	0.4	3.6																								
2003	288.3	237.6	201.2	14.7	10.1	7.0	49.1	0.1	4.2	9.5	6.9	1.2	51.5	0.0	2.7	4.1	6.5	14.1	0.0	20.8	19.0	5.0	5.9	6.0	8.6	11.9	24.3	5.1	13.4	1.3	4.5	1.0	1.2																								
2004	278.5	228.0	193.9	14.6	9.8	8.7	48.2	0.3	3.6	8.1	6.5	1.6	46.4	0.0	2.7	4.3	6.6	13.8	0.0	21.4	16.6	5.3	8.6	6.3	8.0	11.7	15.6	9.8	15.3	0.7	5.3	2.6	0.5																								
03/02	2.1%	0.0%	0.9%	-12.0%	6.3%	-21.3%	1.4%		-8.7%	-24.0%	86.5%	0.0%			-3.6%	-8.9%	1.6%	11.9%		2.9%	23.4%	11.1%	11.3%	57.9%		-11.9%	20.9%	-44.6%		-35.0%	15.4%		-66.7%																								
04/03	-3.4%	-4.0%	-3.6%	-0.7%	-3.0%	24.3%	-1.8%		-14.3%	-14.7%	-5.8%	-9.9%			0.0%	4.9%	1.5%	-2.1%		2.9%	-12.6%	6.0%	45.8%	5.0%		-1.7%	-35.8%	92.2%		-46.2%	17.8%		-58.3%																								
Ausführen																																Exports																Exportations									
2002	260.7	191.6	165.0	9.1	20.9	11.0	38.4	1.1	1.7	7.2	80.7	0.0	0.9	0.0	0.5	11.0	2.9	8.3	0.0	4.5	14.7	11.5	3.4	4.9	10.9	1.5	14.8	0.8	15.0	8.3	0.4	3.3	0.4																								
2003	284.1	205.2	175.1	8.3	28.3	15.6	52.4	2.0	2.1	8.3	73.4	0.0	0.5	0.0	0.0	11.7	2.8	7.1	0.0	3.8	13.4	15.1	3.1	5.8	10.9	7.0	11.5	3.0	5.5	6.8	0.6	3.0	0.6																								
2004	280.0	201.9	170.4	6.8	25.5	11.5	50.2	2.1	2.0	11.1	68.6	0.0	0.8	0.0	0.6	11.5	3.2	6.3	0.0	5.2	13.6	14.6	2.1	7.1	10.4	6.8	17.7	2.3	3.8	6.6	2.3	3.8	1.1																								
03/02	9.0%	7.1%	6.1%	-8.8%	25.8%	41.8%	36.5%	81.8%	23.5%	15.3%	-9.0%		-44.4%			6.4%		-14.5%		-15.6%	-8.8%	31.3%	-8.8%	18.4%	0.0%		-22.3%		-18.1%		-9.1%	50.0%																									
04/03	-1.4%	-1.6%	-2.7%	-18.1%	-3.0%	-26.3%	-4.2%	5.0%	-4.8%	33.7%	-6.5%		60.0%			-1.7%		-11.3%		36.8%	1.5%	-3.3%	-32.3%	22.4%	-4.6%		53.9%		-2.9%		26.7%	83.3%																									
Energieverbrauch der Pumpspeicherwerke																																Absorbed by pumping																Energie absorbée pour le pompage									
2002	45.9	42.3	38.7	1.5	0.5	0.0	6.3	0.0	0.9	6.9	7.5	0.5	10.7	0.0	0.0	0.6	1.2	0.0	0.0	0.0	2.5	2.2	0.7	0.0	0.3	0.0	0.1	3.5	0.7	0.7	0.1	0.0	0.0																								
2003	44.7	40.6	37.0	1.4	0.6	0.0	7.7	0.0	0.8	4.7	7.3	0.6	10.5	0.0	0.0	0.9	1.1	0.0	0.0	0.0	2.4	2.3	0.5	0.0	0.3	0.0	0.1	3.5	0.8	0.5	0.1	0.0	0.0																								
2004	46.7	42.7	39.1	1.7	0.7	0.0	9.3	0.0	0.8	4.6	7.3	0.6	10.3	0.0	0.0	0.7	1.1	0.0	0.0	0.0	3.0	2.3	0.4	0.0	0.3	0.0	0.1	3.5	0.7	0.3	0.1	0.0	0.0																								
03/02	-2.6%	-4.0%	-4.4%	-6.7%	20.0%		22.2%		-11.1%	-31.9%	-2.7%	20.0%	-1.9%			50.0%	-8.3%			-4.0%	4.5%	-28.6%		0.0%			0.0%	0.0%	14.3%	-28.6%																											
04/03	4.5%	5.2%	5.7%	21.4%	16.7%		20.8%		0.0%	-2.1%	0.0%	0.0%	-1.9%			-22.2%	0.0%			25.0%	0.0%	-20.0%		0.0%			0.0%	-12.5%	-40.0%																												
Erzeugte Energie																																Energy supplied																Energie appelée									
2002	2839.7	2555.5	1996.5	84.2	58.5	35.3	539.8	6.9	52.5	232.2	450.5	24.0	310.7	3.6	6.2	9.0	5.9	37.8	1.9	108.3	59.2	122.1	45.6	12.7	25.5	83.6	148.5	375.2	119.7	31.6	15.2	48.3	127.0																								
2003																																																									

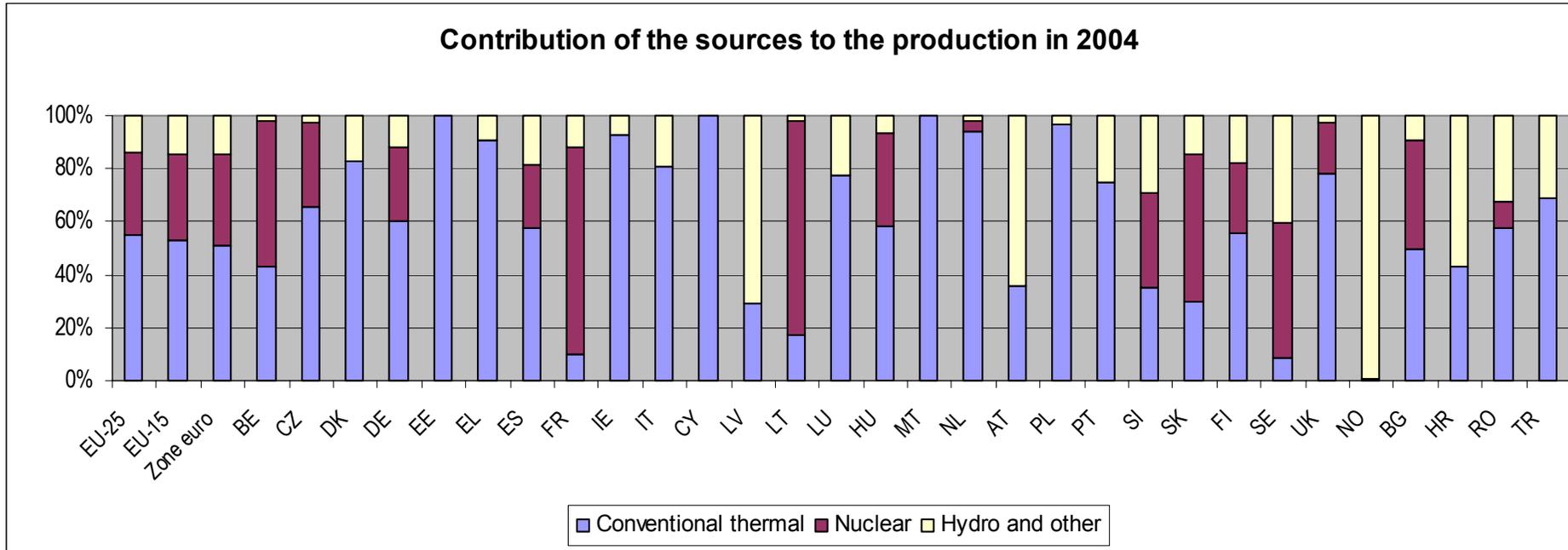
Beitrag zur Elektrizitätserzeugung nach Herkunft in %

Contribution of the sources to the production in %

Contribution des sources à la production en %

	EU-25	EU-15	Zone euro	BE	CZ	DK	DE	EE	EL	ES	FR	IE	IT	CY	LV	LT	LU	HU	MT	NL	AT	PL	PT	SI	SK	FI	SE	UK	NO	BG	HR	RO	TR
Herkömmliche Wärmekraftwerke														Conventional thermal														Thermique classique					
2002	55.2	53.1	51.5	40.5	71.0	86.6	62.7	100.0	92.1	59.2	9.9	93.3	80.4	100.0	35.9	14.3	72.2	59.7	100.0	94.6	31.5	97.0	80.6	37.0	27.7	55.2	7.9	75.8	0.5	44.3	54.2	59.4	72.9
2003	56.3	54.1	52.1	42.7	65.8	87.2	64.6	100.0	88.4	54.4	10.5	94.2	81.8	100.0	39.5	14.0	74.3	66.6	100.0	94.4	37.3	97.5	63.8	38.2	30.3	61.0	10.3	76.6	0.8	50.0	59.5	66.9	74.0
2004	55.1	53.0	51.0	42.8	65.3	82.8	60.1	100.0	90.5	57.4	10.0	92.8	80.8	100.0	28.9	16.9	77.5	58.0	100.0	94.2	35.7	97.0	74.7	35.2	29.7	55.3	8.8	78.3	0.8	49.5	43.0	57.7	68.7
Kernenergie														Nuclear														Nucléaire					
2002	32.0	33.3	35.2	57.6	25.0	0.0	29.2	0.0	0.0	25.9	77.9	0.0	0.0	0.0	0.0	80.1	0.0	39.7	0.0	4.0	0.0	0.0	0.0	38.4	54.3	29.9	45.7	21.9	0.0	48.7	0.0	10.0	0.0
2003	31.2	32.4	34.0	55.6	31.8	0.0	27.7	0.0	0.0	23.6	77.6	0.0	0.0	0.0	0.0	79.8	0.0	32.8	0.0	4.1	0.0	0.0	0.0	38.2	56.8	27.1	49.4	21.5	0.0	41.7	0.0	8.6	0.0
2004	31.2	32.4	34.1	55.1	32.1	0.0	27.8	0.0	0.0	23.9	78.1	0.0	0.0	0.0	0.0	80.8	0.0	35.3	0.0	3.8	0.0	0.0	0.0	35.9	55.9	26.6	50.6	19.3	0.0	41.5	0.0	9.9	0.0
Wasserkraft & Sonstige														Hydro and other														Hydraulique et autres					
2002	12.8	13.6	13.4	1.9	4.0	13.4	8.1	0.0	7.9	14.9	12.3	6.7	19.6	0.0	64.1	5.6	27.8	0.6	0.0	1.4	68.7	3.0	19.4	24.6	18.0	14.9	46.4	2.3	99.5	7.0	45.8	30.7	27.1
2003	12.5	13.5	13.9	1.7	2.3	12.8	7.7	0.0	11.6	22.0	11.9	5.8	18.2	0.0	60.5	6.2	25.7	0.6	0.0	1.5	62.7	2.5	36.2	23.7	12.9	11.8	40.3	1.9	99.2	8.3	40.5	24.5	26.0
2004	13.7	14.6	14.9	2.1	2.6	17.2	12.1	0.0	9.5	18.7	11.9	7.2	19.2	0.0	71.1	2.3	22.5	6.6	0.0	2.0	64.3	3.0	25.3	29.0	14.3	18.1	40.6	2.5	99.2	9.0	57.0	32.4	31.3

Table 2: Contribution of sources to total production of electricity



Further information:

Databases

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