

Energie: Jährliche Statistiken

Daten 2002

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Energy: Yearly statistics

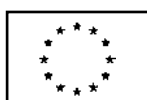
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CONVERSION COEFFICIENTS

COEFFICIENTS DE CONVERSION

					
		kJ(NCV/PCI)		kgoe (NCV)/kgep (PCI)	
Hard coal	1 kg	17200 - 30700	0.411 - 0.733	1 kg	Houille
Recoverd hard coal	"	13800 - 28300	0.330 - 0.676	"	Houille récupérée
Patent fuels	"	26800 - 31400	0.640 - 0.750	"	Agglomérés de houille
Hard coke	"	28500	0.681	"	Coke de houille
Brown coal	"	5600 - 10500	0.134 - 0.251	"	Lignite récent
Black lignite	"	10500 - 21000	0.251 - 0.502	"	Lignite ancien
Peat	"	7800 - 13800	0.186 - 0.330	"	Tourbe
Brown coal briquettes	"	20000	0.478	"	Briquettes de lignite
Tar	"	37700	0.900	"	Goudron
Benzol	"	39500	0.943	"	Benzol
Oil equivalent⁽¹⁾	1 kg	41868	1	1 kg	Equivalent pétrole⁽¹⁾
Crude oil	"	41600 - 42800	0.994 - 1.022	"	Pétrole brut
Feedstocks	"	42500	1.015	"	Feedstocks
Refinery gas	"	50000	1.194	"	Gaz de raffinerie
LPG	"	46000	1.099	"	GPL
Motor spirit	"	44000	1.051	"	Essences moteur
Kerosenes, jet fuels	"	43000	1.027	"	carburacteur
Naphtha	"	44000	1.051	"	Naphta
Gas diesel oil	"	42300	1.010	"	Gasoil, fuel-oil fluide
Residual fuel oil	"	40000	0.955	"	Fuel- oil résiduel
White spirit, industrial spirit	"	44000	1.051	"	White spirit, ess. spéciales
Lubricants	"	42300	1.010	"	Lubrifiants
Bitumen	"	37700	0.900	"	Bitumes
Petroleum cokes	"	31400	0.750	"	Coke de pétrole
Others petroleum products (paraffins, waxes, etc.)	"	30000	0.717	"	Autres produits pétroliers (paraffines, cires, etc.)
Natural gas	1 MJ (GCV)	900	0.0215	1 MJ (PCS)	Gaz naturel
Coke-oven gas	"	900	0.0215	"	Gaz de cokeries
Blast-furnace gas	"	1000	0.0239	"	Gaz de hauts fourneaux
Works gas	"	900	0.0215	"	Gaz d'usines
Nuclear energy	1 MJ(GCV)	1000	0.024	1 MJ(PCS)	Energie nucléaire
Biomass	1 MJ (GCV)	1000	0.024	1 MJ (PCS)	Biomasse
Solar energy	"	1000	0.024	"	Energie solaire
Geothermal energy	"	1000	0.024	"	Energie géothermique
Hydro energy	1 kWh	3600	0.086	1 kWh	Energie hydraulique
Wind energy	1 kWh	3600	0.086	1 kWh	Energie éolienne
Derived heat	1 MJ (GCV)	1000	0.024	1MJ(PCS)	Chaleur dérivée
Electrical energy	1 kWh	3600	0.086	1 kWh	Energie électrique

⁽¹⁾ The tonne of oil equivalent is a conventional standardized unit defined on the basis of a tonne of oil with a net calorific value of 41868 kilojoules/kg. The conversion coefficients from the specific units to kgoe (kilogramme of oil equivalent) are thus computed by dividing the conversion coefficients to the kilojoules by 41868.

⁽¹⁾ La tonne d'équivalent pétrole est une unité conventionnelle standardisée définie sur la base d'une tonne de pétrole ayant un pouvoir calorifique inférieur de 41868 kilojoules/kg. Les coefficients de conversion des unités spécifiques vers le kgep (kilogramme d'équivalent pétrole) sont de ce fait calculés en divisant les coefficients de conversion vers les kilojoules par 41868.

BREAKDOWN OF ENERGY CONSUMPTION BY INDUSTRY (except the 'Energy' branch)

of which :

1. **Iron and steel** (NACE¹ 27.1 + 27.2 + 27.3 + 27.51 + 27.52)
2. **Non-ferrous metals** (NACE 27.4 + 27.53 + 27.54)
3. **Chemical industry** (NACE 24)
4. **Non-metallic mineral products** (NACE 26)
5. **Ore-extraction (except fuels)** (NACE 13 + 14)
6. **Food, drink and tobacco** (NACE 15 + 16)
7. **Textile, leather and clothing** (NACE 17 + 18 + 19)
8. **Paper and printing** (NACE 21 + 22)
9. **Engineering and other metal** (NACE 28 + 29 + 30 + 31 + 32+ 34 + 35)
10. **Other non-classified** (NACE 20 + 25 + 33 + 36 + 37 + 45)

¹ NACE Rev.1 General Classification of Industrial Activities in the European Community


Abbreviations and symbols

p	provisional data	kWh	kilowatt hour
:	no data available	MW	megawatt = 10^3 kW
¾	nil*	GWh	gigawatt hour = 10^6 kWh
0	figure less than half the unit used	J	joule
kgoe	kilogram of oil equivalent (41868 kjoules NCV/kg)	kJ	kilojoule
Mio	million	TJ	terajoule = 10^9 kJ
Mrd	1 000 million	NCV	net calorific value
t	tonne (metric ton)	GCV	gross calorific value
t = t	tonne for tonne	EUR	European currency unit
toe	tonne of oil equivalent (41868 kjoules NCV/kg)	of which	the words 'of which' indicate the presence of all the subdivisions of the total
		among which	the words 'among which' indicate the presence of certain subdivisions only

*External trade by country of origin is not yet available for the 10 new Member States

1. Energy economy

Key figures and energy indicators

		EU-25					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	912 762	892 473	899 809	891 762	892 818	890 752p
Net energy imports		752 173	785 985	765 080	801 543	827 273	826 240p
Net oil imports		514 855	537 605	503 460	518 220	540 311	525 219p
Net gas imports		154 000	161 735	177 312	186 465	182 013	197 390
Gross inland energy consumption		1 619 822	1 642 566	1 637 145	1 652 151	1 686 830p	1 676 895p
Final energy consumption		1 056 724	1 067 034p	1 069 021p	1 068 859p	1 093 965p	1 080 065p
Industry		308 136	303 267p	299 067p	309 890p	309 856p	307 014p
Transport		311 519	323 111	331 888	333 384	335 741p	338 086p
Services and households etc.		437 068	440 657p	438 066p	425 585p	448 368p	434 965p
Gross electricity generation	GWh	2 739 940	2 813 483	2 849 359	2 928 492	3 004 575	3 018 030
Final electricity consumption		2 286 755	2 337 201	2 379 414	2 458 026	2 515 847p	2 539 196p
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	7 117 361	7 327 328	7 538 141	7 806 436	7 937 048	8 021 323
Population	1000 per.	449 327	450 218	451 259	452 577	453 170	453 788
Industry added value	Mio EUR	:	:	:	:	:	:
Total imports (current prices)	Mio EUR	2 221 510	2 446 812	2 624 086	2 913 745	2 975 386	3 008 200
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	227.6	224.2	217.2	211.6	212.5	209.1
Final energy consumption / GDP(95)		148.5	145.6	141.8	136.9	137.8	134.6
Energy intensity of industry:							
Final consumption / gross value-added mp		:	:	:	:	:	:
Energy intensity of service sector:							
Final consumption / gross value-added mp		:	:	:	:	:	:
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 605	3 648	3 628	3 651	3 722	3 695
Final energy consumption / capita		2 352	2 370	2 369	2 362	2 414	2 380
Household consumption / capita		633	633	627	606	640	604
Electricity consumption / capita	kWh/cap.	5 354	5 460	5 545	5 672	5 753	5 894
Energy dependency							
Net energy imports/Gross consumption	in %	45.3	46.7	45.6	47.3	47.8	48.0
Energy efficiency							
Final energy consumption/Gross inland consumption		65.2	65.0	65.3	64.7	64.9	64.4
Efficiency of thermal power stations		45.7	46.0	46.0	43.7	44.3	44.1

2. Energy balance

Principal aggregates by product

eurostat	in 1 000 toe	EU-25						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total		912 762	892 473	899 809	891 762	892 818	890 752p	-0.2%
among which:	Hard coal	180 765	158 894	145 820	134 273	129 817	125 762	-3.1%
	Lignite and peat	72 832	68 079	67 774	67 500	70 807	73 745	4.1%
	Crude oil	160 123	163 918	170 146	162 314	151 420	154 380	2.0%
	Natural Gas	189 151	188 110	191 766	196 665	197 220	193 274	-2.0%
	Nuclear heat	226 661	226 815	234 450	237 664	246 026	248 401	1.0%
	Hydro-electricity	26 699	27 673	27 525	28 982	30 402	25 574	-15.9%
	Biomass	51 580	53 461	55 928	57 985	60 463	61 685p	2.0%
Imports								
Total		1 139 897	1 180 952	1 167 522	1 232 645	1 258 477	1 262 513p	0.3%
among which:	Hard coal	106 717	111 092	106 258	117 028	130 049	122 933	-5.5%
	Crude oil and feedstocks	602 126	626 862	592 946	615 258	615 021	602 495	-2.0%
	Petroleum products	211 027	217 951	221 762	231 811	242 075	245 119p	1.3%
	Natural Gas	193 118	198 637	218 732	235 394	237 662	256 946	8.1%
	Electricity	17 257	16 531	18 933	21 914	21 756	23 752p	9.2%
Exports								
Total		387 724	394 967	402 442	431 102	431 204	436 273p	1.2%
among which:	Crude oil and feedstocks	97 491	101 358	112 226	118 373	106 183	109 140	2.8%
	Petroleum products	200 806	205 850	199 022	210 475	210 602	213 255p	1.3%
	Natural gas	39 118	36 902	41 421	48 929	55 649	59 556	7.0%
	Electricity	16 718	16 333	17 727	19 771	20 718	21 888p	5.6%
Gross inland consumption								
Total		1 619 822	1 642 566	1 637 145	1 652 151	1 686 830p	1 676 895p	-0.6%
among which:	Solid fuels	332 503	322 812	298 851	305 602	307 144	305 528	-0.5%
	Crude oil and petrol. prod.	635 219	651 104	644 819	634 762	648 036	638 000p	-1.5%
	Natural gas	338 902	351 859	365 959	376 285	383 972	384 923	0.2%
	Nuclear Energy	226 661	226 815	234 450	237 664	246 026	248 401	1.0%
	Renewables	83 376	86 982	89 417	93 007	97 558	94 936p	-2.7%
Transformation input								
Total		1 372 178	1 396 056p	1 369 413	1 397 450	1 403 819p	1 407 745p	0.3%
among which:	Crude oil and feedstocks	710 559	730 669	696 291	710 439	709 221	704 295	-0.7%
	Petroleum products	46 606	46 883	44 916	40 249	38 781	38 228p	-1.4%
	Hard coal	203 964	203 772	193 253	201 084	198 044	196 125	-1.0%
	Lignite and peat	70 694	68 714	66 585	68 801	71 576	72 568	1.4%
	Renewables	12 379	12 990	14 542	15 511	16 270	17 725	8.9%
Transformation output								
Total		1 025 216	1 044 571p	1 006 016p	1 013 251p	1 016 903p	1 012 280p	-0.5%
among which:	Electricity	206 299	211 179	213 964	218 576	223 151	228 112p	2.2%
	Heat	43 971	42 839p	44 519p	33 082p	35 627p	34 293p	-3.7%

Final energy consumption

Total	1 056 724	1 067 034p	1 069 021p	1 068 859p	1 093 965p	1 080 065p	-1.3%
<i>among which:</i> Solid fuels	75 656	66 203	60 384	58 203	56 939	52 455	-7.9%
Petroleum products	461 992	471 908	473 347	469 382	480 794	475 153p	-1.2%
Natural Gas	231 553	238 160	240 252	247 258	253 145	249 414	-1.5%
Renewables	39 454	40 672	40 848	42 795	44 622	44 400p	-0.5%
Electricity	196 626	200 963	204 593	211 352	216 324p	218 332p	0.9%

Final energy consumption by sector
Industry

Total	308 136	303 267p	299 067p	309 890p	309 856p	307 014p	-0.9%
<i>among which:</i> Solid fuels	53 532	49 003	44 400	45 186	43 742	40 053	-8.4%
Petroleum Products	49 967	48 403	46 250	45 828	49 324	48 036p	-2.6%
Natural Gas	85 873	88 297	90 110	96 445	94 493	95 344	0.9%
Renewables	14 141	14 543	14 632	15 465	15 466	15 977	3.3%
Electricity	82 920	84 047	85 490	89 629	89 590p	91 056p	1.6%


Transport

Total	311 519	323 111	331 888	333 384	335 741p	338 086p	0.7%
<i>among which:</i> Motor spirit	134 297	134 578	135 750	129 869	127 085	124 810p	-1.8%
Diesel oil	129 318	136 899	141 812	147 320	153 626	158 575p	3.2%
Jet fuel	36 946	40 540	43 308	45 178	43 721	42 963p	-1.7%
Electricity	5 719	5 755	5 740	5 916	5 847p	5 980p	2.3%


Services&households

Total	437 068	440 657p	438 066p	425 585p	448 368p	434 965p	-3.0%
<i>among which:</i> Solid fuels	22 112	17 194	15 983	13 006	13 168	12 379	-6.0%
Gas oil	87 799	87 353	81 936	78 683	84 059	77 767p	-7.5%
Natural Gas	145 381	149 567	149 839	150 475	158 233	153 649	-2.9%
Renewables	24 940	25 782	25 825	26 725	28 497	27 635p	-3.0%
Electricity	107 986	111 161	113 363	115 807	120 887p	121 295p	0.3%
Heat	28 814	29 208p	30 495p	21 521p	23 931p	22 802p	-4.7%


3.1 Electricity balance

 eurostat	EU-25						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	2 739 940	2 813 483	2 849 359	2 928 492	3 004 575	3 018 030	0.4%
<i>among which:</i>							
Hydro	333 578	346 772	347 852	364 205	382 330	329 405	-13.8%
Wind	7 343	11 305	14 215	22 249	27 018	35 706	32.2%
Geothermal	3 956	4 272	4 483	4 785	4 612	4 758	3.2%
Nuclear	914 195	911 299	922 937	921 359	953 759	964 123	1.1%
Conventional thermal	1 480 868	1 539 835	1 559 872	1 615 894	1 636 856	1 684 038	2.9%
<i>of which:</i>							
Hard coal	597 918	608 519	577 035p	613 174p	611 878p	616 414p	0.7%
Lignite and peat	268 360	268 580	263 537	274 093p	285 691p	279 019p	-2.3%
Petroleum products	202 945	209 599	197 091	176 396p	170 179p	185 686p	9.1%
Natural gas	344 895	381 320	445 100	473 210p	477 675p	513 825p	7.6%
Derived gases	30 448	32 052	32 285	29 998p	30 850p	28 804p	-6.6%
Biomass	28 643	31 501	36 501	40 072	43 266	48 821p	12.8%
Industrial wastes	7 659	8 264	8 323p	8 951p	17 317p	11 469p	-33.8%
Total net generation	2 588 209	2 661 583	2 698 217	2 774 691	2 848 502	2 863 884	0.5%
Imports and exports							
Total imports	200 699	192 260	220 185	254 865	253 018	276 241p	9.2%
Total exports	194 431	189 953	206 160	229 935	240 956	254 556p	5.6%
Consumption and losses							
Consumption of the energy branch	260 413	266 697	268 695	267 899	268 687p	273 944p	2.0%
<i>of which:</i>							
Consumption for pumped-storage	7 627	9 231	9 929	13 523	12 118	13 909	14.8%
Network losses	176 175	189 008	188 652	200 362	203 486p	194 614p	-4.4%
Final energy consumption	2 286 755	2 337 201	2 379 414	2 458 026	2 515 847p	2 539 196p	0.9%
<i>of which:</i>							
Industry	964 365	977 462	994 247	1 042 389	1 041 930p	1 058 986p	1.6%
<i>among which:</i>							
Iron&steel industries	121 005	118 452	117 066	126 517	123 618p	120 073p	-2.9%
Non-ferrous metal	66 298	69 365	70 682	72 973	75 158p	75 472p	0.4%
Chemical industries	188 133	190 224	190 306	194 222	189 790p	190 977p	0.6%
Non-met. mineral	72 189	72 819	75 128	75 534	77 265p	77 875p	0.8%
Food, drink, tobacco	90 996	91 657	93 654	97 049	97 726p	100 500p	2.8%
Pulp, paper and printing	119 476	122 638	125 258	130 927	131 624p	133 920p	1.7%
Engineering & metal	132 342	137 015	138 774	142 059	142 992p	144 577p	1.1%
Other industries	120 918	122 971	132 309	149 557	149 055p	161 135p	8.1%
Transport	66 512	66 933	66 757	68 802	67 996p	69 544p	2.3%
Services & households etc.	1 255 878	1 292 806	1 318 410	1 346 835	1 405 921p	1 410 666p	0.3%
<i>among which:</i>							
Households	665 289	679 385	690 405	694 771	725 815	723 783p	-0.3%


3.2 Electrical capacity, fuel inputs and heat


		EU-25						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	633 560	637 035	650 235	663 764	671 181	685 605p	2.1%
<i>by source:</i>								
Conventional thermal		370 123	372 197	379 588	387 343	390 216	393 761p	0.9%
<i>of which:</i>								
Steam		302 825	297 596	298 454	298 713	294 446	:	
Gas turbine		26 169	25 074	26 287	26 586	26 949	:	
Combined cycle		26 019	33 141	37 471	48 728	52 956	:	
Internal combustion		6 512	7 605	7 939	9 507	9 407	:	
Nuclear		132 804	132 197	133 764	133 738	133 769	135 994	1.7%
Hydro		125 487	125 875	127 381	128 863	129 418	132 119	2.1%
<i>among which:</i>								
Pumped storage		33 358	36 257	35 907	34 885	34 925	30 860	-11.6%
Wind		4 607	6 207	8 905	13 216	17 191	23 051	34.1%
Geothermal		539	559	597	604	587	680	15.8%
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		578 696	579 476	585 663	617 106	623 500	638 056p	2.3%
Autoproducers		55 303	57 811	60 151	46 613	47 555	47 917p	0.8%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	342 726	350 724p	354 737	364 543	368 827p	379 082p	2.8%
<i>among which:</i>								
Hard coal		142 335	144 779	139 171	146 316	147 034	147 895	0.6%
Lignite and peat		65 760	64 823	63 020	65 300	68 122	69 179	1.6%
Petroleum products		42 618	43 116	41 959	37 356	35 977	36 115p	0.4%
Natural gas		69 568	73 460	84 583	88 883	90 797	97 075	6.9%
Renewables		13 476	14 415	15 769	15 963	16 591	18 306	10.3%
Heating plants		17 132	15 939	17 923	16 986	16 822	15 505	-7.8%
<i>among which:</i>								
Hard coal		6 230	5 458	5 565	5 074	4 886	4 445	-9.0%
Lignite and peat		881	723	621	587	272	296	8.7%
Petroleum products		3 020	2 866	2 122	2 105	2 194	1 464	-33.2%
Natural gas		4 236	4 220	6 305	6 034	6 272	6 157	-1.8%
Renewables		2 308	2 251	2 639	2 497	2 726	2 738	0.4%
Heat production and consumption								
Total heat production	TJ	43 971	42 839p	44 519p	33 082p	35 627p	34 293p	-3.7%
<i>among which: in heating plants</i>								
		15 092	14 195p	16 000p	12 941p	13 251p	12 143p	-8.4%
Heat consumption		37 825	36 903p	38 828p	28 572p	31 324p	30 088p	-3.9%
<i>of which: in industry</i>								
		9 011	7 696p	8 333p	7 051p	7 393p	7 287p	-1.4%
<i>in households and services</i>								
		28 814	29 208p	30 495p	21 521p	23 931p	22 802p	-4.7%
<i>among which: in households</i>								
		19 664	19 612p	19 540p	14 014p	16 024p	15 230p	-5.0%

4.1 Crude oil and feedstocks


 eurostat	EU-25							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	157 757	161 567	167 709	160 231	149 393	152 240	1.9%	
Total imports	599 336	624 427	590 909	613 320	613 006	602 060	-1.8%	
Total exports	95 992	99 821	110 524	116 754	104 688	107 544	2.7%	
Stock changes	745	-4 287	1 252	1 140	-2 018	230	111.4%	
Refinery intake	706 203	726 768	692 852	707 240	705 925	702 473	-0.5%	
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC	:	:	:	:	:	:	:	
Near and Middle East	:	:	:	:	:	:	:	
Africa	:	:	:	:	:	:	:	
<i>by country of origin:</i>								
Algeria	:	:	:	:	:	:	:	
Nigeria	:	:	:	:	:	:	:	
Saudi Arabia	:	:	:	:	:	:	:	
Kuwait	:	:	:	:	:	:	:	
United Arab Emirates	:	:	:	:	:	:	:	
Norway	:	:	:	:	:	:	:	
Refining capacity								
Capacity at the end of year	651 541	664 170	664 600	667 440	:	:	:	
<i>among which:</i>								
Cracking and others	231 800	266 290	270 250	278 230	:	:	:	
Reforming	84 700	90 010	89 180	89 550	:	:	:	

4.2 Petroleum products


 eurostat	EU-25						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	700 837	720 494	682 987	695 506	696 131	692 114	-0.6%
<i>among which:</i>							
Motor spirit	151 870	154 837	145 466	143 297	145 438	146 953	1.0%
Kerosene and jet fuel	45 068	46 050	46 128	44 824	42 569	41 311	-3.0%
Naphtha	43 647	43 448	40 830	44 020	42 943	39 097	-9.0%
Gas/diesel oil	240 815	248 695	237 017	245 577	248 896	247 557	-0.5%
Residual fuel oil	122 317	128 380	115 682	117 505	113 752	108 417	-4.7%
Total imports	212 140	218 940	222 948	233 114	243 136	246 695p	1.5%
Total exports	200 138	205 292	198 339	210 003	210 099	212 850p	1.3%
Bunkers	41 836	43 510	41 963	44 607	46 380	47 793p	3.0%
Stock changes	-627	-4 875	9 236	-5 670	2 048	2 840p	38.7%
Gross inland consumption	-29 772	-34 083	-7 026	-25 877	-10 178	-9 734p	-4.4%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	39 249	40 588	39 186	40 576	37 414	34 570	-7.6%
United Kingdom	20 406	20 042	21 208	21 824	20 730	22 086	6.5%
Norway	6 739	8 046	6 885	6 408	4 612	6 871	49.0%
OPEC	20 382	22 029	22 656	27 911	23 914	25 335	5.9%
Imports by product							
<i>among which:</i>							
Motor spirit	28 955	31 494	31 039	33 831	31 675	29 011p	-8.4%
Kerosene and jet fuel	10 561	12 958	14 739	16 793	20 051	18 016p	-10.1%
Gas/diesel oil	68 136	72 267	73 919	71 881	83 633	85 945p	2.8%
Residual fuel oil	44 857	44 706	41 663	46 515	44 548	50 545p	13.5%
Exports by product							
<i>among which:</i>							
Motor spirit	44 668	47 372	46 824	48 413	47 626	50 037	5.1%
Kerosene and jet fuel	10 794	10 850	11 673	11 019	11 088	10 545	-4.9%
Gas/diesel oil	60 910	62 854	61 417	62 349	65 950	67 624p	2.5%
Residual fuel oil	42 678	45 112	38 349	44 809	42 638	41 181	-3.4%
Consumption							
Inputs to electricity plants	44 466	44 968	43 587	38 804	37 428	37 600p	0.5%
Inputs to heating plants	3 131	2 972	2 196	2 181	2 276	1 511	-33.6%
Non-energy use	94 412	91 598	90 995	92 643	90 081	89 002p	-1.2%
Final energy consumption	453 404	462 926	464 310	460 395	472 264	466 888p	-1.1%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	13 333	13 425	12 710	13 071	13 904	13 662p	-1.7%
Residual fuel oil	22 502	21 412	20 000	17 373	17 272	16 877p	-2.3%

 eurostat	EU-25							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry	4 463	4 283	3 705	3 653p	3 401	3 283p	-3.5%	
Non-ferrous metals	1 602	1 379	1 429	1 616p	1 127	1 091p	-3.2%	
Chemical industry	8 059	6 706	5 841	5 664p	9 513	8 321p	-12.5%	
Non-met. mineral prod.	11 520	11 447	12 701	12 479p	12 709	12 366p	-2.7%	
Food, drink, tobacco	5 537	5 398	5 101	4 820p	4 896	5 008p	2.3%	
Pulp, paper and print	2 823	2 407	2 396	2 337p	2 283	2 379p	4.2%	
Engineering & metal	3 695	3 642	3 477	3 324p	3 492	3 668p	5.0%	
Other industries	11 790	12 271	10 992	10 995p	11 625	10 986p	-5.5%	
Transport	296 065	307 466	316 031	317 252	319 621	321 782p	0.7%	
<i>among which:</i>								
Motor spirit	127 790	128 057	129 172	123 576	120 927	118 762p	-1.8%	
Jet fuel	35 973	39 473	42 168	43 989	42 570	41 832p	-1.7%	
Diesel oil	127 997	135 501	140 364	145 815	152 057	156 956p	3.2%	
Services & households etc.	105 141	105 027	99 903	95 301	100 874	94 519p	-6.3%	
<i>among which:</i>								
Gas oil	86 902	86 461	81 099	77 879	83 201	76 973p	-7.5%	
Residual fuel oil	4 346	4 304	4 486	3 339	3 256	3 200p	-1.7%	
Stocks at end of period								
Crude oil and feedstocks	53 818	58 224	56 591	54 750	53 127	57 552	8.3%	
Petroleum products	87 567	98 972	89 834	95 195	92 653	90 528	-2.3%	


5. Natural gas

 eurostat	EU-25						
	in TJ (GCV)						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	8 799 324	8 750 865	8 920 946	9 148 843	9 174 677	8 991 095	-2.0%
Total imports	8 983 856	9 240 577	10 175 423	10 950 533	11 056 051	11 953 137	8.1%
Total exports	1 819 756	1 716 662	1 926 887	2 276 184	2 588 783	2 770 545	7.0%
Stock changes	-197 718	93 703	-145 082	-318 397	220 443	-267 056	-221.1%
Gross inland consumption	15 765 706	16 368 483	17 024 400	17 504 795	17 862 388	17 906 631	0.2%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	c	c	c	c	c	c	
Algeria	1 709 750	1 846 631	2 109 596	2 187 817	1 901 242	2 022 335	6.4%
Norway	c	c	c	c	c	c	
Consumption							
Inputs to electricity plants	3 236 285	3 417 370	3 934 822	4 134 830	4 223 859	4 515 927	6.9%
Inputs to heat plants	197 051	196 319	293 324	280 681	291 784	286 414	-1.8%
Consumption of energy branch	512 876	548 803	569 187	576 041	648 263	636 424	-1.8%
Distribution losses	166 653	151 646	141 323	161 171	140 257	108 876	-22.4%
Non-energy use	644 912	642 995	621 036	645 142	606 374	545 575	-10.0%
Industry	3 994 790	4 107 590	4 191 922	4 486 633	4 395 805	4 435 391	0.9%
<i>among which:</i>							
Iron&steel industry	464 494	465 714	464 420	476 429	490 202	476 961	-2.7%
Non-ferrous metals	110 904	129 872	122 163	128 202	131 486	137 468	4.5%
Chemical industry	892 124	889 156	935 602	990 694	929 087	937 857	0.9%
Non-met. mineral prod.	646 247	665 735	692 752	743 863	762 289	721 729	-5.3%
Food, drink, tobacco	536 549	552 136	575 086	605 018	596 362	623 802	4.6%
Pulp, paper and print	392 788	405 159	413 451	411 787	404 348	410 985	1.6%
Engineering & metal	439 217	482 539	478 193	502 421	511 997	489 752	-4.3%
Other industries	318 233	319 864	315 088	325 452	362 620	423 097	16.7%
Transport	13 938	13 752	14 100	15 734	19 519	19 595	0.4%
Services & households etc.	6 763 109	6 957 838	6 970 492	7 000 074	7 360 984	7 147 771	-2.9%
<i>among which:</i>							
Households	4 785 133	4 888 167	4 983 942	5 004 417	5 252 433	4 823 766	-8.2%
Services	489 395	549 417	541 719	505 172	551 654	522 887	-5.2%


6.1 Hard coal


 eurostat	EU-25							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	333 128	291 181	267 938	253 017	247 132	239 280	-3.2%	
Total imports	164 569	169 680	165 368	182 955	205 639	194 000	-5.7%	
Total exports	47 902	49 426	43 190	43 662	51 356	41 923	-18.4%	
Stock changes	-9 126	11 315	1 765	13 445	2 109	2 813	33.4%	
Gross inland consumption	443 793	425 300	394 675	408 478	405 246	396 212	-2.2%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	:	:	:	:	:	:	:	
Poland	:	:	:	:	:	:	:	
CIS	:	:	:	:	:	:	:	
Australia	:	:	:	:	:	:	:	
South Africa	:	:	:	:	:	:	:	
Colombia	:	:	:	:	:	:	:	
Consumption								
Inputs to electricity plants	270 271	265 867	257 702	273 337	274 078	275 207	0.4%	
Inputs to heat plants	12 224	10 605	10 141	9 326	9 538	8 658	-9.2%	
Consumption of energy branch	2 805	2 672	2 485	1 841	1 834	2 234	21.8%	
Industry								
<i>among which:</i>								
Iron&steel industry	13 383	12 336	12 080	12 443	12 725	11 774	-7.5%	
Non-ferrous metals	550	568	622	410	628	504	-19.7%	
Chemical industry	6 696	4 819p	4 799	5 339	5 301	5 434	2.5%	
Non-met. mineral prod.	11 079	9 424p	8 968	7 843	7 731	6 640	-14.1%	
Food, drink, tobacco	4 600	3 791	3 338	3 197	3 008	3 100	3.1%	
Pulp, paper and print	2 738	2 037p	1 906	1 802	1 860	1 677	-9.8%	
Engineering & metal	1 941	1 525	1 160	1 298	1 065	923	-13.3%	
Other industries	3 633	2 638p	1 541	3 067	1 365	717	-47.5%	
Services & households etc.	27 349	21 496	21 267	17 268	18 081	16 570	-8.4%	
Structural data								
Personnel employed underground (annual mean in 1000's)	:	:	:	:	:	:	:	
Number of active hard coal mines (end of year)	:	:	:	:	:	:	:	

6.2 Coal derivatives and peat

	EU-25						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	58 063	55 931	50 908	51 792	49 175	46 031	-6.4%
Patent Fuel	1 406	1 035	1 005	857	768	690	-10.2%
Lignite and peat	363 375	343 940	344 365	346 529	357 888	368 521	3.0%
Brown coal briquettes	8 275	6 607	6 236	6 115	6 050	5 839	-3.5%
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	468 961	450 788p	403 735	414 171	376 622	349 621	-7.2%
Blast-furnace gas	603 342	583 597	563 281	596 695	553 108	550 436	-0.5%
Gasworks gas	35 639	25 543	22 180	25 697	21 926	21 935	0.0%
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	38 357	35 744	33 442	34 613	33 408	30 467	-8.8%
<i>among which:</i>							
Iron & steel industry	31 462	29 589	27 640	29 458	29 042	25 940	-10.7%
Services & households	3 687	2 597	2 375	1 910	1 717	1 537	-10.5%
Patent Fuel	1 412	1 176	987	888	772	715	-7.4%
<i>among which:</i>							
Services & households	1 374	1 144	969	861	734	689	-6.1%
Lignite and peat	8 118	7 423	5 846	5 531	5 252	5 379	2.4%
<i>among which:</i>							
Industry	3 733	4 222	3 097	2 846	3 176	2 896	-8.8%
Services & households	4 384	3 201	2 749	2 673	2 062	2 483	20.4%
Brown coal briquettes	6 871	5 261	4 837	4 679	4 305	4 192	-2.6%
<i>among which:</i>							
Industry	2 664	2 474	2 423	2 453	2 259	2 089	-7.5%
Services & households	4 207	2 787	2 414	2 226	2 046	2 103	2.8%
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	212 425	197 151p	159 839	161 831	154 409	139 294	-9.8%
Blast-furnace gas	298 980	261 214	237 357	255 850	242 625	235 106	-3.1%
Gasworks gas	19 683	17 596	12 430	9 435	4 413	3 941	-10.7%
Inputs to electricity plants	301 249	333 506p	354 216	365 853	334 626	332 632	-0.6%
Inputs to heat plants	12 521	11 589	23 694	22 628	13 066	9 612	-26.4%
Consumption of energy branch	230 383	219 855p	185 279	200 882	178 221	179 139	0.5%
Consumption in industry	520 832	465 625p	402 680	418 926	397 289	374 647	-5.7%

7. Renewable energy sources

		EU-25						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	82 966	86 529	89 264	92 619	97 070	94 511p	-2.6%
Hydro (excl. pumping)		26 699	27 673	27 525	28 982	30 402	25 574	-15.9%
Wind		632	1 040	1 221	1 913	2 323	3 070	32.2%
Solar		295	327	372	417	463	498p	7.6%
Geothermal		3 761	4 028	4 217	3 322	3 420	3 684p	7.7%
Biomass		51 580	53 461	55 928	57 985	60 463	61 685p	2.0%
	<i>among which:</i>							
Wood, wood-waste		43 661	45 080	46 787	47 649	49 271	50 008p	1.5%
Municipal solid waste		5 909	6 270	6 825	7 437	7 685	7 735p	0.7%
Biogas		1 631	1 760	1 915	2 284	2 617	2 775p	6.0%
Gross inland consumption		83 376	86 982	89 417	93 007	97 558	94 936p	-2.7%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		3 405	3 676	3 865	2 949	3 046	3 318	8.9%
Biomass		12 379	12 990	14 542	15 511	16 270	17 725	8.9%
	<i>among which:</i>							
Wood, wood-waste		5 373	5 667	6 600	6 725	7 210	8 245p	14.3%
Municipal waste		5 776	5 975	6 440	6 880	7 022	7 133p	1.6%
Biogas		1 232	1 348	1 502	1 906	2 215	2 345p	5.8%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	40 102	41 345	41 566	43 576	45 442	45 235p	-0.5%
	<i>by sector:</i>							
Industry		14 141	14 544	14 632	15 465	15 466	15 978	3.3%
Services & households etc.		25 587	26 454	26 542	27 505	29 317	28 470p	-2.9%
Transport		374	347	392	605	659	787	19.5%
	<i>by source:</i>							
Biomass		39 454	40 672	40 848	42 795	44 622	44 400p	-0.5%
	<i>among which:</i>							
Wood, wood-waste		38 645	39 799	39 883	41 227	42 506	42 205p	-0.7%
Municipal waste		38	128	152	555	663	601	-9.3%
Biogas		391	392	413	377	403	429p	6.4%
Geothermal		356	352	352	373	365	366p	0.2%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		40	61	74	109	203	263p	29.6%
Hydro with installed capacity < 1 MW		:	:	:	:	9 319	9 429p	1.2%
Hydro with installed capacity > 1 & <10 MW		:	:	:	:	33 250	29 530p	-11.2%
Hydro with installed capacity > 10 MW		:	:	:	:	312 987	257 893p	-17.6%
Wood, Wood-waste		:	:	:	:	22 145	25 673p	15.9%
Municipal waste		:	:	:	13 516	13 812	14 524p	5.2%
Biogas		:	:	:	:	6 595	9 297p	41.0%

	EU-25						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	59	87	94	146p	268	332p	23.9%
Hydro with installed capacity < 1 MW	:	:	:	:	2 324	2 243p	-3.5%
Hydro with installed capacity > 1 & <10 MW	:	:	:	:	7 983	8 316p	4.2%
Hydro with installed capacity > 10 MW	:	:	:	:	83 761	92 198p	10.1%
Wood, Wood-waste	4 156	4 439	4 851	4 916p	4 677p	4 901p	4.8%
Municipal waste	1 760	1 912	2 118	2 363	2 458	2 535p	3.1%
Biogas	613	702	954	1 209	1 363	1 601p	17.5%
Liquid biofuels							
Production	<i>1000 t</i>						
	468	435	527	815	1 135	1 415	24.7%
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	:	:	:	:	:	:	:

1. Energy economy

Key figures and energy indicators

eurostat		EU-15					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	754 225	748 021	762 043	756 118	753 829	750 908p
Net energy imports		691 943	723 867	705 742	742 241	766 414	763 550p
Net oil imports		468 249	489 347	457 314	472 602	494 863	479 390
Net gas imports		124 157	131 462	147 287	155 263	148 881	163 509
Gross inland energy consumption		1 405 769	1 435 456	1 438 090	1 455 277	1 484 317p	1 475 390p
Final energy consumption		926 089	942 185p	947 114p	950 199p	969 800p	957 446p
Industry		261 188	260 836p	261 460p	270 614p	271 362p	269 050p
Transport		288 419	300 018	307 366	310 499	311 539p	313 438p
Services and households etc.		376 483	381 331p	378 289p	369 086p	386 899p	374 958p
Gross electricity generation	GWh	2 426 456	2 492 578	2 532 971	2 600 984	2 668 346	2 678 292
Final electricity consumption		2 060 897	2 113 108	2 157 258	2 229 599	2 281 988p	2 304 659p
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	6 867 061	7 067 614	7 269 939	7 527 397	7 651 321	7 728 691
Population	1000 per.	374 259	375 221	376 338	377 742	378 443	379 353
Industry added value	Mio EUR	:	:	:	:	:	:
Total imports (current prices)	Mio EUR	2 100 352	2 308 108	2 480 754	2 748 851	2 804 950	2 830 281
among which:							
All energy commodities		121 506	90 229	113 146	213 774	208 349	200 363
Oil products		94 307	64 995	88 794	174 222	157 567	150 285
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	204.7	203.1	197.8	193.3	194.0	190.9
Final energy consumption / GDP(95)		134.9	133.3	130.3	126.2	126.7	123.9
Energy intensity of industry:							
Final consumption / gross value-added mp		:	:	:	:	:	:
Energy intensity of service sector:							
Final consumption / gross value-added mp		:	:	:	:	:	:
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 756	3 826	3 821	3 853	3 922	3 889
Final energy consumption / capita		2 474	2 511	2 517	2 515	2 563	2 524
Household consumption / capita		653	660	652	633	665	624
Electricity consumption / capita	kWh/cap.	5 640	5 777	5 884	6 025	6 109	6 270
Energy dependency							
Net energy imports / Gross consumption	in %	47.9	49.0	47.8	49.6	50.2	50.2
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	65.9	65.6	65.9	65.3	65.3	64.9
Efficiency of thermal power stations		45.0	45.2	45.5	43.0	43.5	43.3

2. Energy balance

Principal aggregates by product

eurostat	EU-15						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>							
Primary production							
Total	754 225	748 021	762 043	756 118	753 829	750 908p	-0.4%
<i>among which:</i> Hard coal	73 820	66 363	59 761	50 826	45 805	43 171	-5.7%
Lignite and peat	51 302	47 217	47 588	47 607	51 201	53 871	5.2%
Crude oil	157 402	161 200	167 438	159 436	148 372	151 391	2.0%
Natural Gas	182 212	181 538	185 708	190 581	190 973	187 084	-2.0%
Nuclear heat	212 615	212 052	220 206	222 846	229 878	230 561	0.3%
Hydro-electricity	25 465	26 267	26 195	27 627	28 987	24 159	-16.7%
Biomass	46 460	47 861	48 788	50 861	52 304	53 125	1.6%
Imports							
Total	1 040 288	1 078 967	1 070 243	1 134 096	1 154 130	1 156 361p	0.2%
<i>among which:</i> Hard coal	98 020	102 785	99 545	110 698	123 521	116 081	-6.0%
Crude oil and feedstocks	562 024	584 787	552 919	573 468	571 713	560 122	-2.0%
Petroleum products	194 343	199 870	204 660	216 796	225 081	226 657	0.7%
Natural Gas	163 242	168 328	188 670	204 093	204 493	223 030	9.1%
Electricity	14 790	14 482	16 712	18 971	18 688	20 367p	9.0%
Exports							
Total	348 346	355 099	364 501	391 855	387 717	392 811p	1.3%
<i>among which:</i> Crude oil and feedstocks	97 208	100 989	111 886	117 803	105 249	108 367	3.0%
Petroleum products	190 911	194 322	188 380	199 858	196 681	199 022	1.2%
Natural gas	39 085	36 866	41 383	48 830	55 612	59 521	7.0%
Electricity	14 121	13 355	14 674	15 328	15 817	16 407p	3.7%
Gross inland consumption							
Total	1 405 769	1 435 456	1 438 090	1 455 277	1 484 317p	1 475 390p	-0.6%
<i>among which:</i> Solid fuels	223 568	223 208	206 967	214 792	217 630	217 693	0.0%
Crude oil and petrol. prod.	587 210	601 245	596 184	587 966	599 685	589 820	-1.6%
Natural gas	302 610	315 530	329 600	339 291	343 727	345 516	0.5%
Nuclear Energy	212 615	212 052	220 206	222 846	229 878	230 561	0.3%
Renewables	77 023	79 954	81 216	84 678	88 116	85 266p	-3.2%
Transformation input							
Total	1 215 194	1 241 949p	1 220 130	1 245 500	1 245 778p	1 253 183p	0.6%
<i>among which:</i> Crude oil and feedstocks	666 911	685 093	652 810	665 464	661 069	658 162	-0.4%
Petroleum products	40 506	40 606	39 580	36 358	34 867	35 152p	0.8%
Hard coal	142 464	147 237	138 183	144 146	140 922	140 987	0.0%
Lignite and peat	49 648	47 904	46 460	49 316	52 134	53 736	3.1%
Renewables	12 026	12 549	13 743	14 728	15 368	16 686	8.6%
Transformation output							
Total	917 163	936 835p	904 209p	909 730p	909 412p	907 941p	-0.2%
<i>among which:</i> Electricity	180 831	185 272	188 368	192 040	195 904	200 546	2.4%
Heat	23 322	23 618p	26 707p	16 634p	17 414p	17 112p	-1.7%

Final energy consumption

Total	926 089	942 185p	947 114p	950 199p	969 800p	957 446p	-1.3%
<i>among which:</i> Solid fuels	45 433	42 135	38 006	36 899	37 059	33 680	-9.1%
Petroleum products	428 673	437 617	438 252	435 599	446 470	440 372p	-1.4%
Natural Gas	209 165	214 995	217 800	225 579	227 854	224 358	-1.5%
Renewables	34 745	35 559	35 275	36 713	37 607	37 222	-1.0%
Electricity	177 205	181 695	185 491	191 711	196 216p	198 165p	1.0%

Final energy consumption by sector

Industry

Total	261 188	260 836p	261 460p	270 614p	271 362p	269 050p	-0.9%
<i>among which:</i> Solid fuels	36 844	35 240	32 412	32 156	32 206	29 315	-9.0%
Petroleum Products	45 391	43 248	41 601	41 164	45 560	44 178p	-3.0%
Natural Gas	77 843	80 547	83 116	89 203	85 800	86 570	0.9%
Renewables	13 121	13 538	13 520	14 393	14 061	14 359	2.1%
Electricity	74 455	76 122	77 930	81 867	81 768p	83 226p	1.8%


Transport

Total	288 419	300 018	307 366	310 499	311 539p	313 438p	0.6%
<i>among which:</i> Motor spirit	122 545	122 911	123 305	118 524	115 940	114 039p	-1.6%
Diesel oil	120 404	127 938	132 475	138 534	143 472	147 964p	3.1%
Jet fuel	35 867	39 373	42 008	43 898	42 393	41 625p	-1.8%
Electricity	4 913	4 960	4 974	5 128	5 162p	5 238p	1.5%


Services&households

Total	376 483	381 331p	378 289p	369 086p	386 899p	374 958p	-3.1%
<i>among which:</i> Solid fuels	8 582	6 893	5 593	4 735	4 827	4 343	-10.0%
Gas oil	83 245	82 475	77 075	73 464	78 796	72 537p	-7.9%
Natural Gas	131 024	134 156	134 386	136 045	141 643	137 377	-3.0%
Renewables	21 250	21 674	21 363	21 716	22 888	22 076	-3.5%
Electricity	97 837	100 612	102 587	104 715	109 286p	109 701p	0.4%
Heat	16 421	17 102p	18 536p	10 906p	11 711p	11 340p	-3.2%


3.1 Electricity balance

 eurostat	EU-15						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	2 426 456	2 492 578	2 532 971	2 600 984	2 668 346	2 678 292	0.4%
<i>among which:</i>							
Hydro	316 292	327 175	329 035	345 323	363 004	310 325	-14.5%
Wind	7 340	11 299	14 209	22 240	27 001	35 634	32.0%
Geothermal	3 956	4 272	4 483	4 785	4 612	4 758	3.2%
Nuclear	859 893	854 182	867 244	863 915	891 162	893 809	0.3%
Conventional thermal	1 238 975	1 295 650	1 318 000	1 364 721	1 382 567	1 433 766	3.7%
<i>of which:</i>							
Hard coal	468 166	480 711	450 188p	474 771p	475 810p	484 527p	1.8%
Lignite and peat	188 605	188 227	184 974	196 526p	207 084p	202 181p	-2.4%
Petroleum products	186 625	191 624	181 605	163 342p	155 995p	173 345p	11.1%
Natural gas	332 452	366 982	428 056	455 349p	457 356p	491 209p	7.4%
Derived gases	28 044	29 648	29 979	27 286p	27 709p	25 810p	-6.9%
Biomass	27 458	30 205	35 028	39 177	42 106	47 556p	12.9%
Industrial wastes	7 625	8 253	8 170p	8 270p	16 507p	9 138p	-44.6%
Total net generation	2 301 846	2 367 869	2 408 838	2 475 743	2 539 972	2 551 971	0.5%
Imports and exports							
Total imports	172 004	168 426	194 358	220 635	217 343	236 864p	9.0%
Total exports	164 222	155 314	170 663	178 259	183 949	190 811p	3.7%
Consumption and losses							
Consumption of the energy branch	211 327	216 605	218 284	219 477	220 358p	224 790p	2.0%
<i>of which:</i>							
Consumption for pumped-storage	6 511	8 059	8 687	12 378	11 055	12 945	17.1%
Network losses	142 079	156 341	157 739	170 266	173 648p	165 553p	-4.7%
Final energy consumption	2 060 897	2 113 108	2 157 258	2 229 599	2 281 988p	2 304 659p	1.0%
<i>of which:</i>							
Industry	865 912	885 301	906 326	952 117	950 960p	967 915p	1.8%
<i>among which:</i>							
Iron&steel industry	103 891	103 446	102 726	111 444	109 966p	107 609p	-2.1%
Non-ferrous metals	60 803	63 457	64 725	66 866	69 525p	69 260p	-0.4%
Chemical industry	170 220	173 053	173 260	177 011	172 618p	173 884p	0.7%
Non-met. mineral prod.	63 408	64 206	66 710	67 269	69 117p	69 732p	0.9%
Food, drink, tobacco	80 404	82 084	84 880	88 311	88 662p	91 048p	2.7%
Pulp, paper and print	113 474	116 364	118 921	124 515	124 915p	127 069p	1.7%
Engineering & metal	118 950	124 670	127 427	130 270	130 572p	132 432p	1.4%
Other industries	109 516	112 483	122 471	138 881	138 170p	149 784p	8.4%
Transport	57 141	57 690	57 850	59 643	60 030p	60 919p	1.5%
Services & households etc.	1 137 844	1 170 117	1 193 082	1 217 839	1 270 998p	1 275 825p	0.4%
<i>among which:</i>							
Households	606 741	620 673	631 797	636 126	665 989	663 583p	-0.4%


3.2 Electrical capacity, fuel inputs and heat


	EU-15							
	1997	1998	1999	2000	2001	2002	02/01	
Net electrical capacity								
Total installed capacity	MW	558 813	561 865	574 169	586 966	591 263	605 157	2.3%
<i>by source:</i>								
Conventional thermal		313 509	316 010	322 612	330 493	330 876	334 624	1.1%
<i>of which:</i>								
Steam		251 223	246 351	246 316	246 853	243 051	:	
Gas turbine		25 544	24 367	25 519	25 528	25 597	:	
Combined cycle		25 774	32 777	37 042	47 835	52 018	:	
Internal combustion		6 167	6 989	7 899	9 473	9 375	:	
Nuclear		124 180	123 130	124 700	123 831	123 847	125 072	1.0%
Hydro		115 979	115 962	117 359	118 828	118 783	121 783	2.5%
<i>among which:</i>								
Pumped storage		30 247	32 946	32 596	31 574	31 614	27 549	-12.9%
Wind		4 606	6 204	8 901	13 210	17 170	22 998	33.9%
Geothermal		539	559	597	604	587	680	15.8%
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		508 394	508 742	514 339	544 977	549 307	562 793	2.5%
Autoproducers		50 885	53 413	55 418	41 879	41 763	42 596	2.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	275 177	285 366p	288 964	298 172	300 552p	313 064p	4.2%
<i>among which:</i>								
Hard coal		104 263	109 246	103 154	108 740	108 905	110 904	1.8%
Lignite and peat		45 723	44 828	43 546	46 482	49 024	50 708	3.4%
Petroleum products		38 397	38 541	37 938	34 189	32 753	33 567p	2.5%
Natural gas		65 747	69 658	80 152	84 015	84 947	90 920	7.0%
Renewables		13 265	14 135	15 327	15 538	16 102	17 754	10.3%
Heating plants		5 439	5 582	8 195	8 434	8 261	7 470	-9.6%
<i>among which:</i>								
Hard coal		101	61	537	553	499	505	1.3%
Lignite and peat		218	179	169	157	188	196	4.8%
Petroleum products		1 150	1 182	820	1 395	1 513	961	-36.5%
Natural gas		1 768	2 037	4 063	3 851	3 402	3 238	-4.8%
Renewables		2 166	2 091	2 281	2 139	2 313	2 250	-2.7%
Heat production and consumption								
Total heat production	TJ	23 322	23 618p	26 707p	16 634p	17 414p	17 112p	-1.7%
<i>among which: in heating plants</i>								
		6 353	6 339p	9 006p	6 045p	5 988p	5 323p	-11.1%
Heat consumption		20 494	20 867p	23 886p	15 051p	16 308p	15 973p	-2.1%
<i>of which: in industry</i>								
		4 073	3 766p	5 350p	4 145p	4 597p	4 633p	0.8%
<i>in households and services</i>								
		16 421	17 102p	18 536p	10 906p	11 711p	11 340p	-3.2%
<i>among which: in households</i>								
		9 576	9 803p	9 880p	5 484p	6 052p	6 083p	0.5%

4.1 Crude oil and feedstocks


 eurostat	in 1 000 t	EU-15						
		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		155 056	158 867	165 016	157 370	146 377	149 269	2.0%
Total imports		558 737	581 945	550 562	571 197	569 948	559 697	-1.8%
Total exports		95 708	99 453	110 185	116 187	103 761	106 769	2.9%
Stock changes		1 100	-4 301	1 334	1 500	-2 668	393	114.7%
Refinery intake		662 105	680 832	649 082	661 953	658 088	656 400	-0.3%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		256 721	277 679	238 486	237 703	203 790	185 852	-8.8%
Near and Middle East		143 738	191 074	160 780	154 897	136 040	121 228	-10.9%
Africa		94 631	109 905	99 689	107 034	109 971	98 646	-10.3%
<i>by country of origin:</i>								
Algeria		16 924	17 601	16 700	20 932	19 095	17 878	-6.4%
Nigeria		27 911	22 336	19 711	22 407	25 723	18 440	-28.3%
Saudi Arabia		88 557	86 031	61 025	65 143	57 496	53 144	-7.6%
Kuwait		9 826	10 876	7 662	9 768	7 990	6 384	-20.1%
United Arab Emirates		305	624	-	147	354	-	
Norway		114 627	113 846	107 459	114 868	108 121	102 869	-4.9%
Refining capacity								
Capacity at the end of year	1 000 t/year	651 541	664 170	664 600	667 440	:	:	
<i>among which:</i>								
Cracking and others		231 800	266 290	270 250	278 230	:	:	
Reforming		84 700	90 010	89 180	89 550	:	:	

4.2 Petroleum products


 eurostat	EU-15						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	656 555	674 024	638 812	650 472	649 688	647 543	-0.3%
<i>among which:</i>							
Motor spirit	143 355	145 775	136 429	133 627	135 204	136 986	1.3%
Kerosene and jet fuel	44 071	44 964	45 156	43 482	40 839	39 647	-2.9%
Naphtha	40 907	40 548	38 189	41 286	40 308	36 509	-9.4%
Gas/diesel oil	225 809	232 628	221 493	229 794	232 140	231 685	-0.2%
Residual fuel oil	112 862	118 657	106 769	109 719	105 901	102 106	-3.6%
Total imports	195 610	201 007	206 050	218 302	226 367	228 437	0.9%
Total exports	190 260	193 782	187 698	199 428	196 290	198 627	1.2%
Bunkers	41 339	42 937	40 967	43 622	44 998	46 431	3.2%
Stock changes	-87	-4 206	8 571	-5 116	2 034	2 437	19.8%
Gross inland consumption	-35 439	-39 367	-13 131	-28 775	-12 324	-13 233	-7.4%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	39 249	40 588	39 186	40 576	37 414	34 570	-7.6%
United Kingdom	20 406	20 042	21 208	21 824	20 730	22 086	6.5%
Norway	6 739	8 046	6 885	6 408	4 612	6 871	49.0%
OPEC	20 382	22 029	22 656	27 911	23 914	25 335	5.9%
Imports by product							
<i>among which:</i>							
Motor spirit	24 362	26 778	26 194	30 167	27 691	25 354	-8.4%
Kerosene and jet fuel	9 747	12 040	13 869	16 028	19 327	17 282	-10.6%
Gas/diesel oil	63 530	67 169	69 005	67 194	77 746	79 019	1.6%
Residual fuel oil	40 545	40 076	38 330	43 934	41 668	47 419	13.8%
Exports by product							
<i>among which:</i>							
Motor spirit	42 765	44 830	44 508	45 846	43 909	46 314	5.5%
Kerosene and jet fuel	10 424	10 377	11 355	10 408	10 189	9 720	-4.6%
Gas/diesel oil	57 533	58 757	57 611	58 780	61 091	62 243	1.9%
Residual fuel oil	39 821	41 879	35 413	42 105	39 931	38 881	-2.6%
Consumption							
Inputs to electricity plants	40 051	40 182	39 381	35 493	34 059	34 940p	2.6%
Inputs to heating plants	1 179	1 214	838	1 442	1 568	989	-36.9%
Non-energy use	87 784	84 398	84 087	85 183	83 367	82 481p	-1.1%
Final energy consumption	420 844	429 442	430 092	427 458	438 810	432 981p	-1.3%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	11 971	11 879	11 318	11 467	12 636	12 418p	-1.7%
Residual fuel oil	20 018	18 692	17 578	15 606	15 886	15 395p	-3.1%

 eurostat	EU-15						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	4 070	3 902	3 391	3 395p	3 326	3 149p	-5.3%
Non-ferrous metals	1 568	1 351	1 378	1 586p	1 100	1 071p	-2.6%
Chemical industry	7 168	5 436	4 614	4 562p	8 285	7 072p	-14.6%
Non-met. mineral prod.	10 563	10 400	11 787	11 719p	12 086	11 781p	-2.5%
Food, drink, tobacco	4 927	4 800	4 526	4 263p	4 407	4 496p	2.0%
Pulp, paper and print	2 696	2 288	2 267	2 258p	2 184	2 262p	3.6%
Engineering & metal	3 506	3 451	3 318	3 138p	3 340	3 534p	5.8%
Other industries	10 579	10 925	9 883	9 699p	10 772	10 188p	-5.4%
Transport	274 509	285 908	293 072	295 900	296 875	298 657p	0.6%
<i>among which:</i>							
Motor spirit	116 607	116 955	117 330	112 781	110 322	108 513p	-1.6%
Jet fuel	34 923	38 336	40 902	42 742	41 277	40 529p	-1.8%
Diesel oil	119 174	126 631	131 122	137 119	142 007	146 453p	3.1%
Services & households etc.	98 820	98 330	93 358	88 425	93 957	87 650p	-6.7%
<i>among which:</i>							
Gas oil	82 395	81 633	76 288	72 714	77 991	71 796p	-7.9%
Residual fuel oil	3 867	3 899	4 112	2 993	2 933	2 868p	-2.2%
Stocks at end of period							
Crude oil and feedstocks	53 818	58 224	56 591	54 750	53 127	57 552	8.3%
Petroleum products	87 567	98 972	89 834	95 195	92 653	90 528	-2.3%


5. Natural gas

 eurostat	EU-15						
	in TJ (GCV)						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	8 476 491	8 445 139	8 639 152	8 865 823	8 884 080	8 703 158	-2.0%
Total imports	7 593 997	7 830 616	8 776 918	9 494 424	9 513 015	10 375 350	9.1%
Total exports	1 818 235	1 715 006	1 925 137	2 271 580	2 587 076	2 768 902	7.0%
Stock changes	-174 814	117 724	-157 937	-304 848	180 168	-236 216	-231.1%
Gross inland consumption	14 077 439	14 678 473	15 332 996	15 783 819	15 990 187	16 073 390	0.5%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	c	c	c	c	c	c	
Algeria	1 709 750	1 846 631	2 109 596	2 187 817	1 901 242	2 022 335	6.4%
Norway	c	c	c	c	c	c	
Consumption							
Inputs to electricity plants	3 058 559	3 240 507	3 728 681	3 908 395	3 951 728	4 229 616	7.0%
Inputs to heat plants	82 270	94 751	189 014	179 131	158 251	150 654	-4.8%
Consumption of energy branch	446 573	467 888	493 777	498 618	551 964	551 764	0.0%
Distribution losses	117 254	98 030	100 583	115 790	98 159	73 563	-25.1%
Non-energy use	508 591	511 059	501 068	511 878	469 159	439 748	-6.3%
Industry	3 621 277	3 747 031	3 866 540	4 149 714	3 991 433	4 027 245	0.9%
<i>among which:</i>							
Iron&steel industry	409 524	415 166	417 535	428 870	438 756	424 497	-3.2%
Non-ferrous metals	98 152	116 127	108 532	113 964	115 633	121 193	4.8%
Chemical industry	834 055	843 521	899 056	955 161	895 051	905 701	1.2%
Non-met. mineral prod.	560 242	581 539	616 427	661 459	658 837	622 017	-5.6%
Food, drink, tobacco	485 484	500 658	526 554	556 010	537 664	558 098	3.8%
Pulp, paper and print	380 626	392 949	401 192	397 563	385 969	393 362	1.9%
Engineering & metal	402 027	447 834	446 049	469 324	472 775	446 702	-5.5%
Other industries	270 075	264 826	268 028	277 592	302 809	372 681	23.1%
Transport	13 858	13 573	13 899	15 392	19 093	19 127	0.2%
Services & households etc.	6 095 220	6 240 945	6 251 618	6 328 816	6 589 223	6 390 774	-3.0%
<i>among which:</i>							
Households	4 312 834	4 432 570	4 515 741	4 558 320	4 754 995	4 338 008	-8.8%
Services	1 585 636	1 610 248	1 539 095	1 577 721	1 643 019	1 863 415	13.4%


6.1 Hard coal


 eurostat	EU-15							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	121 850	108 328	99 978	86 089	78 253	73 702	-5.8%	
Total imports	150 987	156 864	154 981	173 084	195 592	183 314	-6.3%	
Total exports	7 008	10 888	9 729	11 763	19 637	11 661	-40.6%	
Stock changes	-2 011	8 817	412	8 307	175	4 095	2240.0%	
Gross inland consumption	266 316	265 090	247 534	257 328	255 393	250 510	-1.9%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	35 368	28 127	20 023	19 607	19 727	13 825	-29.9%	
Poland	17 648	17 329	18 696	19 721	18 449	18 310	-0.8%	
CIS	3 149	2 318	6 483	9 939	17 128	17 684	3.2%	
Australia	18 495	21 483	24 692	28 364	29 122	27 447	-5.8%	
South Africa	33 779	35 364	35 191	40 161	48 668	50 433	3.6%	
Colombia	19 252	18 523	18 786	23 050	22 407	18 061	-19.4%	
Consumption								
Inputs to electricity plants	177 964	181 479	173 976	183 323	183 231	186 871	2.0%	
Inputs to heat plants	167	101	777	793	828	813	-1.8%	
Consumption of energy branch	238	231	423	213	243	208	-14.4%	
Industry								
<i>among which:</i>								
Iron&steel industry	11 075	9 911	10 226	10 403	10 698	10 096	-5.6%	
Non-ferrous metals	365	418	487	259	459	381	-17.0%	
Chemical industry	3 078	2 094p	1 422	611	1 552	1 763	13.6%	
Non-met. mineral prod.	7 101	6 001p	5 897	4 887	5 080	4 445	-12.5%	
Food, drink, tobacco	797	664	1 152	989	1 023	1 043	2.0%	
Pulp, paper and print	1 307	1 024p	905	810	866	746	-13.9%	
Engineering & metal	191	88	151	103	135	99	-26.7%	
Other industries	833	1 176p	298	959	752	173	-77.0%	
Services & households etc.	6 870	5 326	5 104	3 982	4 500	3 852	-14.4%	
Structural data								
Personnel employed underground (annual mean in 1000's)	80.9	75.1	70.1	63.3	56.4	49.5	-12.2%	
Number of active hard coal mines (end of year)	158	149	146	127	119	117	-1.7%	

6.2 Coal derivatives and peat

	EU-15						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	40 532	39 667	36 657	36 743	34 302	31 503	-8.2%
Patent Fuel	1 406	1 035	1 005	857	768	690	-10.2%
Lignite and peat	261 363	245 061	248 435	252 248	264 068	275 426	4.3%
Brown coal briquettes	7 305	5 942	5 639	5 653	5 557	5 394	-2.9%
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	329 425	320 772p	291 926	292 458	256 809	233 667	-9.0%
Blast-furnace gas	507 080	496 612	489 447	508 392	468 898	466 523	-0.5%
Gasworks gas	17 346	8 021	6 856	7 931	3 720	3 413	-8.3%
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	27 634	27 087	25 569	26 398	25 972	23 212	-10.6%
<i>among which:</i>							
Iron & steel industry	24 385	23 497	22 136	23 122	23 413	20 423	-12.8%
Services & households	1 078	1 009	882	838	781	637	-18.4%
Patent Fuel	1 412	1 176	987	886	771	713	-7.5%
<i>among which:</i>							
Services & households	1 374	1 144	969	861	734	689	-6.1%
Lignite and peat	4 608	5 120	3 713	3 250	3 342	3 157	-5.5%
<i>among which:</i>							
Industry	2 980	3 585	2 722	2 347	2 394	2 347	-2.0%
Services & households	1 628	1 535	991	903	948	810	-14.6%
Brown coal briquettes	6 297	4 900	4 489	4 407	4 088	3 976	-2.7%
<i>among which:</i>							
Industry	2 658	2 470	2 419	2 450	2 256	2 088	-7.4%
Services & households	3 639	2 430	2 070	1 957	1 832	1 888	3.1%
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	158 428	144 679p	122 322	121 740	111 543	97 036	-13.0%
Blast-furnace gas	236 094	205 927	192 441	201 088	195 100	186 030	-4.6%
Gasworks gas	12 561	10 823	7 161	8 297	4 241	3 784	-10.8%
Inputs to electricity plants	252 112	285 160p	301 352	306 994	276 829	283 015	2.2%
Inputs to heat plants	331	148	11 716	9 850	9 647	8 254	-14.4%
Consumption of energy branch	158 994	156 596p	128 342	133 915	113 484	108 776	-4.1%
Consumption in industry	397 281	351 328p	315 166	323 128	306 898	283 313	-7.7%


7. Renewable energy sources

		EU-15						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	76 611	79 523	80 753	84 095	87 442	84 480p	-3.4%
Hydro (excl. pumping)		25 465	26 267	26 195	27 627	28 987	24 159	-16.7%
Wind		631	1 040	1 221	1 912	2 321	3 064	32.0%
Solar		295	327	337	381	427	461p	8.0%
Geothermal		3 761	4 028	4 213	3 315	3 402	3 670p	7.9%
Biomass		46 460	47 861	48 788	50 861	52 304	53 125	1.6%
	<i>among which:</i>							
Wood, wood-waste		38 610	39 546	39 822	40 754	41 391	41 691p	0.7%
Municipal solid waste		5 909	6 270	6 724	7 288	7 517	7 580p	0.8%
Biogas		1 561	1 691	1 842	2 212	2 536	2 694p	6.2%
Gross inland consumption		77 023	79 954	81 216	84 678	88 116	85 266p	-3.2%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		3 405	3 676	3 865	2 949	3 046	3 318	8.9%
Biomass		12 026	12 549	13 743	14 728	15 368	16 686	8.6%
	<i>among which:</i>							
Wood, wood-waste		5 072	5 275	5 954	6 115	6 485	7 375p	13.7%
Municipal waste		5 776	5 975	6 339	6 756	6 897	7 023p	1.8%
Biogas		1 178	1 299	1 449	1 857	2 160	2 288p	5.9%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	35 393	36 232	35 953	37 451	38 381	38 007p	-1.0%
	<i>by sector:</i>							
Industry		13 122	13 538	13 521	14 393	14 061	14 360	2.1%
Services & households etc.		21 897	22 347	22 041	22 453	23 662	22 860p	-3.4%
Transport		374	347	391	604	658	787	19.5%
	<i>by source:</i>							
Biomass		34 745	35 559	35 275	36 713	37 607	37 222	-1.0%
	<i>among which:</i>							
Wood, wood-waste		33 950	34 702	34 330	35 216	35 577	35 099p	-1.3%
Municipal waste		38	128	152	530	620	557	-10.3%
Biogas		377	376	393	356	377	405p	7.4%
Geothermal		356	352	348	365	356	352p	-1.0%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		40	61	74	109	203	263p	29.6%
Hydro with installed capacity < 1 MW		9 107	8 785	8 485	8 179	8 527	8 572p	0.5%
Hydro with installed capacity > 1 & <10 MW		28 369	30 018	29 260	31 550	32 070	28 244p	-11.9%
Hydro with installed capacity > 10 MW		261 253	269 055	264 800	279 323	298 505	243 577p	-18.4%
Wood, Wood-waste		15 832	16 711	18 769	19 627	21 140	24 538p	16.1%
Municipal waste		9 147	11 349	11 592	13 401	13 696	14 461p	5.6%
Biogas		3 328	3 751	4 721	6 330	6 404	9 102p	42.1%

	EU-15						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	59	87	94	146p	268	332p	23.9%
Hydro with installed capacity < 1 MW	2 084	2 126	2 137	2 047	2 056	1 928p	-6.2%
Hydro with installed capacity > 1 & <10 MW	7 557	7 605	7 619	7 308	7 716	7 975p	3.4%
Hydro with installed capacity > 10 MW	79 983	79 243	79 042	77 804	77 886	86 773p	11.4%
Wood, Wood-waste	4 156	4 439	4 848	4 913p	4 661p	4 885p	4.8%
Municipal waste	1 760	1 888	2 094	2 339	2 434	2 515p	3.3%
Biogas	613	697	945	1 198	1 347	1 582p	17.4%
Liquid biofuels							
Production	<i>1000 t</i>						
	468	435	492	748	843	1 175	39.4%
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	7 913	9 036	9 185	9 996	11 387p	12 694p	11.5%


1. Energy economy

Key figures and energy indicators

		BELGIQUE/BELGIË					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	12 552	12 033	13 274	13 065	12 637	12 900
Net energy imports		47 156	50 062	46 914	48 651	48 710	45 336
Net oil imports		27 411	28 891	25 918	27 331	27 142	25 160
Net gas imports		11 280	12 432	13 478	13 278	13 134	13 653
Gross inland energy consumption		55 120	56 210	56 876	57 168	55 617	52 570
Final energy consumption		36 529	37 092	36 931	36 922	37 211	35 816
Industry		12 670	12 875	13 253	13 636	13 527	12 678
Transport		9 194	9 573	9 597	9 662	9 444	9 604
Services and households etc.		14 665	14 644	14 082	13 624	14 240	13 535
Gross electricity generation	GWh	78 892	83 241	84 521	83 894	79 697	82 060
Final electricity consumption		71 817	73 957	74 505	77 539	78 138	78 443
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	221 436	225 907	233 141	242 101	243 638	245 343
Population	1000 per.	10 181	10 203	10 226	10 251	10 287	10 333
Industry added value	Mio EUR	60 579	60 740	61 683	65 058	65 197	65 297
Total imports (current prices)	Mio EUR	147 732	158 546	165 260	179 244	181 148	183 246
among which:							
All energy commodities		9 608	7 556	8 844	17 075	17 204	16 570
Oil products		6 863	5 007	6 591	13 270	12 831	12 047
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	248.9	248.8	244.0	236.1	228.3	214.3
Final energy consumption / GDP(95)		165.0	164.2	158.4	152.5	152.7	146.0
Energy intensity of industry:							
Final consumption / gross value-added mp		209.1	212.0	214.9	209.6	207.5	194.2
Energy intensity of service sector:							
Final consumption / gross value-added mp		26.2	25.9	24.6	22.6	23.5	22.8
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	5 414	5 509	5 562	5 577	5 407	5 088
Final energy consumption / capita		3 588	3 635	3 612	3 602	3 617	3 466
Household consumption / capita		969	969	927	923	957	898
Electricity consumption / capita	kWh/cap.	7 944	8 147	8 202	8 439	8 469	8 526
Energy dependency							
Net energy imports / Gross consumption	in %	78.4	81.3	76.6	77.8	80.1	76.4
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	66.3	66.0	64.9	64.6	66.9	68.1
Efficiency of thermal power stations		42.5	44.4	45.8	46.4	50.5	51.1

2. Energy balance

Principal aggregates by product

 eurostat	BELGIQUE/BELGIE						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	12 552	12 033	13 274	13 065	12 637	12 900	2.1%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-	-
Natural Gas	0	-	0	2	-	-	-
Nuclear heat	11 958	11 394	12 644	12 422	11 956	12 217	2.2%
Hydro-electricity	26	33	29	39	38	31	-18.6%
Biomass	565	603	597	596	635	645	1.5%
Imports							
Total	69 428	72 598	70 672	73 672	72 281	70 421	-2.6%
<i>among which:</i> Hard coal	8 957	8 844	7 585	7 888	8 026	6 934	-13.6%
Crude oil and feedstocks	34 754	36 057	34 165	36 165	33 403	32 897	-1.5%
Petroleum products	13 079	13 771	13 836	14 378	15 466	15 063	-2.6%
Natural Gas	11 280	12 432	13 478	13 278	13 134	13 653	4.0%
Electricity	858	673	779	1 001	1 360	1 432	5.3%
Exports							
Total	22 272	22 536	23 758	25 021	23 570	25 085	6.4%
<i>among which:</i> Crude oil and feedstocks	2 891	2 590	3 120	3 507	2 295	2 781	21.2%
Petroleum products	17 531	18 347	18 963	19 706	19 432	20 020	3.0%
Natural gas	-	-	-	-	-	-	-
Electricity	577	553	706	629	577	780	35.1%
Gross inland consumption							
Total	55 120	56 210	56 876	57 168	55 617	52 570	-5.5%
<i>among which:</i> Solid fuels	8 362	8 439	7 421	8 200	7 077	6 653	-6.0%
Crude oil and petrol. prod.	22 465	22 946	22 532	21 949	21 692	18 662	-14.0%
Natural gas	11 265	12 474	13 335	13 369	13 180	13 378	1.5%
Nuclear Energy	11 958	11 394	12 644	12 422	11 956	12 217	2.2%
Renewables	684	718	738	746	782	819	4.7%
Transformation input							
Total	58 391	59 903	58 619	60 614	60 237	65 093	8.1%
<i>among which:</i> Crude oil and feedstocks	35 752	37 174	35 019	37 085	38 224	42 808	12.0%
Petroleum products	255	394	444	172	248	-	-
Hard coal	6 138	5 845	4 946	5 699	5 010	4 870	-2.8%
Lignite and peat	-	-	-	-	-	-	-
Renewables	356	338	346	367	353	421	19.4%
Transformation output							
Total	46 181	47 689	45 823	47 999p	48 645p	53 254	9.5%
<i>among which:</i> Electricity	6 673	7 028	7 138	7 066	6 708	6 923	3.2%
Heat	294	290	420	532p	525p	514	-2.0%

Final energy consumption

Total	36 529	37 092	36 931	36 922	37 211	35 816	-3.7%
<i>among which:</i> Solid fuels	3 706	3 266	3 271	3 378	3 301	2 449	-25.8%
Petroleum products	17 360	17 595	16 956	16 038	16 249	15 510	-4.5%
Natural Gas	8 238	8 650	8 947	9 446	9 509	9 693	1.9%
Renewables	298	343	360	333	383	359	-6.3%
Electricity	6 175	6 359	6 406	6 667	6 719	6 745	0.4%

Final energy consumption by sector
Industry

Total	12 670	12 875	13 253	13 636	13 527	12 678	-6.3%
<i>among which:</i> Solid fuels	3 376	3 038	3 071	3 164	3 096	2 224	-28.2%
Petroleum Products	1 732	1 855	1 627	1 265	1 646	1 280	-22.3%
Natural Gas	3 580	3 756	4 181	4 608	4 239	4 623	9.0%
Renewables	131	176	200	180	191	207	8.6%
Electricity	3 132	3 215	3 236	3 428	3 373	3 348	-0.7%


Transport

Total	9 194	9 573	9 597	9 662	9 444	9 604	1.7%
<i>among which:</i> Motor spirit	2 666	2 642	2 518	2 362	2 300	2 196	-4.5%
Diesel oil	4 744	4 902	5 123	5 494	5 690	5 839	2.6%
Jet fuel	1 340	1 589	1 552	1 521	1 151	1 248	8.4%
Electricity	108	117	120	124	126	125	-0.8%


Services&households

Total	14 665	14 644	14 082	13 624	14 240	13 535	-5.0%
<i>among which:</i> Solid fuels	330	228	199	215	205	225	9.6%
Gas oil	5 627	5 553	5 150	4 791	4 802	4 304	-10.4%
Natural Gas	4 658	4 894	4 766	4 838	5 270	5 070	-3.8%
Renewables	167	168	160	153	192	152	-21.1%
Electricity	2 936	3 026	3 050	3 115	3 220	3 272	1.6%
Heat	30	42	50	64	63	62	-2.3%


3.1 Electricity balance

 eurostat	BELGIQUE/BELGIE							
	in GWh		1997	1998	1999	2000	2001	2002
Generation								
Total gross generation		78 892	83 241	84 521	83 894	79 697	82 060	3.0%
<i>among which:</i>								
Hydro		1 277	1 497	1 489	1 699	1 648	1 488	-9.7%
Wind		8	11	13	15	34	57	67.6%
Geothermal		-	-	-	-	-	-	-
Nuclear		47 408	46 165	49 017	48 157	46 349	47 360	2.2%
Conventional thermal		30 199	35 568	34 002	34 023	31 666	33 155	4.7%
<i>of which:</i>								
Hard coal		13 748	14 187	9 939	12 916	9 936	10 029	0.9%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		1 422	2 580	1 035	797	1 664	972	-41.6%
Natural gas		11 537	15 036	19 231	15 977	15 780	17 868	13.2%
Derived gases		2 534	2 703	2 589	3 114	2 828	2 631	-7.0%
Biomass		549	529	828	860	945	1 655	75.1%
Industrial wastes		409	533	380	359	513	-	-
Total net generation		75 079	79 492	80 851	80 160	76 085	78 143	2.7%
Imports and exports								
Total imports		9 975	7 828	9 059	11 645	15 818	16 658	5.3%
Total exports		6 705	6 435	8 207	7 319	6 712	9 070	35.1%
Consumption and losses								
Consumption of the energy branch		5 626	5 674	5 587	5 758	5 702	6 307	10.6%
<i>of which:</i>								
Consumption for pumped-storage		309	355	372	397	417	395	-5.3%
Network losses		3 747	3 895	4 133	3 683	3 755	3 768	0.3%
Final energy consumption		71 817	73 957	74 505	77 539	78 138	78 443	0.4%
<i>of which:</i>								
Industry		36 421	37 395	37 633	39 868	39 224	38 933	-0.7%
<i>among which:</i>								
Iron&steel industry		6 303	6 445	6 198	6 876	6 663	6 833	2.6%
Non-ferrous metals		1 887	1 869	1 907	2 045	1 980	1 997	0.9%
Chemical industry		12 323	12 757	12 790	13 480	13 189	13 177	-0.1%
Non-met. mineral prod.		2 477	2 443	2 470	2 518	2 497	2 515	0.7%
Food, drink, tobacco		3 652	3 641	3 767	3 953	4 041	3 907	-3.3%
Pulp, paper and print		2 380	2 371	2 475	2 525	2 465	2 497	1.3%
Engineering & metal		2 904	3 024	3 018	3 231	3 126	2 984	-4.5%
Other industries		2 248	2 555	2 724	2 853	2 887	2 751	-4.7%
Transport		1 252	1 366	1 401	1 440	1 463	1 452	-0.8%
Services & households etc.		34 144	35 196	35 471	36 231	37 451	38 058	1.6%
<i>among which:</i>								
Households		22 933	23 388	23 482	23 738	24 396	25 921	6.3%


3.2 Electrical capacity, fuel inputs and heat


		BELGIQUE/BELGIE						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	14 693	15 395	15 575	15 682	15 538	15 546	0.1%
<i>by source:</i>								
Conventional thermal		7 572	8 272	8 442	8 545	8 353	8 341	-0.1%
<i>of which:</i>								
Steam		5 904	5 363	4 719	4 272	4 082	4 084	0.0%
Gas turbine		212	776	1 010	1 281	1 300	1 226	-5.7%
Combined cycle		1 196	2 093	2 513	2 792	2 771	2 676	-3.4%
Internal combustion		-	20	200	200	200	356	78.0%
Nuclear		5 713	5 713	5 713	5 713	5 738	5 761	0.4%
Hydro		1 403	1 404	1 410	1 410	1 421	1 413	-0.6%
<i>among which:</i>								
Pumped storage		1 307	1 307	1 307	1 310	1 310	1 164	-11.1%
Wind		5	6	10	14	26	31	19.2%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		14 066	14 773	14 924	15 230	15 112	15 137	0.2%
Autoproducers		627	622	645	442	416	409	-1.7%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	6 799	7 539	7 293	7 453	6 430	6 585	2.4%
<i>among which:</i>								
Hard coal		3 120	3 040	2 247	3 025	2 267	2 263	-0.2%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		255	389	444	172	248	-	-
Natural gas		2 327	3 024	3 528	3 144	2 884	3 164	9.7%
Renewables		348	330	338	356	337	421	25.1%
Heating plants		9	80	39	41	37	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	5	-	-	-	-	-
Natural gas		-	66	31	30	21	-	-
Renewables		9	8	8	11	16	-	-
Heat production and consumption								
Total heat production	TJ	294	290	420	532p	525p	514	-2.0%
<i>among which: in heating plants</i>								
		-	-	-	-	-	-	-
Heat consumption		270	323	387	490	483	474	-2.1%
<i>of which: in industry</i>								
		241	281	336	426	420	412	-2.0%
<i>in households and services</i>								
		30	42	50	64	63	62	-2.3%
<i>among which: in households</i>								
		15	11	13	16	16	15	-2.3%

4.1 Crude oil and feedstocks


 eurostat		BELGIQUE/BELGIE						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		35 913	37 131	35 276	37 441	35 495	36 637	3.2%
Total exports		2 848	2 551	3 074	3 455	2 261	2 740	21.2%
Stock changes		-56	-87	-37	52	129	32	-75.2%
Refinery intake		36 893	38 232	36 119	38 344	40 254	46 412	15.3%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		14 580	16 871	11 081	12 500	11 597	11 262	-2.9%
Near and Middle East		12 749	15 486	9 177	11 135	9 944	9 752	-1.9%
Africa		179	655	465	930	555	962	73.3%
<i>by country of origin:</i>								
Algeria		77	146	224	177	142	631	344.4%
Nigeria		81	-	136	289	238	187	-21.4%
Saudi Arabia		10 568	10 333	5 677	6 794	5 821	6 337	8.9%
Kuwait		224	691	63	-	87	2	-97.7%
United Arab Emirates		-	-	-	-	50	-	
Norway		9 992	8 762	9 347	8 936	8 135	6 784	-16.6%
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	34 750	37 550	37 550	37 880	:	:	
<i>among which:</i>								
Cracking and others		10 900	11 330	11 330	11 050	:	:	
Reforming		4 500	4 980	4 980	5 070	:	:	

4.2 Petroleum products


 eurostat	BELGIQUE/BELGIE						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	36 644	37 944	35 773	38 092	39 883	46 005	15.3%
<i>among which:</i>							
Motor spirit	6 103	6 431	6 032	5 311	5 493	5 775	5.1%
Kerosene and jet fuel	1 756	2 195	2 128	2 317	2 026	2 145	5.9%
Naphtha	1 407	1 524	1 608	2 026	2 135	2 051	-3.9%
Gas/diesel oil	12 520	12 447	11 749	12 501	12 777	12 464	-2.4%
Residual fuel oil	7 444	8 042	6 895	7 990	7 015	7 603	8.4%
Total imports	13 060	13 760	13 811	14 445	15 468	15 160	-2.0%
Total exports	17 481	18 273	18 852	19 655	19 367	19 969	3.1%
Bunkers	5 257	5 613	4 535	5 545	5 429	7 080	30.4%
Stock changes	181	-460	1 001	-101	-327	268	182.0%
Gross inland consumption	-9 497	-10 576	-8 564	-10 856	-9 655	-11 614	-20.3%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	8 540	9 304	9 428	9 062	8 256	9 502	15.1%
United Kingdom	1 211	926	1 078	1 357	1 509	1 327	-12.1%
Norway	993	829	487	505	235	116	-50.6%
OPEC	125	275	80	157	96	555	478.1%
Imports by product							
<i>among which:</i>							
Motor spirit	1 395	1 434	1 574	1 536	1 472	1 218	-17.3%
Kerosene and jet fuel	687	488	643	496	535	721	34.8%
Gas/diesel oil	4 876	5 908	6 313	6 259	7 281	6 314	-13.3%
Residual fuel oil	2 799	2 833	2 227	2 347	2 886	3 678	27.4%
Exports by product							
<i>among which:</i>							
Motor spirit	4 959	5 339	5 257	4 604	4 801	4 935	2.8%
Kerosene and jet fuel	911	902	1 133	1 194	1 348	1 551	15.1%
Gas/diesel oil	5 858	6 117	7 355	7 422	7 589	7 643	0.7%
Residual fuel oil	3 382	3 480	2 763	3 887	3 413	3 515	3.0%
Consumption							
Inputs to electricity plants	267	406	463	180	260	-	
Inputs to heating plants	-	5	-	-	-	-	-
Non-energy use	4 199	4 228	4 365	5 210	5 442	5 159	-5.2%
Final energy consumption	17 170	17 384	16 770	15 910	16 072	15 330	-4.6%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	676	615	514	308	745	592	-20.5%
Residual fuel oil	738	918	851	507	658	334	-49.2%

 eurostat	BELGIQUE/BELGIE							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry	41	63	43	252	36	50	38.9%	
Non-ferrous metals	47	26	24	206	23	49	113.0%	
Chemical industry	334	341	228	31	1	14	1300.0%	
Non-met. mineral prod.	318	289	249	147	414	319	-22.9%	
Food, drink, tobacco	243	182	159	162	168	163	-3.0%	
Pulp, paper and print	38	40	42	47	50	60	20.0%	
Engineering & metal	48	53	37	15	34	15	-55.9%	
Other industries	717	904	905	528	994	651	-34.5%	
Transport	8 878	9 237	9 260	9 322	9 111	9 275	1.8%	
<i>among which:</i>								
Motor spirit	2 537	2 514	2 396	2 248	2 189	2 090	-4.5%	
Jet fuel	1 305	1 547	1 511	1 481	1 121	1 215	8.4%	
Diesel oil	4 696	4 852	5 071	5 438	5 632	5 779	2.6%	
Services & households etc.	6 479	6 223	5 800	5 176	5 225	4 703	-10.0%	
<i>among which:</i>								
Gas oil	5 570	5 496	5 097	4 742	4 753	4 260	-10.4%	
Residual fuel oil	489	374	387	162	190	180	-5.3%	
Stocks at end of period								
Crude oil and feedstocks	857	944	981	929	800	768	-4.0%	
Petroleum products	3 170	3 630	2 629	2 730	3 092	2 824	-8.7%	


5. Natural gas

 eurostat	BELGIQUE/BELGIE							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		6	-	17	96	-	-	-
Total imports		524 752	578 325	627 007	617 685	610 993	635 134	4.0%
Total exports		-	-	-	-	-	-	-
Stock changes		-724	1 978	-6 685	4 124	2 130	-12 791	-700.5%
Gross inland consumption		524 034	580 303	620 339	621 905	613 123	622 343	1.5%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		-	-	-	-	-	-	-
Algeria		184 396	170 176	166 400	173 459	89 431	132 041	47.6%
Norway		161 056	203 489	212 318	199 298	202 635	207 287	2.3%
Consumption								
Inputs to electricity plants		108 260	140 696	164 107	146 236	134 167	147 188	9.7%
Inputs to heat plants		-	3 084	1 431	1 382	956	-	-
Consumption of energy branch		2 978	3 208	2 075	1 875	2 510	2 260	-10.0%
Distribution losses		-	-	-	-	-	-	-
Non-energy use		33 700	32 258	35 431	33 512	34 476	32 061	-7.0%
Industry		166 535	174 742	194 500	214 368	197 205	215 039	9.0%
<i>among which:</i>								
Iron&steel industry		28 392	32 021	30 096	38 095	32 806	34 184	4.2%
Non-ferrous metals		4 806	4 470	4 766	4 989	4 479	4 521	0.9%
Chemical industry		53 194	56 800	72 998	80 225	71 615	78 861	10.1%
Non-met. mineral prod.		19 400	18 978	19 551	20 386	19 601	18 021	-8.1%
Food, drink, tobacco		9 133	7 784	8 707	8 554	7 069	8 580	21.4%
Pulp, paper and print		4 177	4 069	4 706	4 974	4 115	5 035	22.4%
Engineering & metal		7 241	6 584	7 241	7 787	6 465	6 720	3.9%
Other industries		37 261	40 958	43 518	46 377	48 319	56 537	17.0%
Transport		-	-	-	-	-	-	-
Services & households etc.		216 706	227 673	221 728	225 060	245 146	235 870	-3.8%
<i>among which:</i>								
Households		148 670	157 086	152 293	153 172	168 496	160 795	-4.6%
Services		68 036	70 587	69 435	71 888	76 650	75 075	-2.1%


6.1 Hard coal


 eurostat	BELGIQUE/BELGIE						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	12 796	12 634	10 836	11 347	12 681	9 905	-21.9%
Total exports	1 454	1 294	1 156	1 425	1 886	2 006	6.4%
Stock changes	-87	-251	-23	749	-872	970	211.2%
Gross inland consumption	11 682	11 401	10 021	11 046	10 141	9 042	-10.8%
Imports							
Imports by origin							
<i>among which:</i>							
USA	3 591	2 594	2 007	2 207	2 410	1 840	-23.7%
Poland	-	477	444	299	661	540	-18.3%
CIS	323	457	484	724	830	969	16.7%
Australia	2 676	3 616	3 535	3 463	3 824	2 577	-32.6%
South Africa	3 925	4 208	3 075	3 087	3 560	2 798	-21.4%
Colombia	246	394	94	431	215	314	46.0%
Consumption							
Inputs to electricity plants	5 145	5 087	3 759	4 374	3 781	3 772	-0.2%
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Industry							
<i>among which:</i>							
Iron&steel industry	1 883	1 518	1 525	1 458	1 535	824	-46.3%
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	36	5	32	-	-	1	-
Non-met. mineral prod.	323	322	309	359	225	223	-0.9%
Food, drink, tobacco	46	11	12	38	44	46	4.5%
Pulp, paper and print	51	14	11	44	49	43	-12.2%
Engineering & metal	3	-	-	-	8	19	137.5%
Other industries	22	22	32	55	31	-	-
Services & households etc.	446	307	270	297	324	304	-6.2%
Structural data							
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		BELGIQUE/BELGIE						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels <i>in 1 000 t</i>								
Coke	3 401	3 003	3 137	3 104	3 221	2 966	-7.9%	
Patent Fuel	12	10	7	5	11	11	0.0%	
Lignite and peat	-	-	-	-	-	-	-	
Brown coal briquettes	-	-	-	-	-	-	-	
Derived gases <i>in TJ (GCV)</i>								
Coke-oven gas	24 311	23 828	23 873	23 348	22 769	22 266	-2.2%	
Blast-furnace gas	35 843	38 156	38 681	39 304	35 494	36 670	3.3%	
Gasworks gas	-	-	-	-	-	-	-	
Consumption								
Solid fuels <i>in 1 000 t</i>								
Coke	2 465	2 458	2 414	2 575	2 764	1 964	-28.9%	
<i>among which:</i>								
Iron & steel industry	2 368	2 370	2 345	2 489	2 682	1 909	-28.8%	
Services & households	5	3	3	3	2	7	250.0%	
Patent Fuel	12	10	8	7	10	9	-10.0%	
<i>among which:</i>								
Services & households	12	10	8	7	10	7	-30.0%	
Lignite and peat	219	195	159	218	204	189	-7.4%	
<i>among which:</i>								
Industry	219	195	159	218	204	189	-7.4%	
Services & households	-	-	-	-	-	-	-	
Brown coal briquettes	12	8	6	4	5	5	0.0%	
<i>among which:</i>								
Industry	-	-	-	-	-	-	-	
Services & households	12	8	6	4	5	5	0.0%	
Total derived gases <i>in TJ (GCV)</i>								
Coke-oven gas	7 240	8 540	8 543	8 634	8 922	9 264	3.8%	
Blast-furnace gas	13 544	15 482	17 504	15 856	15 466	16 127	4.3%	
Gasworks gas	-	-	-	-	-	-	-	
Inputs to electricity plants	27 489	27 126	25 807	27 480	23 153	23 228	0.3%	
Inputs to heat plants	-	-	-	-	-	-	-	
Consumption of energy branch	11 836	10 836	10 700	10 682	10 722	10 317	-3.8%	
Consumption in industry	20 784	24 022	26 047	24 490	24 388	25 391	4.1%	

7. Renewable energy sources

		BELGIQUE/BELGIE						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	594	639	630	641	681	683	0.3%
Hydro (excl. pumping)		26	33	29	39	38	31	-18.6%
Wind		1	1	1	1	3	5	67.6%
Solar		1	1	1	1	1	2	26.1%
Geothermal		1	1	1	4	4	1	-73.3%
Biomass		565	603	597	596	635	645	1.5%
	<i>among which:</i>							
Wood, wood-waste		211	267	266	244	274	254	-7.3%
Municipal solid waste		341	314	304	323	317	346	9.1%
Biogas		13	22	27	29	44	45	1.8%
Gross inland consumption		684	718	738	746	782	819	4.7%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		356	338	346	367	353	421	19.4%
	<i>among which:</i>							
Wood, wood-waste		10	10	20	18	20	40	104.5%
Municipal waste		341	314	304	323	299	346	15.6%
Biogas		5	14	22	26	34	36	3.7%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	301	345	362	338	389	362	-6.9%
	<i>by sector:</i>							
Industry		131	176	200	180	191	207	8.6%
Services & households etc.		170	170	162	157	198	154	-22.0%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		298	343	360	333	383	359	-6.3%
	<i>among which:</i>							
Wood, wood-waste		291	336	355	330	355	349	-1.6%
Municipal waste		-	-	-	-	18	-	
Biogas		7	7	5	3	10	10	-4.8%
Geothermal		1	1	1	4	4	1	-73.3%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		12	15	14	19	18	17	-5.6%
Hydro with installed capacity > 1 & <10 MW		164	199	183	236	228	181	-20.6%
Hydro with installed capacity > 10 MW		129	175	145	204	199	162	-18.6%
Wood, Wood-waste		60	95	199	153	173	271	56.6%
Municipal waste		458	516	554	689	756	761	0.7%
Biogas		32	58	75	98	127	134	5.5%

		BELGIQUE/BELGIE						02/01
		1997	1998	1999	2000	2001	2002	
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		-	-	-	-	-	1	
Hydro with installed capacity < 1 MW		5	5	6	6	6	7 16.7%	
Hydro with installed capacity > 1 & <10 MW		54	54	54	54	54	53 -1.9%	
Hydro with installed capacity > 10 MW		42	43	43	43	51	51 0.0%	
Wood, Wood-waste		131	155	38	47	62	57 -8.1%	
Municipal waste		-	-	72	97	101	134 32.7%	
Biogas		-	-	9	39	28	29 3.6%	
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	-	-	-	
Solar Panels								
Solar panel surface	<i>1000 m²</i>	36	36	36	41	44	50 13.6%	

1. Energy economy

Key figures and energy indicators

		CESKA REPUBLIKA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	32 308	30 421	27 619	29 452	30 090	29 966
Net energy imports		10 339	10 434	9 516	9 297	10 568	10 895
Net oil imports		7 803	8 163	7 731	7 428	8 079	7 770
Net gas imports		7 611	7 613	7 442	7 482	7 736	7 917
Gross inland energy consumption		42 048	40 624	37 750	40 103	40 977	40 933
Final energy consumption		25 550	24 310	23 140	24 081	24 075	23 771
Industry		12 538	11 404	9 644	10 585	9 496	9 654
Transport		3 707	3 818	4 070	4 100	4 987	5 144
Services and households etc.		9 305	9 088	9 426	9 395	9 592	8 974
Gross electricity generation	GWh	64 598	65 112	64 693	73 466	74 647	76 346
Final electricity consumption		49 594	48 837	48 089	49 351	50 856	50 789
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	41 196	40 766	40 957	42 290	43 597	44 450
Population	1000 per.	10 304	10 294	10 284	10 272	10 237	10 205
Industry added value	Mio EUR	16 762	15 045	14 738	15 811	15 685	15 493
Total imports (current prices)	Mio EUR	28 477	30 348	31 994	37 241	42 503	44 325
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	1 020.7	996.5	921.7	948.3	939.9	920.9
Final energy consumption / GDP(95)		620.2	596.3	565.0	569.4	552.2	534.8
Energy intensity of industry:							
Final consumption / gross value-added mp		748.0	758.0	654.4	669.5	605.4	623.1
Energy intensity of service sector:							
Final consumption / gross value-added mp		129.8	138.4	171.0	170.1	156.7	141.0
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	4 081	3 946	3 671	3 904	4 003	4 011
Final energy consumption / capita		2 480	2 362	2 250	2 344	2 352	2 329
Household consumption / capita		593	545	516	512	559	524
Electricity consumption / capita	kWh/cap.	5 952	5 903	5 757	5 952	6 119	6 087
Energy dependency							
Net energy imports / Gross consumption	in %	24.6	25.7	25.2	23.2	25.8	26.6
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	60.8	59.8	61.3	60.0	58.8	58.1
Efficiency of thermal power stations		50.7	53.9	46.8	46.7	47.2	47.4

2. Energy balance

Principal aggregates by product

in 1 000 toe	CESKA REPUBLIKA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	32 308	30 421	27 619	29 452	30 090	29 966	-0.4%
among which:							
Hard coal	27 954	25 903	22 978	24 908	25 190	24 100	-4.3%
Lignite and peat	159	139	106	94	106	106	0.3%
Crude oil	158	175	179	179	180	257	42.8%
Natural Gas	163	169	177	169	122	115	-5.9%
Nuclear heat	3 223	3 400	3 446	3 506	3 805	4 536	19.2%
Hydro-electricity	146	120	144	151	177	214	21.3%
Biomass	505	515	589	445	512	639	24.8%
Imports							
Total	18 893	18 948	18 068	17 766	19 015	19 025	0.1%
among which:							
Hard coal	1 339	917	631	628	766	785	2.5%
Crude oil and feedstocks	6 830	6 826	5 923	5 601	5 936	5 999	1.1%
Petroleum products	2 096	2 706	3 092	2 894	3 424	3 160	-7.7%
Natural Gas	7 612	7 614	7 443	7 483	7 736	7 918	2.4%
Electricity	775	721	772	750	807	817	1.3%
Exports							
Total	8 554	8 514	8 552	8 468	8 447	8 130	-3.8%
among which:							
Crude oil and feedstocks	88	101	106	109	117	136	16.0%
Petroleum products	1 035	1 268	1 178	958	1 164	1 252	7.6%
Natural gas	1	1	1	1	-	1	-
Electricity	877	932	1 054	1 612	1 627	1 796	10.4%
Gross inland consumption							
Total	42 048	40 624	37 750	40 103	40 977	40 933	-0.1%
among which:							
Solid fuels	23 080	21 149	18 030	21 645	21 042	20 465	-2.7%
Crude oil and petrol. prod.	7 493	7 929	7 945	7 585	8 097	8 163	0.8%
Natural gas	7 669	7 686	7 728	7 500	8 032	7 762	-3.4%
Nuclear Energy	3 223	3 400	3 446	3 506	3 805	4 536	19.2%
Renewables	651	635	732	597	689	853	23.9%
Transformation input							
Total	31 922	29 709	29 477	30 723	31 547	31 340	-0.7%
among which:							
Crude oil and feedstocks	7 265	7 024	6 177	6 047	6 257	6 234	-0.4%
Petroleum products	429	354	333	300	313	35	-88.7%
Hard coal	18 151	16 146	16 586	17 888	18 255	17 759	-2.7%
Lignite and peat	133	136	102	100	112	104	-7.4%
Renewables	194	207	340	288	287	284	-1.1%
Transformation output							
Total	21 706	20 678	18 659	19 324	19 888	19 876	-0.1%
among which:							
Electricity	5 376	5 437	5 372	6 118	6 206	6 320	1.8%
Heat	4 308	3 775	3 494	3 322	3 561	3 399	-4.6%

		CESKA REPUBLIKA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>								
Final energy consumption								
Total		25 550	24 310	23 140	24 081	24 075	23 771	-1.3%
<i>among which:</i>	Solid fuels	5 652	4 427	3 833	5 238	4 228	3 814	-9.8%
	Petroleum products	5 087	5 550	5 381	5 345	5 365	5 719	6.6%
	Natural Gas	6 072	6 182	6 099	5 914	6 497	6 165	-5.1%
	Renewables	310	310	247	178	225	354	57.6%
	Electricity	4 264	4 199	4 135	4 243	4 373	4 367	-0.1%
Final energy consumption by sector								
Industry								
Total		12 538	11 404	9 644	10 585	9 496	9 654	1.7%
<i>among which:</i>	Solid fuels	3 668	2 997	2 602	3 831	3 229	2 953	-8.6%
	Petroleum Products	1 103	1 426	1 142	1 077	406	578	42.4%
	Natural Gas	3 043	2 848	2 630	2 602	2 587	2 581	-0.2%
	Renewables	310	310	245	128	178	301	69.7%
	Electricity	1 595	1 620	1 616	1 629	1 714	1 768	3.1%
Transport								
Total		3 707	3 818	4 070	4 100	4 987	5 144	3.1%
<i>among which:</i>	Motor spirit	1 937	1 911	2 025	1 956	2 001	2 027	1.3%
	Diesel oil	1 328	1 457	1 606	1 676	2 511	2 638	5.1%
	Jet fuel	162	192	181	197	211	200	-4.9%
	Electricity	193	195	185	198	180	182	1.3%
Services&households								
Total		9 305	9 088	9 426	9 395	9 592	8 974	-6.4%
<i>among which:</i>	Solid fuels	1 984	1 430	1 231	1 407	998	861	-13.8%
	Gas oil	311	313	228	196	3	6	100%
	Natural Gas	3 029	3 332	3 466	3 308	3 905	3 577	-8.4%
	Renewables	-	-	2	49	46	52	12.5%
	Electricity	2 477	2 384	2 334	2 416	2 479	2 417	-2.5%
	Heat	1 346	1 439	2 036	1 843	2 005	1 879	-6.3%

3.1 Electricity balance

	CESKA REPUBLIKA							
	<i>in GWh</i>	1997	1998	1999	2000	2001	2002	02/01
Generation								
Total gross generation		64 598	65 112	64 693	73 466	74 647	76 346	2.3%
<i>among which:</i>								
Hydro		2 080	1 884	2 215	2 313	2 467	2 845	15.3%
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Nuclear		12 494	13 178	13 357	13 590	14 749	18 738	27.0%
Conventional thermal		50 024	50 050	49 121	57 563	57 431	54 763	-4.6%
<i>of which:</i>								
Hard coal		46 108	45 601	43 891	52 241	52 114	49 705	-4.6%
Lignite and peat		-	-	320	300	310	300	-3.2%
Petroleum products		630	616	427	372	386	384	-0.5%
Natural gas		2 156	2 544	3 008	3 165	3 143	2 931	-6.7%
Derived gases		602	691	640	762	765	754	-1.4%
Biomass		494	587	683	522	518	498	-3.9%
Industrial wastes		34	11	152	201	195	191	-2.1%
Total net generation		59 956	60 264	59 798	67 741	68 780	70 391	2.3%
Imports and exports								
Total imports		9 013	8 383	8 983	8 725	9 380	9 502	1.3%
Total exports		10 201	10 844	12 258	18 742	18 919	20 889	10.4%
Consumption and losses								
Consumption of the energy branch		8 347	8 373	8 167	8 860	8 929	8 961	0.4%
<i>of which:</i>								
Consumption for pumped-storage		136	166	183	194	143	126	-11.9%
Network losses		5 088	4 953	4 627	4 683	4 910	4 858	-1.1%
Final energy consumption		49 594	48 837	48 089	49 351	50 856	50 789	-0.1%
<i>of which:</i>								
Industry		18 547	18 837	18 799	18 944	19 939	20 558	3.1%
<i>among which:</i>								
Iron&steel industry		3 003	2 872	2 908	3 001	2 906	3 751	29.1%
Non-ferrous metals		136	180	268	279	280	104	-62.9%
Chemical industry		3 044	3 257	3 276	3 196	3 430	3 211	-6.4%
Non-met. mineral prod.		2 058	2 074	2 152	2 037	2 279	2 162	-5.1%
Food, drink, tobacco		1 325	1 431	1 438	1 377	1 544	1 534	-0.6%
Pulp, paper and print		1 505	1 714	1 750	1 601	1 843	1 877	1.8%
Engineering & metal		2 966	3 001	3 007	3 347	3 650	3 783	3.6%
Other industries		3 510	3 011	2 761	2 818	2 633	2 660	1.0%
Transport		2 239	2 273	2 149	2 305	2 092	2 119	1.3%
Services & households etc.		28 808	27 727	27 141	28 102	28 825	28 112	-2.5%
<i>among which:</i>								
Households		15 503	14 506	14 048	13 822	14 239	14 121	-0.8%

3.2 Electrical capacity, fuel inputs and heat

		CESKA REPUBLIKA						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	15 103	14 891	15 215	15 159	15 390	16 304	5.9%
<i>by source:</i>								
Conventional thermal		11 293	11 098	11 302	11 302	11 485	11 399	-0.7%
<i>of which:</i>								
Steam		10 954	10 490	10 900	10 693	10 873	10 781	-0.8%
Gas turbine		-	-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-	-
Internal combustion		339	608	33	33	26	24	-7.7%
Nuclear		1 760	1 760	1 760	1 760	1 760	2 760	56.8%
Hydro		2 050	2 033	2 153	2 097	2 145	2 145	0.0%
<i>among which:</i>								
Pumped storage		1 145	1 145	1 145	1 145	1 145	1 145	0.0%
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		13 207	12 920	12 903	12 903	13 216	14 037	6.2%
Autoproducers		1 896	1 971	2 313	2 313	2 227	2 273	2.1%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	14 893	13 182	14 557	15 888	16 102	15 269	-5.2%
<i>among which:</i>								
Hard coal		13 269	11 540	12 684	13 924	14 146	13 688	-3.2%
Lignite and peat		133	136	102	100	112	104	-7.4%
Petroleum products		314	242	205	203	213	25	-88.3%
Natural gas		481	469	570	690	671	695	3.6%
Renewables		145	200	330	277	277	274	-1.1%
Heating plants		1 206	1 068	1 116	963	959	899	-6.3%
<i>among which:</i>								
Hard coal		308	306	262	287	288	292	1.6%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		116	112	129	97	100	11	-89.5%
Natural gas		683	587	691	530	532	581	9.0%
Renewables		49	7	10	11	11	10	-0.9%
Heat production and consumption								
Total heat production	TJ	4 308	3 775	3 494	3 322	3 561	3 399	-4.6%
<i>among which: in heating plants</i>								
		1 056	979	911	847	891	866	-2.8%
Heat consumption		3 459	2 991	2 960	2 624	2 793	2 581	-7.6%
<i>of which: in industry</i>								
		2 112	1 553	924	781	789	702	-11.0%
<i>in households and services</i>								
		1 346	1 439	2 036	1 843	2 005	1 879	-6.3%
<i>among which: in households</i>								
		1 052	1 107	1 334	1 213	1 343	1 282	-4.6%

4.1 Crude oil and feedstocks

		CESKA REPUBLIKA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		163	179	183	183	183	265	44.8%
Total imports		7 058	6 978	6 064	5 725	6 037	6 189	2.5%
Total exports		91	103	109	111	119	140	17.6%
Stock changes		-104	-236	-79	115	41	-46	-212.2%
Refinery intake		7 487	7 167	6 314	6 171	6 357	6 425	1.1%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	CESKA REPUBLIKA							
	<i>in 1 000 t</i>	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output		7 410	7 090	6 247	6 131	6 309	6 376	1.1%
<i>among which:</i>								
Motor spirit		1 204	1 057	956	1 036	1 106	1 248	12.8%
Kerosene and jet fuel		155	121	134	163	168	160	-4.8%
Naphtha		402	443	413	355	570	409	-28.2%
Gas/diesel oil		2 455	2 481	2 172	2 125	2 250	2 412	7.2%
Residual fuel oil		1 523	1 512	1 128	911	773	376	-51.4%
Total imports		2 048	2 657	3 023	2 829	3 359	3 102	-7.7%
Total exports		1 065	1 296	1 196	973	1 156	1 243	7.5%
Bunkers		-	-	-	-	-	-	-
Stock changes		-366	-177	112	-130	-198	156	178.8%
Gross inland consumption		617	1 184	1 939	1 726	2 005	2 022	0.8%
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands		-	-	-	-	-	-	-
United Kingdom		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
OPEC		-	-	-	-	-	-	-
Imports by product								
<i>among which:</i>								
Motor spirit		716	855	1 050	929	1 102	989	-10.3%
Kerosene and jet fuel		49	95	56	38	33	50	51.5%
Gas/diesel oil		590	915	1 040	1 111	1 345	1 255	-6.7%
Residual fuel oil		203	360	295	181	271	212	-21.8%
Exports by product								
<i>among which:</i>								
Motor spirit		-	55	99	75	209	274	31.1%
Kerosene and jet fuel		13	-	-	6	-	-	-
Gas/diesel oil		409	580	617	492	603	693	14.9%
Residual fuel oil		399	459	237	160	129	67	-48.1%
Consumption								
Inputs to electricity plants		328	253	214	212	223	26	-88.3%
Inputs to heating plants		121	117	135	102	105	11	-89.5%
Non-energy use		2 139	2 093	2 198	2 075	2 369	1 917	-19.1%
Final energy consumption		4 985	5 448	5 267	5 230	5 246	5 614	7.0%
Industry								
<i>among which by product:</i>								
Gas/diesel oil		383	601	505	620	222	195	-12.2%
Residual fuel oil		647	768	608	311	77	294	281.8%

		CESKA REPUBLIKA						
<i>in 1 000 t</i>		1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry		203	286	189	139	25	102	308.0%
Non-ferrous metals		1	1	1	1	1	1	0.0%
Chemical industry		131	146	179	49	-	14	
Non-met. mineral prod.		181	220	148	118	22	65	195.5%
Food, drink, tobacco		91	86	82	83	28	82	192.9%
Pulp, paper and print		43	25	29	15	5	49	880.0%
Engineering & metal		56	50	39	49	30	40	33.3%
Other industries		366	604	439	596	303	228	-24.8%
Transport		3 395	3 502	3 757	3 774	4 666	4 816	3.2%
<i>among which:</i>								
Motor spirit		1 843	1 818	1 927	1 861	1 904	1 929	1.3%
Jet fuel		158	187	176	192	205	195	-4.9%
Diesel oil		1 314	1 442	1 590	1 659	2 485	2 611	5.1%
Services & households etc.		463	497	350	365	151	185	22.5%
<i>among which:</i>								
Gas oil		308	310	226	194	3	6	100.0%
Residual fuel oil		72	82	54	88	52	110	111.5%
Stocks at end of period								
Crude oil and feedstocks		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	CESKA REPUBLIKA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	7 597	7 877	8 253	7 876	5 671	5 338	-5.9%
Total imports	354 110	354 193	346 247	348 100	359 894	368 354	2.4%
Total exports	38	38	38	38	-	38	
Stock changes	-4 914	-4 498	5 065	-7 031	8 091	-12 564	-255.3%
Gross inland consumption	356 755	357 534	359 527	348 907	373 656	361 090	-3.4%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	22 369	21 829	26 515	32 122	31 220	32 333	3.6%
Inputs to heat plants	31 776	27 287	32 163	24 645	24 770	27 007	9.0%
Consumption of energy branch	9 133	7 216	5 868	6 607	6 132	6 192	1.0%
Distribution losses	9 986	12 446	10 961	10 232	9 288	8 770	-5.6%
Non-energy use	-	-	-	-	-	-	-
Industry	141 580	132 511	122 334	121 028	120 357	120 085	-0.2%
<i>among which:</i>							
Iron&steel industry	12 204	10 668	10 902	10 345	12 053	12 701	5.4%
Non-ferrous metals	2 407	2 308	2 295	2 228	2 362	2 450	3.7%
Chemical industry	12 009	9 533	9 520	9 288	9 377	9 520	1.5%
Non-met. mineral prod.	32 753	28 296	27 068	27 751	27 920	28 050	0.5%
Food, drink, tobacco	18 076	17 553	17 614	16 877	16 150	16 104	-0.3%
Pulp, paper and print	4 075	3 934	3 779	3 964	3 642	3 820	4.9%
Engineering & metal	15 112	11 198	9 781	10 194	11 196	11 270	0.7%
Other industries	40 301	44 481	37 156	36 039	33 382	32 220	-3.5%
Transport	-	113	120	189	228	304	33.3%
Services & households etc.	140 893	154 985	161 252	153 894	181 661	166 399	-8.4%
<i>among which:</i>							
Households	94 048	96 615	96 266	95 334	110 580	103 720	-6.2%
Services	42 588	54 852	61 862	55 388	67 943	59 367	-12.6%

6.1 Hard coal

	CESKA REPUBLIKA							
	<i>in 1 000 t</i>	1997	-	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	73 272	66 879	58 632	64 709	65 599	62 855	-4.2%	
Total imports	2 277	1 580	1 040	1 095	1 203	1 217	1.2%	
Total exports	11 379	10 467	9 356	8 654	8 690	7 639	-12.1%	
Stock changes	-218	634	704	3 486	477	179	-62.5%	
Gross inland consumption	63 952	58 626	51 020	60 636	58 589	56 612	-3.4%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	-	-	-	-	-	-	-	
Poland	-	-	-	-	-	-	-	
CIS	-	-	-	-	-	-	-	
Australia	-	-	-	-	-	-	-	
South Africa	-	-	-	-	-	-	-	
Colombia	-	-	-	-	-	-	-	
Consumption								
Inputs to electricity plants	43 865	38 067	38 606	43 862	44 752	43 304	-3.2%	
Inputs to heat plants	881	822	632	744	767	779	1.6%	
Consumption of energy branch	8	7	9	9	10	10	0.0%	
Industry								
<i>among which:</i>								
Iron&steel industry	1 038	1 282	817	1 032	1 104	944	-14.5%	
Non-ferrous metals	15	5	1	19	13	15	15.4%	
Chemical industry	870	364	1 221	2 560	1 673	1 720	2.8%	
Non-met. mineral prod.	423	465	323	450	431	341	-20.9%	
Food, drink, tobacco	434	344	198	322	263	265	0.8%	
Pulp, paper and print	396	197	188	248	200	191	-4.5%	
Engineering & metal	403	325	220	585	452	442	-2.2%	
Other industries	868	128	39	947	58	60	3.4%	
Services & households etc.	4 599	3 275	2 750	3 216	2 177	1 816	-16.6%	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

		CESKA REPUBLIKA						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		4 291	4 009	3 332	3 411	3 522	3 537	0.4%
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		747	652	512	453	507	501	-1.2%
Brown coal briquettes		506	325	288	253	280	302	7.9%
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		31 884	29 884	23 381	25 266	25 274	25 904	2.5%
Blast-furnace gas		32 145	31 062	22 429	26 510	25 002	25 891	3.6%
Gasworks gas		12 045	13 499	12 748	13 747	13 682	13 719	0.3%
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		2 514	2 173	1 864	2 208	2 291	2 154	-6.0%
<i>among which:</i>								
Iron & steel industry		2 231	1 894	1 613	1 953	2 023	1 901	-6.0%
Services & households		160	148	137	156	162	157	-3.1%
Patent Fuel		-	-	-	-	-	-	-
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		100	10	21	9	8	8	0.0%
<i>among which:</i>								
Industry		-	2	4	2	2	2	0.0%
Services & households		100	8	17	7	6	6	0.0%
Brown coal briquettes		211	127	122	133	112	123	9.8%
<i>among which:</i>								
Industry		-	1	1	-	-	-	-
Services & households		211	126	121	133	112	123	9.8%
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		15 688	14 202	9 948	10 596	11 963	13 912	16.3%
Blast-furnace gas		15 450	14 401	11 304	12 588	13 655	19 315	41.5%
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		23 579	26 000	23 370	25 716	25 497	16 803	-34.1%
Inputs to heat plants		1 639	1 466	1 048	1 082	1 070	-	-
Consumption of energy branch		16 360	15 179	11 724	14 758	10 662	13 247	24.2%
Consumption in industry		31 138	28 603	21 252	23 184	25 618	33 227	29.7%


7. Renewable energy sources

		CESKA REPUBLIKA						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	651	635	734	597	689	853	23.9%
Hydro (excl. pumping)		146	120	144	151	177	214	21.3%
Wind		-	-	-	-	-	-	-
Solar		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Biomass		505	515	589	445	512	639	24.8%
	<i>among which:</i>							
Wood, wood-waste		453	473	472	319	368	493	34.1%
Municipal solid waste		-	-	75	88	105	108	2.3%
Biogas		52	45	41	36	37	36	-3.3%
Gross inland consumption		651	635	732	597	689	853	23.9%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		194	207	340	288	287	284	-1.1%
	<i>among which:</i>							
Wood, wood-waste		142	163	226	189	190	188	-1.2%
Municipal waste		-	-	75	64	63	63	0.1%
Biogas		52	45	39	34	34	34	-2.2%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	310	310	247	178	225	354	57.6%
	<i>by sector:</i>							
Industry		310	310	245	128	178	301	69.7%
Services & households etc.		-	-	2	49	46	52	12.5%
Transport		-	-	0	1	1	1	-11.1%
	<i>by source:</i>							
Biomass		310	310	247	178	225	354	57.6%
	<i>among which:</i>							
Wood, wood-waste		310	310	244	129	177	305	72.0%
Municipal waste		-	-	0	24	42	45	6.6%
Biogas		-	-	2	2	3	2	-17.2%
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	:	245	265	254	-4.2%
Hydro with installed capacity > 1 & <10 MW		:	:	:	258	426	495	16.2%
Hydro with installed capacity > 10 MW		:	:	:	1 255	1 363	1 743	27.9%
Wood, Wood-waste		:	:	:	382	381	367	-3.7%
Municipal waste		:	:	:	5	4	4	0.0%
Biogas		:	:	:	135	133	127	-4.5%

		CESKA REPUBLIKA						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	92	52	54	104	92.6%
Hydro with installed capacity > 1 & <10 MW		:	:	101	90	106	134	26.4%
Hydro with installed capacity > 10 MW		:	:	815	810	840	762	-9.3%
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Liquid biofuels								
Production	<i>1000 t</i>	-	-	35	67	71	104	46.5%
Solar Panels								
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-	-


1. Energy economy

Key figures and energy indicators

		DANMARK					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	20 172	20 322	23 697	27 607	27 025	28 482
Net energy imports		3 931	1 568	-3 267	-7 099	-5 695	-8 523
Net oil imports		-701	-338	-4 693	-8 097	-6 748	-9 165
Net gas imports		-2 791	-2 518	-2 568	-2 882	-3 054	-2 984
Gross inland energy consumption		21 308	20 980	20 215	19 666	20 213	19 839
Final energy consumption		14 941	14 984	14 912	14 560	14 992	14 737
Industry		3 056	3 032	3 022	2 928	3 023	2 949
Transport		4 612	4 673	4 738	4 720	4 747	4 719
Services and households etc.		7 274	7 279	7 153	6 912	7 222	7 069
Gross electricity generation	GWh	44 309	41 100	38 897	36 035	37 697	39 232
Final electricity consumption		31 880	32 101	32 229	32 461	32 555	32 373
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	145 459	149 049	152 976	157 309	159 759	161 384
Population	1000 per.	5 285	5 304	5 321	5 340	5 359	5 376
Industry added value	Mio EUR	32 019	32 618	33 770	34 776	35 051	34 974
Total imports (current prices)	Mio EUR	49 207	53 565	56 512	64 122	66 332	71 161
among which:							
All energy commodities		1 535	1 375	1 626	2 561	2 334	2 193
Oil products		1 437	1 020	1 339	2 248	1 865	1 733
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	146.5	140.8	132.1	125.0	126.5	122.9
Final energy consumption / GDP(95)		102.7	100.5	97.5	92.6	93.8	91.3
Energy intensity of industry:							
Final consumption / gross value-added mp		95.4	92.9	89.5	84.2	86.2	84.3
Energy intensity of service sector:							
Final consumption / gross value-added mp		19.6	19.4	18.8	17.8	18.2	17.9
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	4 032	3 956	3 799	3 683	3 772	3 690
Final energy consumption / capita		2 827	2 825	2 803	2 727	2 797	2 741
Household consumption / capita		839	836	811	771	813	785
Electricity consumption / capita	kWh/cap.	6 642	6 398	6 301	6 073	6 121	6 002
Energy dependency							
Net energy imports / Gross consumption	in %	17.3	7.0	-15.2	-33.8	-26.7	-41.1
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	70.1	71.4	73.8	74.0	74.2	74.3
Efficiency of thermal power stations		59.6	62.1	63.9	64.6	65.0	65.5

2. Energy balance

Principal aggregates by product

 eurostat	DANMARK						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	20 172	20 322	23 697	27 607	27 025	28 482	5.4%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Crude oil	11 375	11 661	14 763	18 132	17 238	18 504	7.3%
Natural Gas	7 047	6 834	7 024	7 411	7 589	7 603	0.2%
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	2	2	3	2	2	3	14.3%
Biomass	1 574	1 574	1 639	1 688	1 815	1 942	7.0%
Imports							
Total	19 209	16 542	15 351	14 816	14 336	13 406	-6.5%
<i>among which:</i> Hard coal	8 058	4 840	4 243	3 825	4 138	3 775	-8.8%
Crude oil and feedstocks	4 478	4 871	4 868	4 072	3 285	3 499	6.5%
Petroleum products	6 294	6 492	5 745	6 124	6 091	5 146	-15.5%
Natural Gas	-	-	-	-	-	87	-
Electricity	326	282	427	724	705	769	9.0%
Exports							
Total	15 278	14 974	18 617	21 915	20 032	21 929	9.5%
<i>among which:</i> Crude oil and feedstocks	7 216	8 488	11 252	13 678	12 200	14 000	14.8%
Petroleum products	4 258	3 212	4 054	4 615	3 924	3 809	-2.9%
Natural gas	2 791	2 518	2 568	2 882	3 054	3 072	0.6%
Electricity	950	653	626	667	754	947	25.5%
Gross inland consumption							
Total	21 308	20 980	20 215	19 666	20 213	19 839	-1.9%
<i>among which:</i> Solid fuels	6 656	5 662	4 608	4 013	4 215	4 175	-0.9%
Crude oil and petrol. prod.	9 575	9 567	9 371	9 044	9 123	8 736	-4.2%
Natural gas	3 932	4 272	4 491	4 449	4 631	4 627	-0.1%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	1 764	1 846	1 940	2 100	2 290	2 475	8.1%
Transformation input							
Total	19 499	17 852	17 463	16 831	17 110	16 888	-1.3%
<i>among which:</i> Crude oil and feedstocks	8 805	7 985	8 308	8 452	8 311	8 079	-2.8%
Petroleum products	1 728	1 534	1 496	1 395	1 394	1 209	-13.3%
Hard coal	6 264	5 284	4 387	3 668	3 942	3 974	0.8%
Lignite and peat	-	-	-	-	-	-	-
Renewables	994	1 045	1 109	1 140	1 196	1 291	7.9%
Transformation output							
Total	15 396	14 299	14 317	13 980	14 131	14 000	-0.9%
<i>among which:</i> Electricity	3 642	3 289	3 081	2 731	2 870	2 952	2.9%
Heat	2 986	3 054	2 959	2 856	3 049	3 002	-1.6%

Final energy consumption

Total	14 941	14 984	14 912	14 560	14 992	14 737	-1.7%
<i>among which:</i> Solid fuels	379	353	317	307	244	221	-9.7%
Petroleum products	7 188	7 147	7 168	6 950	7 015	6 909	-1.5%
Natural Gas	1 740	1 738	1 748	1 660	1 762	1 649	-6.4%
Renewables	593	548	560	583	710	751	5.7%
Electricity	2 741	2 760	2 771	2 791	2 799	2 784	-0.6%

Final energy consumption by sector
Industry

Total	3 056	3 032	3 022	2 928	3 023	2 949	-2.4%
<i>among which:</i> Solid fuels	346	328	298	282	216	201	-7.1%
Petroleum Products	811	792	783	752	793	781	-1.6%
Natural Gas	794	811	838	790	817	758	-7.2%
Renewables	102	104	96	91	166	200	20.7%
Electricity	857	857	854	860	863	840	-2.6%


Transport

Total	4 612	4 673	4 738	4 720	4 747	4 719	-0.6%
<i>among which:</i> Motor spirit	2 030	2 068	2 060	2 031	2 003	2 011	0.4%
Diesel oil	1 803	1 766	1 799	1 790	1 823	1 875	2.9%
Jet fuel	727	770	807	820	843	739	-12.3%
Electricity	23	28	29	30	30	31	4.6%


Services&households

Total	7 274	7 279	7 153	6 912	7 222	7 069	-2.1%
<i>among which:</i> Solid fuels	33	25	19	25	29	20	-29.3%
Gas oil	1 625	1 565	1 538	1 395	1 399	1 338	-4.4%
Natural Gas	946	927	910	870	946	891	-5.8%
Renewables	491	444	464	492	545	551	1.2%
Electricity	1 861	1 876	1 888	1 901	1 907	1 912	0.3%
Heat	2 127	2 273	2 172	2 094	2 268	2 233	-1.6%


3.1 Electricity balance

 eurostat	DANMARK						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	44 309	41 100	38 897	36 035	37 697	39 232	4.1%
<i>among which:</i>							
Hydro	19	27	31	29	28	32	14.3%
Wind	1 934	2 820	3 029	4 242	4 306	4 877	13.3%
Geothermal	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Conventional thermal	42 356	38 253	35 837	31 764	33 363	34 323	2.9%
<i>of which:</i>							
Hard coal	28 713	23 652	20 081	16 670	17 822	18 260	2.5%
Lignite and peat	-	-	-	-	-	-	-
Petroleum products	5 423	4 965	4 879	4 435	4 168	4 004	-3.9%
Natural gas	6 855	8 167	9 078	8 805	9 263	9 563	3.2%
Derived gases	-	-	-	-	-	-	-
Biomass	1 326	1 455	1 799	1 755	2 110	2 447	16.0%
Industrial wastes	39	14	-	99	-	49	-
Total net generation	41 883	39 215	37 023	34 443	36 143	37 304	3.2%
Imports and exports							
Total imports	3 796	3 280	4 963	8 417	8 199	8 939	9.0%
Total exports	11 048	7 600	7 275	7 752	8 774	11 010	25.5%
Consumption and losses							
Consumption of the energy branch	3 024	2 456	2 438	2 149	2 224	2 601	17.0%
<i>of which:</i>							
Consumption for pumped-storage	-	-	-	-	-	-	-
Network losses	2 153	2 224	1 916	2 090	2 357	2 199	-6.7%
Final energy consumption	31 880	32 101	32 229	32 461	32 555	32 373	-0.6%
<i>of which:</i>							
Industry	9 964	9 963	9 931	10 001	10 032	9 775	-2.6%
<i>among which:</i>							
Iron&steel industry	612	612	714	733	753	733	-2.7%
Non-ferrous metals	82	86	73	74	63	62	-1.6%
Chemical industry	1 241	1 157	1 264	1 232	1 330	1 293	-2.8%
Non-met. mineral prod.	828	846	870	904	865	842	-2.7%
Food, drink, tobacco	2 259	2 315	2 193	2 258	2 289	2 226	-2.8%
Pulp, paper and print	703	723	739	746	756	735	-2.8%
Engineering & metal	1 989	2 027	1 791	1 782	1 767	1 718	-2.8%
Other industries	1 943	1 899	1 989	1 977	1 909	1 874	-1.8%
Transport	272	325	341	348	348	364	4.6%
Services & households etc.	21 644	21 813	21 957	22 112	22 175	22 234	0.3%
<i>among which:</i>							
Households	10 309	10 176	10 283	10 242	10 146	10 181	0.3%


3.2 Electrical capacity, fuel inputs and heat


		DANMARK						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	11 813	12 545	12 727	13 057	12 759	13 293	4.2%
<i>by source:</i>								
Conventional thermal		10 673	11 091	10 945	10 233	10 192	10 396	2.0%
<i>of which:</i>								
Steam		8 824	9 061	8 892	8 154	7 607	7 683	1.0%
Gas turbine		450	549	549	549	553	559	1.1%
Combined cycle		494	523	533	518	1 004	1 097	9.3%
Internal combustion		906	958	970	1 012	1 028	1 056	2.7%
Nuclear		-	-	-	-	-	-	-
Hydro		10	11	11	10	11	11	0.0%
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		1 130	1 443	1 771	2 814	2 556	2 886	12.9%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		11 377	11 999	12 170	12 089	12 204	12 742	4.4%
Autoproducers		436	547	557	572	557	553	-0.7%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	10 040	9 229	8 571	7 824	8 243	8 293	0.6%
<i>among which:</i>								
Hard coal		6 260	5 282	4 386	3 667	3 941	3 974	0.8%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		1 662	1 471	1 440	1 344	1 329	1 156	-13.0%
Natural gas		1 600	1 913	2 088	2 112	2 188	2 271	3.8%
Renewables		518	563	658	701	785	893	13.7%
Heating plants		655	637	583	555	555	516	-7.0%
<i>among which:</i>								
Hard coal		4	2	1	1	1	1	0.0%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		66	63	56	51	65	53	-18.4%
Natural gas		107	89	74	63	77	63	-18.5%
Renewables		477	483	452	440	413	400	-3.1%
Heat production and consumption								
Total heat production	TJ	2 986	3 054	2 959	2 856	3 049	3 002	-1.6%
<i>among which: in heating plants</i>								
		642	609	565	531	563	520	-7.6%
Heat consumption		2 270	2 410	2 324	2 246	2 436	2 401	-1.5%
<i>of which: in industry</i>								
		143	137	152	152	168	168	0.0%
<i>in households and services</i>								
		2 127	2 273	2 172	2 094	2 268	2 233	-1.6%
<i>among which: in households</i>								
		1 481	1 554	1 483	1 421	1 539	1 502	-2.4%

4.1 Crude oil and feedstocks


 in 1 000 t		DANMARK						
		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		11 145	11 432	14 465	17 780	16 887	18 143	7.4%
Total imports		4 388	4 776	4 771	3 994	3 219	3 432	6.6%
Total exports		7 070	8 322	11 025	13 413	11 951	13 727	14.9%
Stock changes		62	-55	-120	-66	-4	58	1550.0%
Refinery intake		8 627	7 829	8 142	8 289	8 143	7 922	-2.7%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		4 168	4 708	4 424	2 596	2 937	3 231	10.0%
Refining capacity								
Capacity at the end of year	1 000 t/year	9 455	8 850	9 150	9 150	:	:	
<i>among which:</i>								
Cracking and others		3 200	4 580	4 580	4 580	:	:	
Reforming		1 600	1 740	1 740	1 740	:	:	

4.2 Petroleum products


 eurostat	DANMARK						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	8 590	7 800	8 110	8 231	8 044	7 890	-1.9%
<i>among which:</i>							
Motor spirit	2 343	2 176	2 259	2 278	2 239	2 074	-7.4%
Kerosene and jet fuel	431	378	519	496	543	529	-2.6%
Naphtha	63	12	-	6	5	-	
Gas/diesel oil	3 564	3 244	3 273	3 260	3 220	3 258	1.2%
Residual fuel oil	1 678	1 560	1 599	1 717	1 567	1 574	0.4%
Total imports	6 378	6 561	5 823	6 200	6 177	5 206	-15.7%
Total exports	4 226	3 189	4 026	4 590	3 886	3 779	-2.8%
Bunkers	1 396	1 400	1 316	1 352	1 139	937	-17.7%
Stock changes	209	-333	712	404	-262	257	198.1%
Gross inland consumption	984	1 658	1 214	676	907	763	-15.9%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	124	75	149	77	91	48	-47.3%
United Kingdom	238	205	178	261	311	180	-42.1%
Norway	348	506	507	508	492	640	30.1%
OPEC	1 693	1 609	1 443	1 428	1 674	1 088	-35.0%
Imports by product							
<i>among which:</i>							
Motor spirit	1 152	1 020	938	1 016	1 034	1 006	-2.7%
Kerosene and jet fuel	443	729	533	674	797	571	-28.4%
Gas/diesel oil	1 962	2 198	1 945	1 984	1 834	1 718	-6.3%
Residual fuel oil	2 274	2 100	1 854	1 963	1 947	1 369	-29.7%
Exports by product							
<i>among which:</i>							
Motor spirit	1 535	1 167	1 160	1 388	1 295	1 126	-13.1%
Kerosene and jet fuel	121	114	324	348	404	368	-8.9%
Gas/diesel oil	1 065	693	1 177	1 219	901	979	8.7%
Residual fuel oil	1 212	1 102	1 243	1 441	1 132	1 179	4.2%
Consumption							
Inputs to electricity plants	1 730	1 530	1 496	1 397	1 381	1 200	-13.1%
Inputs to heating plants	72	69	63	56	70	58	-17.1%
Non-energy use	327	291	310	300	262	268	2.3%
Final energy consumption	7 087	7 038	7 068	6 852	6 924	6 822	-1.5%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	351	344	361	342	384	361	-6.0%
Residual fuel oil	275	274	215	203	184	198	7.6%

 eurostat	DANMARK						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	4	4	4	4	6	5	-16.7%
Non-ferrous metals	3	3	2	3	4	4	0.0%
Chemical industry	53	50	30	29	36	35	-2.8%
Non-met. mineral prod.	301	285	282	290	302	301	-0.3%
Food, drink, tobacco	170	173	178	172	176	180	2.3%
Pulp, paper and print	10	10	10	10	12	11	-8.3%
Engineering & metal	71	71	78	73	71	66	-7.0%
Other industries	202	199	213	188	194	189	-2.6%
Transport	4 453	4 507	4 570	4 552	4 580	4 553	-0.6%
<i>among which:</i>							
Motor spirit	1 932	1 968	1 960	1 933	1 906	1 914	0.4%
Jet fuel	708	750	786	798	821	720	-12.3%
Diesel oil	1 785	1 748	1 781	1 772	1 804	1 856	2.9%
Services & households etc.	1 778	1 698	1 663	1 493	1 488	1 425	-4.2%
<i>among which:</i>							
Gas oil	1 608	1 549	1 522	1 381	1 385	1 324	-4.4%
Residual fuel oil	87	74	72	53	45	47	4.4%
Stocks at end of period							
Crude oil and feedstocks	481	536	656	723	727	669	-8.0%
Petroleum products	2 580	2 868	2 208	1 832	1 981	1 875	-5.4%

5. Natural gas

 eurostat	DANMARK							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		327 836	317 935	326 735	344 772	353 062	353 693	0.2%
Total imports		-	-	-	-	-	4 063	
Total exports		129 852	117 136	119 443	134 087	142 090	142 901	0.6%
Stock changes		-15 064	-2 065	1 613	-3 732	4 461	408	-90.9%
Gross inland consumption		182 920	198 734	208 905	206 953	215 433	215 263	-0.1%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		-	-	-	-	-	-	-
Algeria		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Consumption								
Inputs to electricity plants		74 427	88 998	97 115	98 263	101 799	105 640	3.8%
Inputs to heat plants		4 996	4 146	3 424	2 928	3 579	2 917	-18.5%
Consumption of energy branch		21 763	24 197	26 224	27 807	27 171	29 141	7.3%
Distribution losses		133	133	133	134	133	134	0.8%
Non-energy use		-	-	-	-	-	-	-
Industry		36 931	37 723	38 988	36 752	37 984	35 263	-7.2%
<i>among which:</i>								
Iron&steel industry		1 934	1 979	2 078	2 016	1 967	1 825	-7.2%
Non-ferrous metals		164	177	160	154	202	187	-7.4%
Chemical industry		3 032	3 481	4 049	3 813	4 040	3 749	-7.2%
Non-met. mineral prod.		6 028	6 407	7 019	6 939	6 283	5 831	-7.2%
Food, drink, tobacco		14 717	13 956	13 002	12 762	12 706	11 791	-7.2%
Pulp, paper and print		2 330	2 656	2 330	2 295	2 687	2 493	-7.2%
Engineering & metal		4 587	4 791	5 147	4 685	4 935	4 580	-7.2%
Other industries		2 454	2 705	2 989	2 668	2 899	2 704	-6.7%
Transport		-	-	-	-	-	-	-
Services & households etc.		44 002	43 109	42 350	40 470	44 005	41 460	-5.8%
<i>among which:</i>								
Households		30 631	31 653	31 528	30 011	32 189	30 633	-4.8%
Services		9 330	7 571	6 977	6 707	7 830	7 372	-5.8%


6.1 Hard coal


 eurostat	DANMARK							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	13 474	8 071	7 117	6 415	6 924	6 263	-9.5%	
Total exports	105	171	200	123	164	168	2.4%	
Stock changes	-2 290	1 487	755	393	251	790	214.7%	
Gross inland consumption	11 079	9 387	7 672	6 685	7 011	6 885	-1.8%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	317	574	-	-	-	13		
Poland	3 470	2 678	2 640	2 311	2 094	2 263	8.1%	
CIS	430	221	837	1 295	1 816	1 085	-40.3%	
Australia	1 300	446	500	143	160	250	56.3%	
South Africa	4 599	2 901	1 767	1 672	1 880	1 214	-35.4%	
Colombia	2 773	1 247	1 244	812	415	792	90.8%	
Consumption								
Inputs to electricity plants	10 501	8 846	7 404	6 190	6 600	6 615	0.2%	
Inputs to heat plants	6	3	2	2	1	1	0.0%	
Consumption of energy branch	-	-	-	-	-	-	-	
Industry	503	470	419	402	325	277	-14.8%	
<i>among which:</i>								
Iron&steel industry	-	-	-	-	-	-	-	
Non-ferrous metals	-	-	-	-	-	-	-	
Chemical industry	22	19	21	20	16	15	-6.3%	
Non-met. mineral prod.	313	294	269	258	184	157	-14.7%	
Food, drink, tobacco	107	100	93	89	103	87	-15.5%	
Pulp, paper and print	-	-	-	-	-	-	-	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	-	-	-	-	-	-	-	
Services & households etc.	52	39	30	41	47	33	-29.8%	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

eurostat	DANMARK						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	-	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	-	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-	-
Gasworks gas	-	-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	42	46	48	40	38	37	-2.6%
<i>among which:</i>							
Iron & steel industry	-	-	1	1	1	1	0.0%
Services & households	1	1	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
<i>among which:</i>							
Services & households	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Brown coal briquettes	3	3	2	1	2	1	-50.0%
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	3	3	2	1	2	1	-50.0%
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	-	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-	-
Gasworks gas	1 102	938	791	725	757	664	-12.3%
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Consumption in industry	143	153	57	57	47	47	0.0%

7. Renewable energy sources

		DANMARK						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	1 749	1 827	1 911	2 064	2 197	2 375	8.1%
Hydro (excl. pumping)		2	2	3	2	2	3	14.3%
Wind		166	242	260	365	370	419	13.3%
Solar		6	7	7	7	8	8	4.1%
Geothermal		1	1	1	1	2	2	19.7%
Biomass		1 574	1 574	1 639	1 688	1 815	1 942	7.0%
	<i>among which:</i>							
Wood, wood-waste		876	875	881	894	969	1 061	9.4%
Municipal solid waste		639	634	695	725	773	801	3.6%
Biogas		59	65	63	69	73	80	10.3%
Gross inland consumption		1 764	1 846	1 940	2 100	2 290	2 475	8.1%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		1	1	1	1	2	2	19.7%
Biomass		994	1 045	1 109	1 140	1 196	1 291	7.9%
	<i>among which:</i>							
Wood, wood-waste		336	372	395	391	407	482	18.6%
Municipal waste		611	618	660	691	729	744	2.0%
Biogas		47	55	54	58	61	65	6.9%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	599	555	567	590	718	759	5.7%
	<i>by sector:</i>							
Industry		102	104	96	91	166	200	20.7%
Services & households etc.		497	451	471	499	553	560	1.2%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		593	548	560	583	710	751	5.7%
	<i>among which:</i>							
Wood, wood-waste		555	522	516	540	655	679	3.6%
Municipal waste		28	17	35	32	44	58	31.5%
Biogas		10	9	10	11	11	15	28.8%
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		10	15	10	10	14	17	21.4%
Hydro with installed capacity > 1 & <10 MW		10	12	21	19	14	15	7.1%
Hydro with installed capacity > 10 MW		-	-	-	-	-	-	-
Wood, Wood-waste		343	432	531	409	587	1 064	81.3%
Municipal waste		824	834	1 073	1 238	938	985	5.0%
Biogas		93	93	197	208	173	179	3.5%

	DANMARK						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW	7	7	5	5	7	7	0.0%
Hydro with installed capacity > 1 & <10 MW	3	4	6	5	4	4	0.0%
Hydro with installed capacity > 10 MW	-	-	-	-	-	-	-
Wood, Wood-waste	40	40	110	86	134	197	47.0%
Municipal waste	171	167	198	233	242	263	8.7%
Biogas	20	20	40	40	47	52	10.6%
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	213	230	246	250	271	282	4.1%


1. Energy economy

Key figures and energy indicators

eurostat		DEUTSCHLAND					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	138 377	131 597	134 535	132 095	131 363	131 613p
Net energy imports		208 357	212 748	202 556	204 702	215 640	209 524p
Net oil imports		135 542	139 443	127 817	125 974	131 445	123 296
Net gas imports		58 161	56 045	57 300	56 865	58 197	60 071
Gross inland energy consumption		345 465	344 484	338 421	340 225	350 118	343 671p
Final energy consumption		226 131	224 450p	219 934p	213 270p	215 174p	210 485p
Industry		58 394	57 707p	56 540p	58 787p	55 762p	55 630p
Transport		63 772	64 861	66 903	65 978	64 546p	64 138p
Services and households etc.		103 965	101 883p	96 491p	88 505p	94 866p	90 717p
Gross electricity generation	GWh	551 570	556 714	555 465	571 551	581 582	571 645
Final electricity consumption		461 761	466 476	467 483	482 603	490 202p	498 840p
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	1 921 019	1 958 596	1 998 679	2 055 775	2 073 206	2 076 860
Population	1000 per.	82 035	82 047	82 100	82 212	82 350	82 489
Industry added value	Mio EUR	559 949	565 962	559 062	573 446	563 697	557 309
Total imports (current prices)	Mio EUR	500 400	545 962	592 067	654 111	659 675	648 725
among which:							
All energy commodities		29 515	23 509	25 648	47 461	47 607	43 596
Oil products		20 417	15 282	18 374	35 479	31 867	28 073
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	179.8	175.9	169.3	165.5	168.9	165.5
Final energy consumption / GDP(95)		117.7	114.6	110.0	103.7	103.8	101.3
Energy intensity of industry:							
Final consumption / gross value-added mp		104.3	102.0	101.1	102.5	98.9	99.8
Energy intensity of service sector:							
Final consumption / gross value-added mp		26.7	25.3	23.7	19.7	20.2	19.5
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	4 211	4 199	4 122	4 138	4 252	4 166
Final energy consumption / capita		2 757	2 736	2 679	2 594	2 613	2 552
Household consumption / capita		834	817	762	716	774	732
Electricity consumption / capita	kWh/cap.	6 403	6 459	6 424	6 560	6 666	6 521
Energy dependency							
Net energy imports / Gross consumption	in %	59.9	61.4	59.5	59.8	61.2	60.5
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	65.5	65.2	65.0	62.7	61.5	61.2
Efficiency of thermal power stations		46.3	47.2	46.0	37.0	36.3	35.1

2. Energy balance

Principal aggregates by product

 eurostat	DEUTSCHLAND						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	138 377	131 597	134 535	132 095	131 363	131 613p	0.2%
among which:							
Hard coal	33 231	30 633	28 506	24 164	19 697	18 875	-4.2%
Lignite and peat	37 406	35 057	34 053	35 437	38 482	39 889	3.7%
Crude oil	2 836	2 964	2 778	3 208	3 322	3 559	7.1%
Natural Gas	16 079	15 670	16 708	15 800	15 932	15 987	0.3%
Nuclear heat	41 114	38 912	43 853	43 750	44 189	42 522	-3.8%
Hydro-electricity	1 492	1 511	1 689	1 995	1 758	1 988	13.1%
Biomass	5 880	6 362	6 384	6 830	6 935	7 093	2.3%
Imports							
Total	231 835	236 377	229 042	234 913	244 601	239 003p	-2.3%
among which:							
Hard coal	12 616	14 013	14 271	17 390	20 778	20 541	-1.1%
Crude oil and feedstocks	101 688	110 495	105 143	105 061	106 584	106 404	-0.2%
Petroleum products	49 981	45 362	41 044	42 741	44 337	36 752	-17.1%
Natural Gas	61 162	59 333	61 591	61 085	63 444	65 858	3.8%
Electricity	3 268	3 294	3 491	3 881	3 995	4 159p	4.1%
Exports							
Total	23 478	23 629	26 486	30 211	28 961	29 479p	1.8%
among which:							
Crude oil and feedstocks	3 624	1 403	1 761	3 260	1 044	1 341	28.5%
Petroleum products	12 503	15 012	16 609	18 568	18 433	18 520	0.5%
Natural gas	3 000	3 289	4 291	4 220	5 248	5 787	10.3%
Electricity	3 470	3 349	3 401	3 618	3 761	3 299p	-12.3%
Gross inland consumption							
Total	345 465	344 484	338 421	340 225	350 118	343 671p	-1.8%
among which:							
Solid fuels	86 723	85 585	80 110	83 724	86 435	85 468	-1.1%
Crude oil and petrol. prod.	137 080	137 666	132 954	129 872	132 707	127 424	-4.0%
Natural gas	71 948	72 729	71 996	71 853	75 591	75 571	0.0%
Nuclear Energy	41 114	38 912	43 853	43 750	44 189	42 522	-3.8%
Renewables	7 712	8 360	8 637	9 735	9 741	10 605p	8.9%
Transformation input							
Total	256 472	259 908p	260 973	265 667	265 733	263 963p	-0.7%
among which:							
Crude oil and feedstocks	114 233	120 305	118 500	119 856	117 945	117 921	0.0%
Petroleum products	2 450	2 246	2 105	1 796	1 746	1 662	-4.8%
Hard coal	39 949	41 692	40 353	40 931	39 040	37 904	-2.9%
Lignite and peat	36 795	34 981	34 612	37 266	39 072	40 188	2.9%
Renewables	1 806	2 014	2 081	2 146	2 125	2 122	-0.1%
Transformation output							
Total	184 722	189 738p	185 963p	178 764p	175 825p	173 850p	-1.1%
among which:							
Electricity	45 369	45 620	45 258	46 108	46 965	45 393	-3.3%
Heat	9 950	9 950p	9 950p	0p	0p	0p	

Final energy consumption

Total	226 131	224 450p	219 934p	213 270p	215 174p	210 485p	-2.2%
<i>among which:</i> Solid fuels	13 364	11 784	10 486	10 932	10 598	9 823	-7.3%
Petroleum products	105 421	104 586	101 252	98 052	100 779	96 206	-4.5%
Natural Gas	51 674	51 921	51 948	54 928	53 908	53 882	0.0%
Renewables	4 074	4 348	4 303	4 684	4 811	4 970	3.3%
Electricity	39 704	40 110	40 196	41 496	42 150p	42 893p	1.8%

Final energy consumption by sector
Industry

Total	58 394	57 707p	56 540p	58 787p	55 762p	55 630p	-0.2%
<i>among which:</i> Solid fuels	10 606	10 079	9 098	9 656	9 334	8 597	-7.9%
Petroleum Products	7 226	6 704	6 106	5 296	5 671	5 293	-6.7%
Natural Gas	17 769	18 037	18 564	21 222	18 633	18 607	-0.1%
Renewables	326	451	452	453	476	475	-0.1%
Electricity	17 738	17 910	17 720	19 082	18 860p	20 084p	6.5%


Transport

Total	63 772	64 861	66 903	65 978	64 546p	64 138p	-0.6%
<i>among which:</i> Motor spirit	31 557	31 612	31 580	30 064	29 160	28 363	-2.7%
Diesel oil	24 215	25 090	26 785	26 921	26 632	26 927	1.1%
Jet fuel	6 404	6 624	7 002	7 345	7 010	6 984	-0.4%
Electricity	1 450	1 383	1 362	1 368	1 368p	1 392p	1.8%


Services&households

Total	103 965	101 883p	96 491p	88 505p	94 866p	90 717p	-4.4%
<i>among which:</i> Solid fuels	2 753	1 704	1 388	1 268	1 240	1 203	-3.0%
Gas oil	34 262	32 946	28 221	26 900	30 904	27 408	-11.3%
Natural Gas	33 905	33 885	33 383	33 706	35 275	35 275	0.0%
Renewables	3 675	3 815	3 745	4 028	4 051	4 048	-0.1%
Electricity	20 516	20 817	21 115	21 046	21 922p	21 416p	-2.3%
Heat	7 065	7 065p	7 065p	0p	0p	0p	


3.1 Electricity balance

 eurostat	DEUTSCHLAND							
	in GWh		1997	1998	1999	2000	2001	2002
Generation								
Total gross generation		551 570	556 714	555 465	571 551	581 582	571 645	-1.7%
<i>among which:</i>								
Hydro		20 934	21 590	23 613	25 962	24 875	27 864	12.0%
Wind		3 034	4 593	5 528	9 352	10 500	15 856	51.0%
Geothermal		-	-	-	-	-	-	-
Nuclear		170 328	161 644	170 004	169 606	171 305	164 842	-3.8%
Conventional thermal		357 274	368 887	356 320	366 631	374 902	363 083	-3.2%
<i>of which:</i>								
Hard coal		143 103	153 439	143 083	143 164	138 353	133 729	-3.3%
Lignite and peat		141 719	139 402	135 984	148 332	154 817	150 816	-2.6%
Petroleum products		6 866	6 376	5 845	4 785	6 102	4 342	-28.8%
Natural gas		50 176	54 312	55 063	52 495	57 415	54 061	-5.8%
Derived gases		8 071	6 687	6 907	7 475	7 555	6 999	-7.4%
Biomass		3 391	4 785	5 251	6 175	5 250	7 688p	46.4%
Industrial wastes		3 948	3 886	4 187	4 205	5 410	5 448p	0.7%
Total net generation		512 768	517 942	518 662	533 552	541 475	535 657	-1.1%
Imports and exports								
Total imports		38 012	38 315	40 598	45 134	46 465	48 370p	4.1%
Total exports		40 361	38 953	39 558	42 077	43 741	38 372p	-12.3%
Consumption and losses								
Consumption of the energy branch		62 033	61 479	60 711	56 420	56 856p	52 507p	-7.6%
<i>of which:</i>								
Consumption for pumped-storage		2 081	1 357	1 338	3 282	3 310	1 579	-52.3%
Network losses		21 884	24 138	24 372	32 824	32 824p	25 556p	-22.1%
Final energy consumption		461 761	466 476	467 483	482 603	490 202p	498 840p	1.8%
<i>of which:</i>								
Industry		206 297	208 293	206 085	221 926	219 338p	233 582p	6.5%
<i>among which:</i>								
Iron&steel industry		24 099	23 201	22 096	23 654	23 654p	24 070p	1.8%
Non-ferrous metals		17 211	17 943	18 166	18 502	18 502p	18 827p	1.8%
Chemical industry		53 439	53 091	51 151	48 336	48 336p	49 185p	1.8%
Non-met. mineral prod.		14 882	14 875	14 835	14 826	14 826p	15 087p	1.8%
Food, drink, tobacco		13 561	13 875	14 120	14 699	14 699p	14 957p	1.8%
Pulp, paper and print		19 679	19 684	19 981	21 768	21 768p	22 151p	1.8%
Engineering & metal		25 334	27 649	27 925	29 224	29 224p	29 738p	1.8%
Other industries		31 669	31 587	31 633	44 564	41 976p	53 102p	26.5%
Transport		16 859	16 082	15 835	15 910	15 910p	16 190p	1.8%
Services & households etc.		238 605	242 101	245 563	244 767	254 954p	249 068p	-2.3%
<i>among which:</i>								
Households		130 812	130 832	131 281	128 907	139 094	131 172p	-5.7%


3.2 Electrical capacity, fuel inputs and heat


		DEUTSCHLAND						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	113 983	113 624	114 691	118 267	119 389	124 980	4.7%
by source:								
Conventional thermal		80 862	79 784	79 371	80 794	79 380	81 092	2.2%
<i>of which:</i>								
Steam		71 896	70 795	70 259	70 831	69 000	:	
Gas turbine		8 340	6 444	6 417	6 279	6 246	:	
Combined cycle		-	1 712	1 790	2 729	3 179	:	
Internal combustion		626	833	905	955	955	:	
Nuclear		22 314	22 314	22 329	22 396	22 396	23 403	4.5%
Hydro		8 841	8 854	8 853	8 982	8 859	8 484	-4.2%
<i>among which:</i>								
Pumped storage		4 545	5 857	5 886	4 654	4 562	3 519	-22.9%
Wind		1 966	2 672	4 138	6 095	8 754	12 001	37.1%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
by producer type:								
Public system		101 804	101 728	97 784	108 229	109 047	115 137	5.6%
Autoproducers		12 181	11 898	11 437	10 118	10 422	10 105	-3.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	81 692	82 320p	82 028	85 252	88 842	88 952p	0.1%
<i>among which:</i>								
Hard coal		30 658	32 585	32 781	32 929	32 695	31 652	-3.2%
Lignite and peat		33 219	32 227	32 042	34 746	36 278	37 490	3.3%
Petroleum products		1 318	1 263	1 183	1 107	1 108	1 043	-5.9%
Natural gas		11 758	10 959	11 052	11 095	13 217	13 217	0.0%
Renewables		1 806	2 014	2 081	2 146	2 125	2 122	-0.1%
Heating plants		1 858	1 991	2 007	1 435	1 423	1 429	0.4%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		10	2	-	-	36	35	-1.4%
Petroleum products		524	464	459	219	169	171	1.1%
Natural gas		1 303	1 505	1 505	1 182	1 182	1 182	0.0%
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	9 950	9 950p	9 950p	0p	0p	0p	
<i>among which: in heating plants</i>								
		2 849	2 849p	2 849p	0p	0p	0p	
Heat consumption		8 737	8 737p	8 737p	0p	0p	0p	
<i>of which: in industry</i>								
		1 672	1 672p	1 672p	0p	0p	0p	
<i>in households and services</i>								
		7 065	7 065p	7 065p	0p	0p	0p	
<i>among which: in households</i>								
		4 081	4 081p	4 081p	0p	0p	0p	

4.1 Crude oil and feedstocks


 eurostat		DEUTSCHLAND						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		2 804	2 934	2 746	3 166	3 278	3 509	7.0%
Total imports		100 544	109 379	103 933	103 684	105 171	104 897	-0.3%
Total exports		3 583	1 389	1 741	3 217	1 030	1 322	28.3%
Stock changes		1 918	-2 364	1 660	3 421	-750	-47	93.7%
Refinery intake		112 907	119 039	117 101	118 265	116 365	116 244	-0.1%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		30 953	31 829	28 804	28 547	23 072	20 547	-10.9%
Near and Middle East		7 176	13 521	12 954	13 534	11 714	11 197	-4.4%
Africa		20 710	23 087	21 667	21 295	18 232	18 155	-0.4%
<i>by country of origin:</i>								
Algeria		3 786	5 519	4 188	6 501	3 958	4 231	6.9%
Nigeria		5 031	2 127	1 161	1 983	3 013	2 824	-6.3%
Saudi Arabia		5 928	5 294	4 505	4 568	4 016	3 612	-10.1%
Kuwait		624	827	748	643	109	238	118.3%
United Arab Emirates		48	2	-	-	-	-	-
Norway		21 927	22 220	20 783	18 708	20 969	22 283	6.3%
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	108 050	109 840	111 540	112 940	:	:	
<i>among which:</i>								
Cracking and others		39 400	46 430	47 330	48 500	:	:	
Reforming		16 600	17 000	17 000	17 030	:	:	

4.2 Petroleum products


 eurostat	DEUTSCHLAND						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	111 070	117 200	115 077	116 025	114 292	114 083	-0.2%
<i>among which:</i>							
Motor spirit	25 354	26 222	26 829	26 972	26 021	25 970	-0.2%
Kerosene and jet fuel	3 625	3 699	4 259	4 328	4 206	4 165	-1.0%
Naphtha	8 733	9 638	9 663	9 024	8 495	8 663	2.0%
Gas/diesel oil	45 467	47 821	46 108	46 449	46 943	47 455	1.1%
Residual fuel oil	12 271	13 591	11 873	13 116	13 192	12 183	-7.6%
Total imports	49 302	44 727	40 522	42 171	43 669	36 338	-16.8%
Total exports	12 666	15 190	16 664	18 601	18 495	18 584	0.5%
Bunkers	2 207	2 097	2 139	2 247	2 280	2 445	7.2%
Stock changes	-1 227	-508	2 503	-842	597	2 449	310.2%
Gross inland consumption	33 407	27 149	24 412	20 728	23 806	18 246	-23.4%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	26 199	26 086	23 871	24 955	24 234	19 341	-20.2%
United Kingdom	2 510	1 183	1 346	1 882	2 145	1 570	-26.8%
Norway	1 684	1 215	445	477	541	459	-15.2%
OPEC	667	466	471	408	543	879	61.9%
Imports by product							
<i>among which:</i>							
Motor spirit	9 403	8 760	7 436	8 752	7 838	5 508	-29.7%
Kerosene and jet fuel	3 064	3 010	2 857	3 130	3 396	3 193	-6.0%
Gas/diesel oil	22 621	19 451	17 167	16 058	19 545	14 475	-25.9%
Residual fuel oil	3 748	2 840	2 443	2 903	2 328	2 925	25.6%
Exports by product							
<i>among which:</i>							
Motor spirit	2 947	3 111	4 392	4 611	4 661	4 399	-5.6%
Kerosene and jet fuel	60	74	119	299	517	386	-25.3%
Gas/diesel oil	3 004	3 894	4 324	5 448	5 576	6 242	11.9%
Residual fuel oil	3 656	4 818	4 012	4 397	4 066	3 611	-11.2%
Consumption							
Inputs to electricity plants	1 342	1 293	1 229	1 169	1 163	1 116	-4.0%
Inputs to heating plants	530	468	463	218	168	170	1.2%
Non-energy use	21 774	22 809	22 244	22 732	22 319	21 999	-1.4%
Final energy consumption	103 091	102 269	98 969	95 805	98 561	94 084	-4.5%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	3 197	2 853	2 716	2 413	2 250	2 180	-3.1%
Residual fuel oil	2 944	2 769	2 348	1 925	2 544	2 380	-6.4%

 eurostat	DEUTSCHLAND						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	1 486	1 458	1 188	933	1 125	888	-21.1%
Non-ferrous metals	152	146	137	135	130	122	-6.2%
Chemical industry	253	139	189	70	432	326	-24.5%
Non-met. mineral prod.	1 307	1 379	1 379	1 096	1 059	1 313	24.0%
Food, drink, tobacco	1 026	1 012	834	875	860	690	-19.8%
Pulp, paper and print	409	366	265	212	212	215	1.4%
Engineering & metal	1 103	901	811	728	738	801	8.5%
Other industries	1 281	1 140	1 152	1 093	996	854	-14.3%
Transport	60 293	61 427	63 442	62 468	60 994	60 444	-0.9%
<i>among which:</i>							
Motor spirit	30 028	30 080	30 050	28 607	27 747	26 989	-2.7%
Jet fuel	6 235	6 450	6 818	7 152	6 825	6 800	-0.4%
Diesel oil	23 968	24 834	26 511	26 646	26 360	26 652	1.1%
Services & households etc.	35 479	34 038	29 325	27 980	31 814	28 256	-11.2%
<i>among which:</i>							
Gas oil	33 912	32 610	27 933	26 625	30 588	27 128	-11.3%
Residual fuel oil	149	132	209	146	6	5	-16.7%
Stocks at end of period							
Crude oil and feedstocks	17 400	19 764	18 104	14 683	15 433	15 480	0.3%
Petroleum products	22 708	23 216	20 715	21 557	20 960	18 511	-11.7%


5. Natural gas

 eurostat	DEUTSCHLAND							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		747 980	728 981	777 245	735 038	741 143	743 728	0.3%
Total imports		2 845 235	2 760 192	2 865 234	2 841 697	2 951 423	3 063 709	3.8%
Total exports		139 563	152 992	199 636	196 326	244 115	269 209	10.3%
Stock changes		-106 618	47 160	-93 600	-37 800	68 040	-22 680	-133.3%
Gross inland consumption		3 347 034	3 383 341	3 349 243	3 342 609	3 516 491	3 515 548	0.0%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		1 149 679	1 225 235	1 290 507	1 299 906	1 235 435	1 249 659	1.2%
Algeria		-	-	-	-	-	-	-
Norway		754 943	695 423	720 273	757 969	831 264	964 662	16.0%
Consumption								
Inputs to electricity plants		546 960	509 820	514 157	516 151	614 838	614 838	0.0%
Inputs to heat plants		60 626	70 000	70 000	55 000	55 000	55 000	0.0%
Consumption of energy branch		60 323	44 229	61 584	50 849	49 169	48 288	-1.8%
Distribution losses		15 196	16 000	16 000	-	25 379	6 123	-75.9%
Non-energy use		98 232	100 000	100 000	100 000	100 000	100 000	0.0%
Industry		826 614	839 067	863 601	987 257	866 799	865 590	-0.1%
<i>among which:</i>								
Iron&steel industry		118 132	107 388	112 961	115 241	114 864	114 803	-0.1%
Non-ferrous metals		32 667	37 236	36 403	36 880	38 059	37 965	-0.2%
Chemical industry		213 609	216 242	223 487	235 428	217 593	225 563	3.7%
Non-met. mineral prod.		125 818	133 106	130 808	131 938	121 035	115 651	-4.4%
Food, drink, tobacco		84 656	84 125	91 464	92 428	90 809	99 205	9.2%
Pulp, paper and print		79 493	79 821	90 265	96 359	96 439	92 501	-4.1%
Engineering & metal		94 857	120 885	118 204	116 023	118 155	115 172	-2.5%
Other industries		51 626	34 446	35 531	46 516	45 478	41 267	-9.3%
Transport		-	-	-	-	-	-	-
Services & households etc.		1 577 259	1 576 317	1 553 000	1 568 000	1 641 000	1 641 000	0.0%
<i>among which:</i>								
Households		1 060 556	1 072 232	1 056 000	1 090 000	1 150 000	1 150 000	0.0%
Services		505 273	492 615	486 000	466 000	480 000	480 000	0.0%


6.1 Hard coal


 eurostat	DEUTSCHLAND							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	51 212	47 208	43 848	37 376	30 669	29 209	-4.8%	
Total imports	20 031	22 249	22 678	27 948	33 511	33 125	-1.2%	
Total exports	516	325	212	279	112	227	102.7%	
Stock changes	1 509	4 247	341	3 918	3 270	1 178	-64.0%	
Gross inland consumption	72 236	73 379	66 655	68 963	67 338	63 285	-6.0%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	1 116	838	852	689	827	338	-59.1%	
Poland	3 886	3 703	5 765	6 794	7 394	6 901	-6.7%	
CIS	86	5	299	937	2 220	2 029	-8.6%	
Australia	809	1 860	2 320	3 716	3 221	3 387	5.2%	
South Africa	7 230	5 440	5 765	4 578	5 773	6 798	17.8%	
Colombia	3 711	2 109	2 830	2 719	3 159	2 823	-10.6%	
Consumption								
Inputs to electricity plants	49 008	52 482	52 797	52 971	52 594	50 953	-3.1%	
Inputs to heat plants	-	-	-	-	-	-	-	
Consumption of energy branch	25	21	14	7	6	3	-50.0%	
Industry								
<i>among which:</i>								
Iron&steel industry	2 225	2 437	2 509	2 742	2 511	2 554	1.7%	
Non-ferrous metals	25	19	12	9	15	15	0.0%	
Chemical industry	1 769	886	726	265	716	746	4.2%	
Non-met. mineral prod.	1 685	1 389	1 251	1 348	980	933	-4.8%	
Food, drink, tobacco	177	168	140	98	105	142	35.2%	
Pulp, paper and print	528	470	484	431	410	402	-2.0%	
Engineering & metal	14	-	4	-	1	5	400.0%	
Other industries	40	28	20	10	4	6	50.0%	
Services & households etc.	1 007	397	383	358	404	440	8.9%	
Structural data								
Personnel employed underground (annual mean in 1000's)	50.0	46.0	42.1	35.6	31.0	28.0	-9.7%	
Number of active hard coal mines (end of year)	17	15	15	12	11	11	0.0%	

6.2 Coal derivatives and peat

		DEUTSCHLAND						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels <i>in 1 000 t</i>								
Coke	10 744	10 279	8 568	9 115	7 265	7 226	-0.5%	
Patent Fuel	318	185	169	146	140	124	-11.4%	
Lignite and peat	177 160	166 035	161 282	167 836	175 509	181 923	3.7%	
Brown coal briquettes	6 953	5 601	5 236	5 238	5 139	4 942	-3.8%	
Derived gases <i>in TJ (GCV)</i>								
Coke-oven gas	89 000	89 000p	90 105	88 107	68 136	59 689	-12.4%	
Blast-furnace gas	168 000	160 900	162 393	180 770	167 852	168 827	0.6%	
Gasworks gas	10 000	360	-	-	-	-	-	
Consumption								
Solid fuels <i>in 1 000 t</i>								
Coke	7 712	7 999	7 026	8 281	8 168	7 072	-13.4%	
<i>among which:</i>								
Iron & steel industry	6 571	6 920	6 000	7 260	7 197	6 379	-11.4%	
Services & households	514	469	372	344	331	212	-36.0%	
Patent Fuel	286	222	146	115	89	105	18.0%	
<i>among which:</i>								
Services & households	286	222	146	115	89	105	18.0%	
Lignite and peat	1 034	1 057	812	505	376	361	-4.0%	
<i>among which:</i>								
Industry	914	982	752	445	336	336	0.0%	
Services & households	120	75	60	60	40	25	-37.5%	
Brown coal briquettes	5 844	4 456	4 056	3 868	3 621	3 461	-4.4%	
<i>among which:</i>								
Industry	2 654	2 456	2 414	2 368	2 168	1 977	-8.8%	
Services & households	3 190	2 000	1 642	1 500	1 453	1 484	2.1%	
Total derived gases <i>in TJ (GCV)</i>								
Coke-oven gas	51 000	51 000p	50 426	50 696	45 322	36 553	-19.3%	
Blast-furnace gas	83 000	74 487	77 162	83 221	75 995	74 817	-1.6%	
Gasworks gas	-	-	-	-	-	-	-	
Inputs to electricity plants	69 000	70 413p	76 479	77 176	76 798	76 882	0.1%	
Inputs to heat plants	-	-	1 296	864	786	992	26.2%	
Consumption of energy branch	42 000	42 000p	32 092	38 122	28 414	31 792	11.9%	
Consumption in industry	133 000	124 487p	127 588	133 917	121 317	111 370	-8.2%	

7. Renewable energy sources

		DEUTSCHLAND						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	7 712	8 360	8 637	9 735	9 741	10 605p	8.9%
Hydro (excl. pumping)		1 492	1 511	1 689	1 995	1 758	1 988	13.1%
Wind		261	395	475	804	903	1 363	51.0%
Solar		70	83	78	96	134	151p	12.7%
Geothermal		10	10	10	10	10	10p	0.0%
Biomass		5 880	6 362	6 384	6 830	6 935	7 093	2.3%
	<i>among which:</i>							
Wood, wood-waste		4 190	4 547	4 472	4 708	4 559	4 556p	-0.1%
Municipal solid waste		1 226	1 339	1 444	1 362	1 433	1 433p	0.0%
Biogas		391	395	363	557	659	657p	-0.3%
Gross inland consumption		7 712	8 360	8 637	9 735	9 741	10 605p	8.9%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		1 806	2 014	2 081	2 146	2 125	2 122	-0.1%
	<i>among which:</i>							
Wood, wood-waste		275	391	390	346	174	173p	-0.3%
Municipal waste		1 226	1 339	1 444	1 362	1 433	1 433p	0.0%
Biogas		305	284	247	439	517	516p	-0.3%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	4 152	4 437	4 388	4 785	4 950	5 109p	3.2%
	<i>by sector:</i>							
Industry		326	451	452	453	476	475	-0.1%
Services & households etc.		3 753	3 905	3 830	4 128	4 190	4 187p	-0.1%
Transport		73	81	106	203	284	447	57.1%
	<i>by source:</i>							
Biomass		4 074	4 348	4 303	4 684	4 811	4 970	3.3%
	<i>among which:</i>							
Wood, wood-waste		3 915	4 156	4 082	4 362	4 385	4 383p	-0.1%
Municipal waste		-	-	-	-	-	-	-
Biogas		86	111	115	119	141	141p	-0.4%
Geothermal		10	10	10	10	10	10p	0.0%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		17	35	30	60	150	188p	25.3%
Hydro with installed capacity < 1 MW		1 643	1 849	2 019	1 802	2 208	2 800p	26.8%
Hydro with installed capacity > 1 & <10 MW		5 129	4 428	5 007	6 197	5 426	5 794p	6.8%
Hydro with installed capacity > 10 MW		11 696	11 295	12 620	16 926	14 517	14 530p	0.1%
Wood, Wood-waste		505	677	823	804	639	543p	-15.0%
Municipal waste		2 123	3 235	3 479	3 688	3 717	3 898p	4.9%
Biogas		751	763	949	1 683	894	3 247p	263.2%

	DEUTSCHLAND						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	25	49	40	80p	195	260p	33.3%
Hydro with installed capacity < 1 MW	463	536	534	534	534	555p	3.9%
Hydro with installed capacity > 1 & <10 MW	907	882	870	887	887	887p	0.0%
Hydro with installed capacity > 10 MW	2 012	2 025	1 980	3 047	3 410	3 410p	0.0%
Wood, Wood-waste	84	103	127	129	129p	285p	120.9%
Municipal waste	527	540	555	585	585	585p	0.0%
Biogas	229	229	287	345	417	580p	39.1%
Liquid biofuels							
Production	<i>1000 t</i>						
	90	100	130	250	350	550	57.1%
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	2 166	2 535	2 500	2 500	3 800	4 750	25.0%

1. Energy economy

Key figures and energy indicators

		EESTI					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	3 632	3 243	2 976	3 168	3 420	3 620
Net energy imports		1 878	2 036	1 884	1 486	1 656	1 485
Net oil imports		1 120	1 229	1 100	626	812	890
Net gas imports		562	592	576	662	710	596
Gross inland energy consumption		5 513	5 224	4 881	4 572	5 097	4 963
Final energy consumption		2 962	2 609	2 355	2 362	2 516	2 586
Industry		749	658	496	528	582	524
Transport		684	576	579	577	650	679
Services and households etc.		1 530	1 376	1 280	1 256	1 283	1 383
Gross electricity generation	GWh	9 217	8 520	8 267	8 512	8 483	8 526
Final electricity consumption		5 146	5 119	4 763	4 969	5 134	5 272
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	3 179	3 325	3 304	3 546	3 774	4 000
Population	1000 per.	1 400	1 386	1 376	1 370	1 364	1 359
Industry added value	Mio EUR	869	919	875	997	1 072	1 229
Total imports (current prices)	Mio EUR	3 034	3 408	3 230	4 143	4 229	4 386
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	1 734.3	1 571.0	1 477.3	1 289.6	1 350.4	1 240.6
Final energy consumption / GDP(95)		931.9	784.7	712.8	666.1	666.5	646.4
Energy intensity of industry:							
Final consumption / gross value-added mp		861.3	715.9	566.6	529.6	543.3	425.8
Energy intensity of service sector:							
Final consumption / gross value-added mp		131.7	124.1	131.0	125.1	122.8	132.7
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 939	3 769	3 548	3 339	3 737	3 653
Final energy consumption / capita		2 117	1 882	1 712	1 725	1 844	1 903
Household consumption / capita		857	753	696	678	688	702
Electricity consumption / capita	kWh/cap.	5 889	5 862	5 573	5 533	5 758	5 763
Energy dependency							
Net energy imports / Gross consumption	in %	33.5	38.2	37.4	31.8	31.9	29.2
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	53.7	49.9	48.3	51.7	49.4	52.1
Efficiency of thermal power stations		41.6	38.5	38.9	40.4	40.3	42.4

2. Energy balance

Principal aggregates by product

in 1 000 toe	EESTI						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	3 632	3 243	2 976	3 168	3 420	3 620	5.9%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	3 045	2 731	2 467	2 667	2 618	2 806	7.2%
Crude oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	0	0	0	0	1	1	-14.3%
Biomass	587	511	509	500	550	542	-1.5%
Imports							
Total	2 108	2 224	2 073	1 770	1 950	1 851	-5.1%
<i>among which:</i> Hard coal	28	51	53	64	54	39	-28.6%
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	1 195	1 307	1 164	760	935	1 043	11.6%
Natural Gas	562	592	576	662	710	596	-16.1%
Electricity	18	12	12	22	23	35	53.2%
Exports							
Total	230	188	189	284	294	366	24.5%
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	76	78	64	134	122	153	24.9%
Natural gas	-	-	-	-	-	-	-
Electricity	102	45	63	102	77	95	23.7%
Gross inland consumption							
Total	5 513	5 224	4 881	4 572	5 097	4 963	-2.6%
<i>among which:</i> Solid fuels	3 369	3 064	2 826	2 979	2 908	2 837	-2.4%
Crude oil and petrol. prod.	1 076	1 094	1 023	510	993	1 066	7.4%
Natural gas	562	592	576	662	710	596	-16.1%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	591	507	508	501	539	523	-3.0%
Transformation input							
Total	3 425	3 294	3 119	3 110	3 142	3 039	-3.3%
<i>among which:</i> Crude oil and feedstocks	1	1	1	1	1	1	0.0%
Petroleum products	299	307	288	127	107	111	3.8%
Hard coal	16	11	11	7	3	4	24.7%
Lignite and peat	2 711	2 584	2 393	2 440	2 463	2 348	-4.7%
Renewables	78	90	92	87	104	106	2.0%
Transformation output							
Total	1 777	1 569	1 509	1 507	1 530	1 559	1.9%
<i>among which:</i> Electricity	792	732	710	731	729	733	0.5%
Heat	778	695	687	635	634	644	1.5%

	EESTI						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>							
Final energy consumption							
Total	2 962	2 609	2 355	2 362	2 516	2 586	2.8%
<i>among which:</i> Solid fuels	148	131	100	117	135	89	-34.1%
Petroleum products	1 015	856	755	748	836	932	11.6%
Natural Gas	127	154	116	134	167	180	7.8%
Renewables	509	416	415	424	434	416	-4.2%
Electricity	442	440	410	427	441	453	2.7%
Final energy consumption by sector							
Industry							
Total	749	658	496	528	582	524	-10.1%
<i>among which:</i> Solid fuels	81	87	54	79	104	54	-48.0%
Petroleum Products	196	148	104	89	93	83	-10.3%
Natural Gas	86	100	63	79	101	91	-10.3%
Renewables	56	63	71	79	89	89	0.0%
Electricity	190	165	157	157	156	162	3.8%
Transport							
Total	684	576	579	577	650	679	4.4%
<i>among which:</i> Motor spirit	319	308	296	295	324	322	-0.6%
Diesel oil	332	244	258	255	303	329	8.7%
Jet fuel	21	13	17	20	16	20	18.7%
Electricity	9	9	8	8	7	8	15.5%
Services&households							
Total	1 530	1 376	1 280	1 256	1 283	1 383	7.8%
<i>among which:</i> Solid fuels	66	43	47	37	31	35	12.9%
Gas oil	107	100	50	55	51	129	152.9%
Natural Gas	41	55	53	55	66	90	35.3%
Renewables	453	353	344	345	346	328	-5.2%
Electricity	243	266	244	262	278	283	1.7%
Heat	581	516	513	468	462	469	1.5%

3.1 Electricity balance

	EESTI							
	in GWh	1997	1998	1999	2000	2001	2002	02/01
Generation								
Total gross generation		9 217	8 520	8 267	8 512	8 483	8 526	0.5%
<i>among which:</i>								
Hydro		2	4	4	5	7	6	-14.3%
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Nuclear		-	-	-	-	-	-	-
Conventional thermal		9 215	8 516	8 263	8 507	8 476	8 520	0.5%
<i>of which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		8 788	7 958	7 646	7 678	7 656	7 748	1.2%
Petroleum products		178	259	297	57	41	29	-29.3%
Natural gas		241	287	308	759	768	713	-7.2%
Derived gases		-	-	-	-	-	-	-
Biomass		8	12	12	13	10	30	200.0%
Industrial wastes		-	-	-	-	1	-	-
Total net generation		8 157	7 537	7 351	7 590	7 590	7 597	0.1%
Imports and exports								
Total imports		210	138	138	258	269	412	53.2%
Total exports		1 184	528	734	1 187	891	1 102	23.7%
Consumption and losses								
Consumption of the energy branch		1 588	1 444	1 439	1 375	1 367	1 308	-4.3%
<i>of which:</i>								
Consumption for pumped-storage		-	-	-	-	-	-	-
Network losses		1 510	1 568	1 470	1 240	1 361	1 257	-7.6%
Final energy consumption		5 146	5 119	4 763	4 969	5 134	5 272	2.7%
<i>of which:</i>								
Industry		2 208	1 919	1 828	1 831	1 814	1 883	3.8%
<i>among which:</i>								
Iron&steel industry		7	4	4	4	4	4	0.0%
Non-ferrous metals		-	-	-	1	3	3	0.0%
Chemical industry		613	418	406	311	307	282	-8.1%
Non-met. mineral prod.		259	171	150	151	166	172	3.6%
Food, drink, tobacco		349	302	263	267	287	292	1.7%
Pulp, paper and print		85	96	97	104	109	130	19.3%
Engineering & metal		213	228	179	181	162	196	21.0%
Other industries		452	456	471	503	512	550	7.4%
Transport		108	108	92	91	84	97	15.5%
Services & households etc.		2 830	3 092	2 843	3 047	3 236	3 292	1.7%
<i>among which:</i>								
Households		1 205	1 349	1 363	1 466	1 585	1 584	-0.1%

3.2 Electrical capacity, fuel inputs and heat

		EESTI						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	2 721	2 623	2 613	2 545	2 223	2 180	-1.9%
<i>by source:</i>								
Conventional thermal		2 721	2 623	2 613	2 545	2 223	2 180	-1.9%
<i>of which:</i>								
Steam		2 715	2 613	2 600	2 538	2 217	2 169	-2.2%
Gas turbine		-	-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-	-
Internal combustion		6	8	7	1	6	11	83.3%
Nuclear		-	-	-	-	-	-	-
Hydro		-	-	-	-	-	-	-
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		2 700	2 598	2 589	2 521	2 200	2 160	-1.8%
Autoproducers		22	26	25	25	24	24	0.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	2 517	2 519	2 418	2 438	2 452	2 301	-6.1%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		2 386	2 333	2 214	2 199	2 205	2 056	-6.8%
Petroleum products		58	87	102	12	11	10	-16.7%
Natural gas		38	74	65	173	172	152	-11.3%
Renewables		3	3	2	2	3	5	71.2%
Heating plants		635	564	556	464	445	479	7.7%
<i>among which:</i>								
Hard coal		16	11	11	7	3	4	24.7%
Lignite and peat		52	41	35	35	14	35	142.5%
Petroleum products		240	220	186	115	96	102	6.3%
Natural gas		248	198	227	203	209	229	9.2%
Renewables		75	87	90	85	101	101	0.2%
Heat production and consumption								
Total heat production	TJ	778	695	687	635	634	644	1.5%
<i>among which: in heating plants</i>								
		523	458	458	382	375	402	7.2%
Heat consumption		645	567	559	511	502	514	2.4%
<i>of which: in industry</i>								
		64	51	46	44	40	45	12.8%
<i>in households and services</i>								
		581	516	513	468	462	469	1.5%
<i>among which: in households</i>								
		505	454	412	376	397	393	-0.9%

4.1 Crude oil and feedstocks

		EESTI						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		-	-	-	-	-	-	-
Total exports		-	-	-	-	-	-	-
Stock changes		-	-	-	-	-	-	-
Refinery intake		1	1	1	1	1	1	0.0%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	EESTI						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	1	1	1	1	1	1	0.0%
<i>among which:</i>							
Motor spirit	-	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-	-
Residual fuel oil	1	1	1	1	1	1	0.0%
Total imports	1 198	1 313	1 166	755	922	1 035	12.3%
Total exports	80	82	68	140	128	160	25.0%
Bunkers	102	108	168	107	102	120	17.6%
Stock changes	55	-32	80	-12	27	22	-18.5%
Gross inland consumption	1 072	1 091	1 021	498	984	1 062	7.9%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
OPEC	-	-	-	-	-	-	-
Imports by product							
<i>among which:</i>							
Motor spirit	289	285	287	188	301	276	-8.3%
Kerosene and jet fuel	27	18	19	22	14	19	35.7%
Gas/diesel oil	408	449	407	342	435	523	20.2%
Residual fuel oil	365	444	351	154	125	129	3.2%
Exports by product							
<i>among which:</i>							
Motor spirit	-	-	-	-	-	-	-
Kerosene and jet fuel	9	5	1	1	-	-	-
Gas/diesel oil	-	-	-	-	-	-	-
Residual fuel oil	10	10	10	137	127	160	26.0%
Consumption							
Inputs to electricity plants	61	91	107	12	12	10	-16.7%
Inputs to heating plants	251	230	194	120	100	105	5.0%
Non-energy use	43	46	48	48	44	68	54.5%
Final energy consumption	1 001	842	740	732	819	915	11.7%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	47	43	30	35	34	32	-5.9%
Residual fuel oil	153	105	75	54	59	50	-15.3%

	EESTI						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Industry							
<i>among which by sector:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	25	1	1	1	-	-	-
Non-met. mineral prod.	4	6	4	6	10	4	-60.0%
Food, drink, tobacco	87	68	45	34	32	31	-3.1%
Pulp, paper and print	20	22	4	2	19	1	-94.7%
Engineering & metal	3	4	5	4	4	3	-25.0%
Other industries	57	46	42	38	24	38	58.3%
Transport	654	548	554	552	624	651	4.3%
<i>among which:</i>							
Motor spirit	304	293	282	281	308	306	-0.6%
Jet fuel	20	13	17	19	16	19	18.8%
Diesel oil	329	242	255	252	300	326	8.7%
Services & households etc.	145	142	79	89	100	179	79.0%
<i>among which:</i>							
Gas oil	106	99	49	54	50	128	156.0%
Residual fuel oil	31	33	22	27	41	46	12.2%
Stocks at end of period							
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	EESTI						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	26 134	27 560	26 790	30 797	33 050	27 714	-16.1%
Total exports	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-
Gross inland consumption	26 134	27 560	26 790	30 797	33 050	27 714	-16.1%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	1 759	3 440	3 044	8 061	7 991	7 091	-11.3%
Inputs to heat plants	11 539	9 209	10 550	9 460	9 745	10 645	9.2%
Consumption of energy branch	23	24	362	407	373	257	-31.1%
Distribution losses	48	31	-	-	-	-	-
Non-energy use	6 850	7 680	7 424	6 598	7 116	1 321	-81.4%
Industry	4 006	4 635	2 945	3 691	4 695	4 212	-10.3%
<i>among which:</i>							
Iron&steel industry	-	-	-	4	-	7	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	723	1 293	15	89	75	56	-25.3%
Non-met. mineral prod.	834	919	768	775	1 155	735	-36.4%
Food, drink, tobacco	1 126	1 169	1 115	1 227	1 341	1 235	-7.9%
Pulp, paper and print	641	304	194	619	633	637	0.6%
Engineering & metal	116	233	130	135	149	229	53.7%
Other industries	405	462	488	518	671	743	10.7%
Transport	-	-	-	-	-	-	-
Services & households etc.	1 909	2 541	2 445	2 565	3 092	4 183	35.3%
<i>among which:</i>							
Households	1 529	2 020	1 930	1 950	1 937	1 714	-11.5%
Services	250	299	394	496	969	2 280	135.3%

6.1 Hard coal

<i>in 1 000 t</i>	EESTI						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	48	87	88	101	84	60	-28.6%
Total exports	-	7	2	-	-	-	-
Stock changes	50	-5	-7	-14	25	1	-96.0%
Gross inland consumption	98	75	79	87	109	61	-44.0%
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	27	18	19	11	6	6	0.0%
Consumption of energy branch	-	-	-	-	-	-	-
Industry	10	11	9	39	69	15	-78.3%
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	6	7	7	37	67	13	-80.6%
Food, drink, tobacco	2	1	1	1	1	1	0.0%
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	-	1	-	-	-	1	-
Other industries	1	1	1	1	1	-	-
Services & households etc.	59	45	50	38	35	39	11.4%
Structural data							
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		EESTI						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		42	27	16	23	26	30	15.4%
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		14 016	12 621	11 262	12 073	12 186	13 082	7.4%
Brown coal briquettes		129	101	106	86	113	128	13.3%
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		5 313	3 416	2 238	3 833	4 348	4 642	6.8%
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		1	1	1	2	4	1	-75.0%
<i>among which:</i>								
Iron & steel industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		361	387	236	234	265	206	-22.3%
<i>among which:</i>								
Industry		349	377	230	229	262	202	-22.9%
Services & households		12	10	6	5	3	4	33.3%
Brown coal briquettes		63	31	32	29	17	18	5.9%
<i>among which:</i>								
Industry		3	-	-	1	1	-	-
Services & households		60	31	32	28	16	18	12.5%
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		3 550	2 035	16	-	-	-	-
Inputs to electricity plants		1 455	1 025	1 576	2 432	2 826	3 669	29.8%
Inputs to heat plants		172	296	328	875	984	396	-59.8%
Consumption of energy branch		-	-	318	532	538	567	5.4%
Consumption in industry		3 550	2 035	16	-	-	-	-


7. Renewable energy sources

		EESTI						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	587	512	509	500	551	543	-1.5%
Hydro (excl. pumping)		0	0	0	0	1	1	-14.3%
Wind		-	-	-	-	-	-	-
Solar		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Biomass		587	511	509	500	550	542	-1.5%
	<i>among which:</i>							
Wood, wood-waste		585	510	507	492	548	540	-1.5%
Municipal solid waste		-	-	-	-	-	-	-
Biogas		1	2	3	2	2	2	6.1%
Gross inland consumption		591	507	508	501	539	523	-3.0%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		78	90	92	87	104	106	2.0%
	<i>among which:</i>							
Wood, wood-waste		78	88	89	85	102	104	2.0%
Municipal waste		-	-	-	-	-	-	-
Biogas		1	2	3	2	2	2	6.1%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	509	416	415	424	434	416	-4.2%
	<i>by sector:</i>							
Industry		56	63	71	79	89	89	0.0%
Services & households etc.		453	353	344	345	346	328	-5.2%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		509	416	415	424	434	416	-4.2%
	<i>among which:</i>							
Wood, wood-waste		509	416	415	424	434	416	-4.2%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	:	5	7	6	-14.3%
Hydro with installed capacity > 1 & <10 MW		:	:	:	-	-	-	-
Hydro with installed capacity > 10 MW		:	:	:	-	-	-	-
Wood, Wood-waste		:	:	:	13	10	23	130.0%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-

	EESTI						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW	:	:	:	2	2	3	50.0%
Hydro with installed capacity > 1 & <10 MW	:	:	:	-	-	-	-
Hydro with installed capacity > 10 MW	:	:	:	-	-	-	-
Wood, Wood-waste	-	-	-	-	-	-	-
Municipal waste	-	-	-	-	-	-	-
Biogas	-	-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	-	-	-	-	-	-	-


1. Energy economy

Key figures and energy indicators

		ELLADA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	9 924	10 038	9 463	9 946	9 942	10 541
Net energy imports		19 196	21 106	19 744	21 982	22 322	23 214
Net oil imports		18 106	19 429	17 782	19 527	19 581	20 569
Net gas imports		129	690	1 216	1 689	1 670	1 755
Gross inland energy consumption		25 585	26 875	26 759	28 076	28 937	29 736
Final energy consumption		17 257	18 159	18 157	18 508	19 112	19 497
Industry		4 339	4 421	4 154	4 432	4 496	4 458
Transport		6 726	7 292	7 453	7 196	7 363	7 460
Services and households etc.		6 192	6 446	6 549	6 880	7 253	7 579
Gross electricity generation	GWh	43 507	46 332	49 860	53 843	53 704	54 608
Final electricity consumption		37 074	39 315	40 879	43 151	44 535	46 564
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	95 355	98 563	101 933	106 469	110 770	115 046
Population	1000 per.	10 777	10 835	10 883	10 917	10 960	11 003
Industry added value	Mio EUR	18 779	20 141	20 598	21 715	23 002	23 655
Total imports (current prices)	Mio EUR	27 386	29 917	34 416	37 475	36 214	34 506
among which:							
All energy commodities		1 831	1 986	1 579	4 398	5 005	4 590
Oil products		1 708	1 837	1 434	4 102	4 618	4 220
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	268.3	272.7	262.5	263.7	261.2	258.5
Final energy consumption / GDP(95)		181.0	184.2	178.1	173.8	172.5	169.5
Energy intensity of industry:							
Final consumption / gross value-added mp		231.1	219.5	201.7	204.1	195.5	188.5
Energy intensity of service sector:							
Final consumption / gross value-added mp		18.1	19.1	19.7	19.5	20.9	21.0
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 374	2 480	2 459	2 572	2 640	2 703
Final energy consumption / capita		1 601	1 676	1 668	1 695	1 744	1 772
Household consumption / capita		376	386	388	409	427	445
Electricity consumption / capita	kWh/cap.	3 866	4 061	4 117	4 513	4 810	4 852
Energy dependency							
Net energy imports / Gross consumption	in %	66.9	69.6	66.1	69.5	68.9	70.7
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	67.4	67.6	67.9	65.9	66.0	65.6
Efficiency of thermal power stations		33.7	35.4	38.7	36.8	37.4	35.9

2. Energy balance

Principal aggregates by product

 eurostat	ELLADA						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	9 924	10 038	9 463	9 946	9 942	10 541	6.0%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	8 073	8 353	8 003	8 222	8 392	8 914	6.2%
Crude oil	466	316	16	280	191	189	-1.1%
Natural Gas	45	40	3	42	40	42	5.5%
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	334	320	416	318	180	241	33.5%
Biomass	911	908	913	946	970	996	2.6%
Imports							
Total	23 096	24 443	23 690	26 249	26 334	27 568	4.7%
<i>among which:</i> Hard coal	790	893	782	809	885	644	-27.3%
Crude oil and feedstocks	18 611	19 280	17 347	20 439	20 132	20 645	2.5%
Petroleum products	3 295	3 363	4 188	3 164	3 337	4 127	23.7%
Natural Gas	129	690	1 216	1 689	1 670	1 755	5.1%
Electricity	258	215	156	149	306	396	29.2%
Exports							
Total	3 901	3 337	3 945	4 267	4 012	4 354	8.5%
<i>among which:</i> Crude oil and feedstocks	214	-	116	-	-	387	-
Petroleum products	3 586	3 214	3 636	4 077	3 889	3 815	-1.9%
Natural gas	-	-	-	-	-	-	-
Electricity	61	77	142	150	91	147	60.6%
Gross inland consumption							
Total	25 585	26 875	26 759	28 076	28 937	29 736	2.8%
<i>among which:</i> Solid fuels	8 817	9 156	8 524	9 040	9 308	9 336	0.3%
Crude oil and petrol. prod.	15 061	15 527	15 562	15 929	16 413	16 954	3.3%
Natural gas	171	725	1 218	1 705	1 683	1 801	7.0%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	1 340	1 329	1 442	1 403	1 318	1 396	5.9%
Transformation input							
Total	30 905	31 544	29 059	34 030	33 308	33 695	1.2%
<i>among which:</i> Crude oil and feedstocks	20 808	21 221	19 063	22 404	21 666	21 477	-0.9%
Petroleum products	1 985	1 918	1 877	2 036	1 868	1 937	3.7%
Hard coal	65	11	3	4	1	6	400.0%
Lignite and peat	7 978	8 040	7 248	8 252	8 476	8 880	4.8%
Renewables	-	-	2	0	31	47	49.8%
Transformation output							
Total	24 161	24 811	22 877	26 632	25 951	25 815	-0.5%
<i>among which:</i> Electricity	3 386	3 645	3 838	4 237	4 318	4 342	0.5%
Heat	-	-	26	28	28	28	-2.0%

Final energy consumption

Total	17 257	18 159	18 157	18 508	19 112	19 497	2.0%
<i>among which:</i> Solid fuels	964	964	770	888	903	746	-17.4%
Petroleum products	12 023	12 669	12 634	12 584	12 992	13 321	2.5%
Natural Gas	33	142	201	252	317	345	8.8%
Renewables	911	908	911	946	939	949	1.1%
Electricity	3 188	3 380	3 515	3 710	3 829	4 004	4.6%

Final energy consumption by sector
Industry

Total	4 339	4 421	4 154	4 432	4 496	4 458	-0.9%
<i>among which:</i> Solid fuels	909	917	734	852	870	721	-17.0%
Petroleum Products	2 091	2 060	1 913	1 935	1 913	1 966	2.8%
Natural Gas	33	129	190	239	294	309	5.1%
Renewables	209	205	208	241	236	246	4.2%
Electricity	1 058	1 110	1 109	1 165	1 183	1 215	2.7%


Transport

Total	6 726	7 292	7 453	7 196	7 363	7 460	1.3%
<i>among which:</i> Motor spirit	3 137	3 264	3 326	3 394	3 506	3 671	4.7%
Diesel oil	2 031	2 268	2 240	2 216	2 304	2 319	0.7%
Jet fuel	1 187	1 201	1 284	1 325	1 191	1 154	-3.1%
Electricity	14	15	17	20	18	19	3.7%


Services&households

Total	6 192	6 446	6 549	6 880	7 253	7 579	4.5%
<i>among which:</i> Solid fuels	54	48	36	35	33	25	-26.3%
Gas oil	2 992	3 116	3 087	3 287	3 546	3 756	5.9%
Natural Gas	-	13	11	13	17	27	53.5%
Renewables	702	703	702	705	703	704	0.0%
Electricity	2 115	2 255	2 389	2 526	2 628	2 770	5.4%
Heat	-	-	26	28	28	28	-2.0%


3.1 Electricity balance

 eurostat	ELLADA						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	43 507	46 332	49 860	53 843	53 704	54 608	1.7%
<i>among which:</i>							
Hydro	4 096	3 866	5 058	4 111	2 725	3 463	27.1%
Wind	37	73	162	451	756	651	-13.9%
Geothermal	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Conventional thermal	39 374	42 393	44 640	49 281	50 223	50 494	0.5%
<i>of which:</i>							
Hard coal	282	45	12	14	6	20	233.3%
Lignite and peat	30 347	32 397	32 369	34 299	35 425	34 546	-2.5%
Petroleum products	8 299	8 078	8 157	8 885	8 477	8 633	1.8%
Natural gas	332	1 713	3 907	5 920	6 133	7 061	15.1%
Derived gases	-	-	-	-	-	-	-
Biomass	-	-	-	-	-	-	-
Industrial wastes	114	160	195	163	182	234	28.6%
Total net generation	40 158	42 757	46 021	49 863	49 730	50 608	1.8%
Imports and exports							
Total imports	3 003	2 500	1 811	1 729	3 562	4 602	29.2%
Total exports	709	890	1 647	1 740	1 062	1 706	60.6%
Consumption and losses							
Consumption of the energy branch	5 102	5 305	5 596	5 990	6 090	6 263	2.8%
<i>of which:</i>							
Consumption for pumped-storage	91	63	101	179	269	283	5.2%
Network losses	3 271	3 173	3 334	4 273	4 951	4 014	-18.9%
Final energy consumption	37 074	39 315	40 879	43 151	44 535	46 564	4.6%
<i>of which:</i>							
Industry	12 307	12 908	12 900	13 547	13 762	14 130	2.7%
<i>among which:</i>							
Iron&steel industry	833	868	821	975	1 101	1 416	28.6%
Non-ferrous metals	3 300	3 446	3 520	3 861	3 898	3 929	0.8%
Chemical industry	1 162	1 246	1 221	1 212	1 094	1 154	5.5%
Non-met. mineral prod.	1 947	2 016	1 979	2 068	2 063	2 049	-0.7%
Food, drink, tobacco	1 017	1 041	1 107	1 210	1 231	1 285	4.4%
Pulp, paper and print	458	444	475	512	491	473	-3.7%
Engineering & metal	663	713	754	790	785	808	2.9%
Other industries	1 800	1 877	1 791	1 647	1 833	1 775	-3.2%
Transport	167	180	197	227	214	222	3.7%
Services & households etc.	24 600	26 227	27 782	29 377	30 559	32 212	5.4%
<i>among which:</i>							
Households	12 423	12 786	13 484	14 207	14 546	15 775	8.4%


3.2 Electrical capacity, fuel inputs and heat


	ELLADA							
	1997	1998	1999	2000	2001	2002	02/01	
Net electrical capacity								
Total installed capacity	MW	9 574	10 016	10 905	10 903	10 969	11 553	5.3%
<i>by source:</i>								
Conventional thermal		6 818	7 120	7 692	7 605	7 623	8 188	7.4%
<i>of which:</i>								
Steam		5 767	6 006	5 965	5 806	5 826	5 826	0.0%
Gas turbine		229	370	370	323	375	434	15.7%
Combined cycle		373	373	922	918	916	1 391	51.9%
Internal combustion		449	371	435	558	506	537	6.1%
Nuclear		-	-	-	-	-	-	-
Hydro		2 727	2 856	3 102	3 072	3 076	3 078	0.1%
<i>among which:</i>								
Pumped storage		315	615	615	699	699	699	0.0%
Wind		27	38	109	226	270	287	6.3%
Geothermal		2	2	2	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		9 353	9 784	10 623	10 690	10 772	11 356	5.4%
Autoproducers		222	233	282	213	218	218	0.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	10 054	10 290	9 979	11 595	11 608	12 174	4.9%
<i>among which:</i>								
Hard coal		65	11	3	4	1	6	400.0%
Lignite and peat		7 955	8 022	7 231	8 222	8 442	8 836	4.7%
Petroleum products		1 964	1 905	1 877	2 036	1 868	1 937	3.7%
Natural gas		70	352	867	1 334	1 265	1 348	6.5%
Renewables		-	-	2	0	31	47	49.8%
Heating plants		-	-	0	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	0	-	-	-	-
Heat production and consumption								
Total heat production	TJ	-	-	26	28	28	28	-2.0%
<i>among which: in heating plants</i>								
Heat consumption		-	-	26	28	28	28	-2.0%
<i>of which: in industry</i>								
in households and services		-	-	26	28	28	28	-2.0%
<i>among which: in households</i>								
		-	-	26	28	28	28	-2.0%

4.1 Crude oil and feedstocks


 eurostat	in 1 000 t	ELLADA						
		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		465	315	16	279	191	189	-1.0%
Total imports		18 550	19 206	17 287	20 383	20 081	20 605	2.6%
Total exports		213	-	116	-	-	387	
Stock changes		-97	-290	187	-104	-150	-311	107.3%
Refinery intake		20 717	21 118	18 979	22 320	21 595	21 416	-0.8%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		15 310	17 436	14 970	15 122	13 164	9 686	-26.4%
Near and Middle East		13 814	16 140	13 787	13 866	11 953	8 748	-26.8%
Africa		99	1 376	1 322	1 256	1 211	1 234	1.9%
<i>by country of origin:</i>								
Algeria		-	-	-	65	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		5 382	7 045	5 347	5 821	5 268	5 128	-2.7%
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	1 000 t/year	19 575	19 290	20 140	20 440	:	:	
<i>among which:</i>								
Cracking and others		7 300	8 560	9 870	9 890	:	:	
Reforming		2 200	2 220	2 330	2 360	:	:	

4.2 Petroleum products


 eurostat	ELLADA							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output	20 624	21 026	18 894	22 231	21 483	21 319	-0.8%	
<i>among which:</i>								
Motor spirit	3 607	3 671	3 205	3 758	3 770	3 802	0.8%	
Kerosene and jet fuel	1 972	1 995	1 908	2 116	1 803	1 731	-4.0%	
Naphtha	970	932	880	1 036	881	795	-9.8%	
Gas/diesel oil	5 144	5 544	4 866	5 647	5 452	5 624	3.2%	
Residual fuel oil	7 149	6 959	6 326	7 510	7 361	7 188	-2.4%	
Total imports	3 401	3 389	4 208	3 255	3 397	4 200	23.6%	
Total exports	3 518	3 120	3 540	3 944	3 779	3 723	-1.5%	
Bunkers	3 218	3 582	3 190	3 686	3 584	3 222	-10.1%	
Stock changes	-316	-421	665	-242	263	-505	-292.0%	
Gross inland consumption	-3 651	-3 734	-1 857	-4 617	-3 703	-3 110	16.0%	
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands	3	15	109	196	19	136	615.8%	
United Kingdom	10	76	73	17	28	59	110.7%	
Norway	-	-	-	-	-	-	-	
OPEC	150	-	761	491	464	358	-22.8%	
Imports by product								
<i>among which:</i>								
Motor spirit	45	152	477	415	116	514	343.1%	
Kerosene and jet fuel	81	62	306	97	261	31	-88.1%	
Gas/diesel oil	2 292	2 539	2 738	2 013	2 435	2 993	22.9%	
Residual fuel oil	435	411	298	174	169	36	-78.7%	
Exports by product								
<i>among which:</i>								
Motor spirit	556	645	653	1 011	678	809	19.3%	
Kerosene and jet fuel	854	829	930	755	965	523	-45.8%	
Gas/diesel oil	185	284	586	576	794	891	12.2%	
Residual fuel oil	696	196	280	220	255	564	121.2%	
Consumption								
Inputs to electricity plants	2 017	1 955	1 945	2 109	1 934	2 001	3.5%	
Inputs to heating plants	-	-	-	-	-	-	-	
Non-energy use	508	443	451	640	685	737	7.6%	
Final energy consumption	11 869	12 510	12 480	12 407	12 824	13 165	2.7%	
Industry								
<i>among which by product:</i>								
Gas/diesel oil	500	525	560	504	500	500	0.0%	
Residual fuel oil	1 045	928	769	882	830	847	2.0%	

 eurostat	ELLADA						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	39	46	49	51	52	53	1.9%
Non-ferrous metals	220	249	325	272	272	277	1.8%
Chemical industry	196	242	149	155	146	139	-4.8%
Non-met. mineral prod.	537	428	412	465	506	570	12.6%
Food, drink, tobacco	281	310	264	290	272	270	-0.7%
Pulp, paper and print	109	93	98	113	98	97	-1.0%
Engineering & metal	24	32	33	35	34	34	0.0%
Other industries	515	529	471	424	432	442	2.3%
Transport	6 519	7 085	7 243	6 964	7 127	7 210	1.2%
<i>among which:</i>							
Motor spirit	2 985	3 106	3 165	3 230	3 336	3 493	4.7%
Jet fuel	1 156	1 169	1 250	1 290	1 160	1 124	-3.1%
Diesel oil	2 010	2 245	2 217	2 193	2 280	2 295	0.7%
Services & households etc.	3 176	3 287	3 242	3 428	3 694	3 878	5.0%
<i>among which:</i>							
Gas oil	2 961	3 084	3 055	3 253	3 510	3 718	5.9%
Residual fuel oil	28	28	28	28	34	35	2.9%
Stocks at end of period							
Crude oil and feedstocks	1 223	1 618	1 431	1 535	1 685	1 996	18.5%
Petroleum products	1 971	2 707	2 042	2 284	2 021	2 526	25.0%


5. Natural gas

 eurostat	ELLADA							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		2 088	1 874	117	1 968	1 870	1 973	5.5%
Total imports		6 017	32 111	56 575	78 551	77 680	81 622	5.1%
Total exports		-	-	-	-	-	-	-
Stock changes		-150	-238	-32	-1 224	-1 255	192	115.3%
Gross inland consumption		7 955	33 747	56 660	79 295	78 295	83 787	7.0%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		6 017	32 111	56 575	58 257	57 470	61 255	6.6%
Algeria		-	-	-	20 294	20 210	20 367	0.8%
Norway		-	-	-	-	-	-	-
Consumption								
Inputs to electricity plants		3 266	16 398	40 311	62 035	58 848	62 699	6.5%
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		1 183	1 328	59	1 552	1 461	1 624	11.2%
Distribution losses		94	40	36	40	466	27	-94.2%
Non-energy use		1 868	9 367	6 951	3 923	2 754	3 369	22.3%
Industry		1 544	5 996	8 842	11 100	13 672	14 376	5.1%
<i>among which:</i>								
Iron&steel industry		115	1 326	2 302	2 572	2 956	3 069	3.8%
Non-ferrous metals		-	260	1 215	1 830	1 651	1 858	12.5%
Chemical industry		-	147	372	347	405	778	92.1%
Non-met. mineral prod.		99	1 217	1 319	1 820	2 997	3 145	4.9%
Food, drink, tobacco		1 174	1 811	2 475	2 925	2 441	2 520	3.2%
Pulp, paper and print		67	423	297	561	891	1 151	29.2%
Engineering & metal		9	74	62	46	162	55	-66.0%
Other industries		-	5	-	-	792	547	-30.9%
Transport		-	-	-	-	284	449	58.1%
Services & households etc.		-	618	526	626	810	1 243	53.5%
<i>among which:</i>								
Households		-	-	181	226	243	398	63.8%
Services		0	618	345	400	567	845	49.0%


6.1 Hard coal


 eurostat	ELLADA							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	1 214	1 373	1 203	1 245	1 363	991	-27.3%	
Total exports	61	70	75	59	49	8	-83.7%	
Stock changes	-	-25	-96	-65	-86	-19	-77.9%	
Gross inland consumption	1 153	1 278	1 032	1 121	1 228	964	-21.5%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	97	31	-	-	-	-	-	
Poland	-	-	-	-	-	-	-	
CIS	108	31	231	364	669	400	-40.2%	
Australia	-	-	-	110	141	-	-	
South Africa	764	936	462	447	40	305	662.5%	
Colombia	-	-	-	-	-	-	-	
Consumption								
Inputs to electricity plants	100	17	5	6	2	10	400.0%	
Inputs to heat plants	-	-	-	-	-	-	-	
Consumption of energy branch	-	-	-	-	-	-	-	
Industry	1 203	1 256	1 027	1 115	1 226	952	-22.3%	
<i>among which:</i>								
Iron&steel industry	-	-	-	-	-	-	-	
Non-ferrous metals	86	77	64	69	141	160	13.5%	
Chemical industry	-	-	-	-	-	-	-	
Non-met. mineral prod.	1 117	1 179	963	1 046	1 085	792	-27.0%	
Food, drink, tobacco	-	-	-	-	-	-	-	
Pulp, paper and print	-	-	-	-	-	-	-	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	-	-	-	-	-	-	-	
Services & households etc.	6	5	-	-	-	2	-	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

	ELLADA						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	-	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	58 844	60 884	62 051	63 887	66 344	70 468	6.2%
Brown coal briquettes	99	77	73	141	138	179	29.7%
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	-	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-	-
Gasworks gas	631	-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	20	3	1	-	4	3	-25.0%
<i>among which:</i>							
Iron & steel industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
<i>among which:</i>							
Services & households	-	-	-	-	-	-	-
Lignite and peat	527	464	310	464	250	262	4.8%
<i>among which:</i>							
Industry	418	362	235	381	172	262	52.3%
Services & households	109	102	75	83	78	-	
Brown coal briquettes	44	35	34	117	116	169	45.7%
<i>among which:</i>							
Industry	-	-	-	79	80	105	31.3%
Services & households	44	35	34	38	36	64	77.8%
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	-	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-	-
Gasworks gas	2 175	-	-	-	-	-	-
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Consumption in industry	1 781	-	-	-	-	-	-


7. Renewable energy sources

		ELLADA						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	1 340	1 329	1 442	1 403	1 318	1 396	5.9%
Hydro (excl. pumping)		334	320	416	318	180	241	33.5%
Wind		3	6	14	39	65	56	-13.9%
Solar		89	93	97	99	100	102	1.5%
Geothermal		2	3	2	2	2	1	-41.1%
Biomass		911	908	913	946	970	996	2.6%
	<i>among which:</i>							
Wood, wood-waste		911	907	911	945	938	948	1.1%
Municipal solid waste		-	-	-	-	-	-	-
Biogas		1	1	1	1	33	48	48.0%
Gross inland consumption		1 340	1 329	1 442	1 403	1 318	1 396	5.9%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		-	-	2	0	31	47	49.8%
	<i>among which:</i>							
Wood, wood-waste		-	-	1	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	1	0	31	47	49.8%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	1 003	1 003	1 010	1 046	1 042	1 053	1.0%
	<i>by sector:</i>							
Industry		209	205	208	241	236	246	4.3%
Services & households etc.		794	799	801	805	806	806	0.1%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		911	908	911	946	939	949	1.1%
	<i>among which:</i>							
Wood, wood-waste		911	907	911	945	938	948	1.1%
Municipal waste		-	-	-	-	-	-	-
Biogas		1	1	0	1	2	2	14.1%
Geothermal		2	3	2	2	2	1	-41.1%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		11	8	18	26	40	58	45.0%
Hydro with installed capacity > 1 & <10 MW		138	137	164	140	95	92	-3.2%
Hydro with installed capacity > 10 MW		3 756	3 582	4 446	3 527	1 962	2 650	35.1%
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	2	1	79	126	59.5%

	ELLADA						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	-	-	-	-	1	1	0.0%
Hydro with installed capacity < 1 MW	4	4	7	14	15	15	0.0%
Hydro with installed capacity > 1 & <10 MW	39	40	42	42	45	45	0.0%
Hydro with installed capacity > 10 MW	2 517	2 321	2 437	2 317	2 317	2 317	0.0%
Wood, Wood-waste	48	48	48	35	-	-	-
Municipal waste	-	-	-	-	-	-	-
Biogas	-	-	-	1	21	22	4.8%
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	2 228	2 381	2 440	2 941	2 992	3 050	1.9%


1. Energy economy

Key figures and energy indicators

		ESPAÑA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	30 651	31 289	30 305	31 245	32 860	31 440
Net energy imports		80 231	87 554	94 427	98 351	98 763	107 041
Net oil imports		61 910	66 409	68 150	69 866	71 552	73 275
Net gas imports		11 540	12 058	13 903	15 467	15 827	18 929
Gross inland energy consumption		106 054	111 099	117 567	122 754	126 188	129 887
Final energy consumption		67 986	71 750	74 378	79 411p	83 221p	85 334p
Industry		21 674	22 541	22 451	25 474p	27 163p	28 182p
Transport		28 011	30 458	31 890	32 848	34 168	34 731p
Services and households etc.		18 301	18 750	20 037	21 090	21 891	22 421p
Gross electricity generation	GWh	190 237	195 065	209 030	225 148	237 991	246 079
Final electricity consumption		159 002	165 969	177 252	188 459	200 953	206 535
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	476 204	496 897	517 885	539 697	555 041	566 378
Population	1000 per.	39 519	39 648	39 843	40 169	40 614	41 201
Industry added value	Mio EUR	134 992	142 131	149 285	155 964	160 913	163 667
Total imports (current prices)	Mio EUR	124 589	141 092	158 822	175 624	182 642	185 858
among which:							
All energy commodities		9 540	7 772	8 953	20 377	19 306	18 905
Oil products		7 504	5 802	7 000	16 184	14 669	14 164
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	222.7	223.6	227.0	227.5	227.3	229.3
Final energy consumption / GDP(95)		142.8	144.4	143.6	147.1	149.9	150.7
Energy intensity of industry:							
Final consumption / gross value-added mp		160.6	158.6	150.4	163.3	168.8	172.2
Energy intensity of service sector:							
Final consumption / gross value-added mp		18.4	18.6	19.0	20.1	20.3	20.7
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 684	2 802	2 951	3 056	3 107	3 153
Final energy consumption / capita		1 720	1 810	1 867	1 977	2 049	2 071
Household consumption / capita		271	279	295	296	307	311
Electricity consumption / capita	kWh/cap.	3 807	4 069	4 683	4 806	4 693	5 250
Energy dependency							
Net energy imports / Gross consumption	in %	71.8	74.8	76.5	76.4	74.4	78.3
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	64.1	64.6	63.3	64.7	65.9	65.7
Efficiency of thermal power stations		39.7	41.1	40.2	41.3	42.5	42.5

2. Energy balance

Principal aggregates by product

 in 1 000 toe	ESPAÑA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	30 651	31 289	30 305	31 245	32 860	31 440	-4.3%
<i>among which:</i> Hard coal	8 446	7 659	7 005	6 544	6 148	5 756	-6.4%
Lignite and peat	1 425	1 642	1 561	1 197	1 210	1 693	39.9%
Crude oil	369	525	297	225	336	315	-6.3%
Natural Gas	163	102	131	148	471	467	-0.8%
Nuclear heat	13 511	14 418	15 181	16 046	16 434	16 255	-1.1%
Hydro-electricity	2 989	2 924	1 966	2 534	3 527	1 981	-43.8%
Biomass	3 660	3 806	3 894	4 105	4 091	4 175	2.0%
Imports							
Total	88 390	97 000	102 084	106 789	105 996	114 084	7.6%
<i>among which:</i> Hard coal	7 042	9 038	12 061	13 049	11 412	14 665	28.5%
Crude oil and feedstocks	56 372	60 188	58 562	58 393	57 486	57 457	-0.1%
Petroleum products	12 924	14 882	16 448	18 731	20 298	21 815	7.5%
Natural Gas	11 540	12 058	13 903	15 467	15 827	18 929	19.6%
Electricity	395	771	1 028	1 055	875	1 075	22.9%
Exports							
Total	8 159	9 446	7 657	8 438	7 233	7 043	-2.6%
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	7 386	8 661	6 860	7 258	6 232	5 998	-3.8%
Natural gas	-	-	-	-	-	-	-
Electricity	660	478	537	673	578	617	6.7%
Gross inland consumption							
Total	106 054	111 099	117 567	122 754	126 188	129 887	2.9%
<i>among which:</i> Solid fuels	18 519	17 775	20 092	20 643	18 456	21 686	17.5%
Crude oil and petrol. prod.	56 087	59 905	62 225	63 223	66 184	65 628	-0.8%
Natural gas	11 308	11 609	13 289	15 219	16 400	18 751	14.3%
Nuclear Energy	13 511	14 418	15 181	16 046	16 434	16 255	-1.1%
Renewables	6 737	6 943	6 130	7 085	8 262	6 953	-15.8%
Transformation input							
Total	95 583	100 502	105 487	105 645	102 040	107 470p	5.3%
<i>among which:</i> Crude oil and feedstocks	57 334	61 823	60 968	60 048	58 020	58 264	0.4%
Petroleum products	2 790	3 426	5 145	4 602	5 096	5 701p	11.9%
Hard coal	16 449	15 648	18 314	19 210	16 504	19 523	18.3%
Lignite and peat	1 476	1 745	1 510	1 451	1 503	1 544	2.8%
Renewables	398	429	501	679	714	763	6.9%
Transformation output							
Total	72 879	77 652	78 590	78 428p	76 416p	78 646p	2.9%
<i>among which:</i> Electricity	13 201	13 579	15 552	16 218	16 093	18 142	12.7%
Heat	69	69	74	74p	0p	0p	

Final energy consumption

Total	67 986	71 750	74 378	79 411p	83 221p	85 334p	2.5%
<i>among which:</i> Solid fuels	2 025	1 814	1 697	1 671	1 797	1 801	0.3%
Petroleum products	40 684	42 963	43 852	45 773	47 231	48 146p	1.9%
Natural Gas	7 743	8 703	9 740	11 809	13 009	13 697	5.3%
Renewables	3 262	3 377	3 394	3 427	3 374	3 408	1.0%
Electricity	13 672	14 271	15 241	16 205	17 279	17 759	2.8%

Final energy consumption by sector
Industry

Total	21 674	22 541	22 451	25 474p	27 163p	28 182p	3.8%
<i>among which:</i> Solid fuels	1 799	1 609	1 546	1 607	1 741	1 734	-0.4%
Petroleum Products	6 066	6 112	5 170	5 647	5 887	6 323p	7.4%
Natural Gas	6 076	6 742	7 368	9 151	10 004	10 349	3.4%
Renewables	1 271	1 385	1 401	1 302	1 314	1 345	2.4%
Electricity	5 917	6 141	6 574	7 364	7 762	7 987	2.9%


Transport

Total	28 011	30 458	31 890	32 848	34 168	34 731p	1.6%
<i>among which:</i> Motor spirit	9 437	9 477	9 393	8 969	8 924	8 638p	-3.2%
Diesel oil	14 245	16 382	17 681	18 676	20 039	21 051p	5.1%
Jet fuel	3 639	3 962	4 198	4 486	4 526	4 294p	-5.1%
Electricity	310	322	307	358	392	412	5.2%


Services&households

Total	18 301	18 750	20 037	21 090	21 891	22 421p	2.4%
<i>among which:</i> Solid fuels	226	205	151	64	55	67	21.0%
Gas oil	4 334	4 057	4 349	5 099	5 139	5 039p	-1.9%
Natural Gas	1 663	1 956	2 362	2 658	3 005	3 347	11.4%
Renewables	1 992	1 991	1 992	2 059	2 060	2 063	0.1%
Electricity	7 444	7 807	8 361	8 483	9 125	9 360	2.6%
Heat	-	-	-	-	-	-	-


3.1 Electricity balance

 eurostat	ESPAÑA						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	190 237	195 065	209 030	225 148	237 991	246 079	3.4%
<i>among which:</i>							
Hydro	36 002	35 806	25 437	31 807	43 858	26 388	-39.8%
Wind	716	1 352	2 744	4 724	6 966	8 704	24.9%
Geothermal	-	-	-	-	-	-	-
Nuclear	55 298	58 993	58 852	62 206	63 708	63 016	-1.1%
Conventional thermal	98 221	98 914	121 997	126 411	123 459	147 971	19.9%
<i>of which:</i>							
Hard coal	57 307	55 207	66 788	72 886	64 006	74 627	16.6%
Lignite and peat	5 527	6 378	6 821	6 210	6 419	6 555	2.1%
Petroleum products	14 103	17 499	24 445	22 640	24 596	28 593	16.3%
Natural gas	18 174	16 212	19 058	21 074	23 272	32 386	39.2%
Derived gases	1 142	1 581	1 761	1 386	1 392	1 275	-8.4%
Biomass	1 392	1 641	1 774	1 824	3 294	4 454	35.2%
Industrial wastes	576	396	1 350	391	480	81	-83.1%
Total net generation	182 225	187 159	199 217	215 216	228 186	235 345	3.1%
Imports and exports							
Total imports	4 597	8 964	11 959	12 268	10 177	12 504	22.9%
Total exports	7 670	5 562	6 240	7 827	6 727	7 175	6.7%
Consumption and losses							
Consumption of the energy branch	12 938	13 178	15 316	18 752	17 443	20 696	18.6%
<i>of which:</i>							
Consumption for pumped-storage	514	772	1 103	2 570	1 294	3 606	178.7%
Network losses	13 993	18 330	19 624	20 041	20 208	20 827	3.1%
Final energy consumption	159 002	165 969	177 252	188 459	200 953	206 535	2.8%
<i>of which:</i>							
Industry	68 820	71 423	76 452	85 640	90 267	92 890	2.9%
<i>among which:</i>							
Iron&steel industry	11 729	12 170	13 265	14 732	15 921	16 228	1.9%
Non-ferrous metals	8 522	8 800	9 001	9 291	10 226	10 484	2.5%
Chemical industry	9 908	10 200	10 679	12 800	12 368	12 111	-2.1%
Non-met. mineral prod.	7 525	7 703	8 793	9 613	10 939	11 026	0.8%
Food, drink, tobacco	6 843	7 100	7 653	8 973	8 641	9 183	6.3%
Pulp, paper and print	5 034	5 300	5 479	3 769	6 676	6 898	3.3%
Engineering & metal	7 830	8 300	8 634	9 668	10 167	10 489	3.2%
Other industries	6 467	6 700	7 416	11 295	9 209	10 114	9.8%
Transport	3 604	3 750	3 566	4 163	4 558	4 794	5.2%
Services & households etc.	86 578	90 796	97 234	98 656	106 128	108 851	2.6%
<i>among which:</i>							
Households	40 105	41 700	45 443	43 619	49 685	50 636	1.9%


3.2 Electrical capacity, fuel inputs and heat


	ESPAÑA							
	1997	1998	1999	2000	2001	2002	02/01	
Net electrical capacity								
Total installed capacity	MW	48 587	50 009	51 354	53 980	55 695	60 195	8.1%
by source:								
Conventional thermal		24 191	25 243	25 644	26 243	26 915	29 941	11.2%
<i>of which:</i>								
Steam		20 422	20 589	20 603	21 098	21 770	21 343	-2.0%
Gas turbine		1 068	1 419	1 419	1 535	1 535	1 755	14.3%
Combined cycle		1 466	1 530	1 530	1 181	1 181	4 109	247.9%
Internal combustion		1 235	1 705	2 092	2 429	2 429	2 734	12.6%
Nuclear		7 250	7 300	7 354	7 503	7 519	7 577	0.8%
Hydro		16 691	16 632	16 897	17 960	18 017	17 879	-0.8%
<i>among which:</i>								
Pumped storage		5 095	5 095	5 095	5 288	5 288	2 518	-52.4%
Wind		455	834	1 459	2 274	3 244	4 798	47.9%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
by producer type:								
Public system		45 258	45 654	47 738	48 801	50 411	54 271	7.7%
Autoproducers		3 335	4 363	4 684	4 740	5 109	5 924	16.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	21 463	20 877	26 298	26 520	24 979	29 922p	19.8%
<i>among which:</i>								
Hard coal		13 747	12 910	15 896	16 798	14 436	17 007	17.8%
Lignite and peat		1 476	1 745	1 510	1 451	1 503	1 544	2.8%
Petroleum products		2 717	3 280	4 981	4 442	5 074	5 679p	11.9%
Natural gas		2 784	2 117	2 963	2 685	2 810	4 501	60.2%
Renewables		398	429	501	679	714	763	6.9%
Heating plants		-	-	-	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	69	69	74	74p	0p	0p	
<i>among which: in heating plants</i>		-	-	-	-	-	-	
Heat consumption		69	69	74	74p	0p	0p	
<i>of which: in industry</i>		69	69	74	74p	0p	0p	
in households and services		-	-	-	-	-	-	
<i>among which: in households</i>		-	-	-	-	-	-	

4.1 Crude oil and feedstocks


 eurostat	ESPAÑA							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		371	529	299	227	338	316	-6.5%
Total imports		56 636	60 679	58 911	58 782	57 833	57 694	-0.2%
Total exports		-	-	-	-	-	-	-
Stock changes		-467	-392	529	-791	224	-374	-267.0%
Refinery intake		57 581	62 291	61 297	60 404	58 349	58 489	0.2%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		34 678	37 654	34 011	35 607	22 400	29 634	32.3%
Near and Middle East		17 847	21 907	18 463	17 157	14 248	13 523	-5.1%
Africa		15 894	20 503	21 794	22 804	23 636	18 636	-21.2%
<i>by country of origin:</i>								
Algeria		1 161	1 039	1 485	1 476	1 571	1 058	-32.7%
Nigeria		9 723	7 865	8 679	9 165	8 678	5 278	-39.2%
Saudi Arabia		9 058	9 360	6 275	6 628	6 291	6 750	7.3%
Kuwait		-	14	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		711	267	249	249	420	910	116.7%
Refining capacity								
Capacity at the end of year	1 000 t/year	64 900	64 090	64 380	66 700	:	:	
<i>among which:</i>								
Cracking and others		19 400	22 360	23 930	20 700	:	:	
Reforming		8 400	8 520	8 520	7 800	:	:	

4.2 Petroleum products


 eurostat	ESPAÑA							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output	57 056	61 657	60 841	59 830	57 806	57 931	0.2%	
<i>among which:</i>								
Motor spirit	9 235	9 930	9 437	9 616	9 272	8 871	-4.3%	
Kerosene and jet fuel	4 074	3 919	4 272	4 118	4 002	3 830	-4.3%	
Naphtha	2 694	2 940	3 102	3 358	3 076	3 000	-2.5%	
Gas/diesel oil	18 532	19 969	20 368	20 066	20 177	20 820	3.2%	
Residual fuel oil	13 623	15 058	14 126	13 080	11 784	12 122	2.9%	
Total imports	13 544	15 576	16 991	19 557	21 194	22 645	6.8%	
Total exports	7 664	8 879	6 926	7 367	6 223	5 926	-4.8%	
Bunkers	5 865	6 185	6 033	6 150	6 884	7 059	2.5%	
Stock changes	-12	-775	-969	-150	712	-805	-213.1%	
Gross inland consumption	3	-263	3 063	5 890	8 799	8 855	0.6%	
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands	245	344	657	473	493	926	87.8%	
United Kingdom	512	774	1 379	972	996	1 495	50.1%	
Norway	96	228	123	193	123	350	184.6%	
OPEC	3 495	4 616	2 277	5 667	4 042	4 552	12.6%	
Imports by product								
<i>among which:</i>								
Motor spirit	918	777	886	938	933	967	3.6%	
Kerosene and jet fuel	270	388	424	550	815	821	0.7%	
Gas/diesel oil	3 604	4 829	6 749	7 244	8 055	9 342	16.0%	
Residual fuel oil	1 645	2 289	2 235	2 756	3 297	3 718	12.8%	
Exports by product								
<i>among which:</i>								
Motor spirit	1 249	1 925	1 612	2 374	2 291	2 174	-5.1%	
Kerosene and jet fuel	359	102	250	180	134	247	84.3%	
Gas/diesel oil	781	957	729	848	572	783	36.9%	
Residual fuel oil	2 095	2 767	1 400	1 054	876	328	-62.6%	
Consumption								
Inputs to electricity plants	2 826	3 419	5 193	4 631	5 266	5 900p	12.0%	
Inputs to heating plants	-	-	-	-	-	-	-	
Non-energy use	7 575	8 748	8 532	9 092	9 372	8 667p	-7.5%	
Final energy consumption	40 649	42 845	43 596	45 629	47 170	48 192p	2.2%	
Industry								
<i>among which by product:</i>								
Gas/diesel oil	700	900	925	1 136	1 208	1 184p	-2.0%	
Residual fuel oil	2 600	2 531	1 862	1 743	1 649	1 873p	13.6%	

 eurostat	ESPAÑA							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry	520	537	425	538	540	525p	-2.8%	
Non-ferrous metals	115	132	144	152	145	159p	9.7%	
Chemical industry	1 230	1 090	772	767	770	785p	1.9%	
Non-met. mineral prod.	3 037	3 013	2 532	2 903	3 217	2 970p	-7.7%	
Food, drink, tobacco	790	682	587	599	612	653p	6.7%	
Pulp, paper and print	275	302	313	301	285	315p	10.5%	
Engineering & metal	392	387	394	451	438	438p	0.0%	
Other industries	296	358	403	427	458	480p	4.8%	
Transport	27 003	29 401	30 830	31 684	33 022	33 576p	1.7%	
<i>among which:</i>								
Motor spirit	8 980	9 018	8 938	8 534	8 492	8 219p	-3.2%	
Jet fuel	3 543	3 858	4 087	4 368	4 407	4 181p	-5.1%	
Diesel oil	14 100	16 215	17 500	18 485	19 834	20 836p	5.1%	
Services & households etc.	6 704	6 498	6 885	7 476	7 357	7 296p	-0.8%	
<i>among which:</i>								
Gas oil	4 290	4 016	4 305	5 047	5 087	4 988p	-1.9%	
Residual fuel oil	371	417	491	440	419	463p	10.5%	
Stocks at end of period								
Crude oil and feedstocks	4 586	4 978	4 449	5 240	1 000	6 159	515.9%	
Petroleum products	8 968	9 743	10 484	10 634	9 922	10 727	8.1%	


5. Natural gas

 eurostat	ESPAÑA							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		7 571	4 762	6 084	6 883	21 904	21 718	-0.8%
Total imports		536 854	560 924	646 766	719 516	736 262	880 596	19.6%
Total exports		-	-	-	-	-	-	-
Stock changes		-18 368	-25 634	-34 630	-18 407	4 758	-30 009	-730.7%
Gross inland consumption		526 057	540 052	618 220	707 992	762 924	872 305	14.3%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		-	-	-	-	-	-	-
Algeria		361 696	373 856	416 533	433 743	406 272	514 858	26.7%
Norway		72 169	96 187	96 406	96 681	96 586	95 133	-1.5%
Consumption								
Inputs to electricity plants		129 519	98 499	137 847	124 891	130 702	209 401	60.2%
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		1 426	1 200	837	-	-	-	-
Distribution losses		9 876	12 195	11 413	11 687	5 116	5 037	-1.5%
Non-energy use		24 574	22 906	15 000	22 070	21 915	20 704	-5.5%
Industry		282 654	313 623	342 767	425 685	465 396	481 431	3.4%
<i>among which:</i>								
Iron&steel industry		24 129	28 499	31 426	39 028	55 615	49 062	-11.8%
Non-ferrous metals		5 330	7 675	6 076	7 546	12 818	21 877	70.7%
Chemical industry		54 495	57 986	67 987	84 434	73 457	90 456	23.1%
Non-met. mineral prod.		76 060	84 252	106 251	131 954	152 103	122 969	-19.2%
Food, drink, tobacco		27 613	30 605	34 841	43 269	53 248	65 166	22.4%
Pulp, paper and print		37 989	40 270	38 542	47 866	28 171	39 148	39.0%
Engineering & metal		23 679	31 878	26 006	32 298	47 539	36 940	-22.3%
Other industries		2 516	3 826	3 549	4 407	20 062	30 365	51.4%
Transport		213	272	483	-	-	32	
Services & households etc.		77 347	90 984	109 873	123 659	139 796	155 701	11.4%
<i>among which:</i>								
Households		56 666	66 670	81 519	91 748	104 156	116 871	12.2%
Services		19 441	22 535	24 575	27 658	33 838	36 471	7.8%


6.1 Hard coal


 eurostat	ESPAÑA							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	17 878	16 212	15 435	14 947	13 960	13 308	-4.7%	
Total imports	11 340	14 554	20 198	21 649	18 916	24 514	29.6%	
Total exports	-	-	-	-	22	17	-22.7%	
Stock changes	3 226	-643	-849	655	115	-302	-362.6%	
Gross inland consumption	32 494	30 136	34 800	37 251	32 969	37 503	13.8%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	3 864	2 964	2 355	2 497	1 884	1 904	1.1%	
Poland	244	221	542	313	293	240	-18.1%	
CIS	30	120	1 395	1 600	1 891	2 465	30.4%	
Australia	1 039	1 243	2 255	3 015	3 498	3 721	6.4%	
South Africa	3 148	5 532	8 666	9 180	7 147	10 765	50.6%	
Colombia	337	419	740	1 112	395	1 622	310.6%	
Consumption								
Inputs to electricity plants	27 470	24 980	29 979	32 427	27 745	32 402	16.8%	
Inputs to heat plants	-	-	-	-	-	-	-	
Consumption of energy branch	14	7	10	104	35	62	77.1%	
Industry								
<i>among which:</i>								
Iron&steel industry	291	494	709	681	764	689	-9.8%	
Non-ferrous metals	10	10	8	-	-	-	-	
Chemical industry	90	90	75	60	265	268	1.1%	
Non-met. mineral prod.	402	327	264	222	298	243	-18.5%	
Food, drink, tobacco	-	-	-	-	-	-	-	
Pulp, paper and print	10	10	5	-	-	-	-	
Engineering & metal	10	10	6	-	-	-	-	
Other industries	-	-	-	250	100	100	0.0%	
Services & households etc.	420	380	274	116	101	120	18.8%	
Structural data								
Personnel employed underground (annual mean in 1000's)	18.0	17.8	16.9	16.7	15.8	12.2	-22.8%	
Number of active hard coal mines (end of year)	114	109	106	95	91	89	-2.2%	

6.2 Coal derivatives and peat

	ESPAÑA						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	2 646	2 631	2 331	2 470	2 648	2 627	-0.8%
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	8 463	9 750	8 832	8 524	8 718	8 726	0.1%
Brown coal briquettes	-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	21 908	22 255	17 300	19 864	22 529	22 258	-1.2%
Blast-furnace gas	20 609	20 573	19 196	19 215	21 671	20 583	-5.0%
Gasworks gas	1 328	1 962	1 385	3 983	1 553	1 520	-2.1%
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	1 923	1 532	1 409	1 249	1 250	1 356	8.5%
<i>among which:</i>							
Iron & steel industry	1 737	1 364	1 294	1 099	1 034	1 123	8.6%
Services & households	-	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
<i>among which:</i>							
Services & households	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-	-
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	5 570	7 780	3 240	3 733	7 105	7 057	-0.7%
Blast-furnace gas	11 038	9 300	6 515	6 521	8 727	8 288	-5.0%
Gasworks gas	1 328	1 962	1 385	3 983	1 553	1 520	-2.1%
Inputs to electricity plants	11 617	13 947	16 151	17 027	15 909	15 269	-4.0%
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	14 076	11 499	10 290	11 493	10 918	10 713	-1.9%
Consumption in industry	16 608	17 080	9 755	10 254	15 832	15 345	-3.1%

7. Renewable energy sources

		ESPAÑA						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	6 737	6 943	6 130	7 085	8 262	6 953	-15.8%
Hydro (excl. pumping)		2 989	2 924	1 966	2 534	3 527	1 981	-43.8%
Wind		62	185	236	406	599	748	24.9%
Solar		23	26	29	32	37	41	12.7%
Geothermal		4	4	5	8	8	8	0.0%
Biomass		3 660	3 806	3 894	4 105	4 091	4 175	2.0%
<i>among which:</i>								
Wood, wood-waste		3 388	3 538	3 606	3 630	3 678	3 812	3.6%
Municipal solid waste		194	187	199	279	279	195	-30.1%
Biogas		79	82	90	131	134	168	25.2%
Gross inland consumption		6 737	6 943	6 130	7 085	8 262	6 953	-15.8%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		398	429	501	679	714	763	6.9%
<i>among which:</i>								
Wood, wood-waste		149	161	212	294	326	428	31.4%
Municipal waste		194	187	199	279	279	195	-30.1%
Biogas		56	82	90	106	109	140	28.3%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	3 288	3 405	3 426	3 465	3 418	3 456	1.1%
<i>by sector:</i>								
Industry		1 271	1 386	1 401	1 302	1 314	1 346	2.4%
Services & households etc.		2 017	2 019	2 025	2 098	2 103	2 110	0.3%
Transport		-	-	-	65	-	-	-
<i>by source:</i>								
Biomass		3 262	3 377	3 394	3 427	3 374	3 408	1.0%
<i>among which:</i>								
Wood, wood-waste		3 239	3 377	3 394	3 337	3 349	3 380	0.9%
Municipal waste		-	-	-	-	-	-	-
Biogas		23	-	-	25	25	28	11.8%
Geothermal		4	4	5	8	8	8	0.0%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		3	4	17	18	24	35	45.8%
Hydro with installed capacity < 1 MW		686	897	601	479	708	281	-60.3%
Hydro with installed capacity > 1 & <10 MW		4 007	4 333	3 289	3 957	5 481	2 848	-48.0%
Hydro with installed capacity > 10 MW		30 849	30 256	18 973	21 929	33 682	19 908	-40.9%
Wood, Wood-waste		672	841	917	841	2 331	3 483	49.4%
Municipal waste		569	639	660	667	633	566	-10.6%
Biogas		151	161	197	316	330	450	36.4%

		ESPAÑA						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		7	7	9	12	16	20	25.0%
Hydro with installed capacity < 1 MW		214	209	227	228	234	238	1.7%
Hydro with installed capacity > 1 & <10 MW		1 251	1 297	1 303	1 339	1 384	1 431	3.4%
Hydro with installed capacity > 10 MW		11 523	11 500	11 193	11 105	11 111	16 399	47.6%
Wood, Wood-waste		127	128	138	150	167	282	68.9%
Municipal waste		94	94	94	94	94	94	0.0%
Biogas		-	-	34	50	51	67	31.4%
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	80	80	187	133.8%
Solar Panels								
Solar panel surface	<i>1000 m²</i>	321	341	362	403	455	515	13.2%

1. Energy economy

Key figures and energy indicators

eurostat		FRANCE					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	123 910	120 716	122 845	130 561	131 142	132 612
Net energy imports		122 072	131 558	131 541	133 463	132 411	132 895
Net oil imports		88 666	93 321	89 767	90 452	95 647	93 948
Net gas imports		29 350	30 128	34 808	35 779	31 456	33 033
Gross inland energy consumption		243 209	250 776	250 811	258 055	261 697	261 391
Final energy consumption		145 654	150 829	150 701	151 564	155 394	151 320
Industry		36 425	36 907	35 558	36 006	37 006	36 947
Transport		47 140	49 645	49 732	51 599	51 459	51 404
Services and households etc.		62 089	64 276	65 411	63 958	66 929	62 969
Gross electricity generation	GWh	504 226	510 806	523 981	540 654	549 048	558 787
Final electricity consumption		355 195	367 204	374 677	385 111	395 489	392 979
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	1 224 081	1 265 715	1 306 384	1 355 936	1 384 351	1 400 756
Population	1000 per.	58 208	58 398	58 623	58 894	59 192	59 486
Industry added value	Mio EUR	289 168	301 396	310 121	324 531	328 276	315 244
Total imports (current prices)	Mio EUR	272 619	304 250	323 020	370 168	374 957	385 811
among which:							
All energy commodities		19 199	14 920	17 784	32 629	31 488	29 398
Oil products		14 586	10 618	13 530	25 910	23 541	21 865
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	198.7	198.1	192.0	190.3	189.0	186.6
Final energy consumption / GDP(95)		119.0	119.2	115.4	111.8	112.3	108.0
Energy intensity of industry:							
Final consumption / gross value-added mp		126.0	122.5	114.7	110.9	112.7	117.2
Energy intensity of service sector:							
Final consumption / gross value-added mp		26.4	27.0	26.6	25.5	26.2	24.8
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	4 178	4 294	4 278	4 382	4 421	4 394
Final energy consumption / capita		2 502	2 583	2 571	2 573	2 625	2 544
Household consumption / capita		648	664	676	651	679	632
Electricity consumption / capita	kWh/cap.	6 362	6 612	6 537	6 770	6 781	6 980
Energy dependency							
Net energy imports / Gross consumption	in %	49.6	51.9	51.9	51.1	50.1	50.3
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	59.9	60.1	60.1	58.7	59.4	57.9
Efficiency of thermal power stations		38.7	37.6	38.2	36.3	40.9	42.5

2. Energy balance

Principal aggregates by product

eurostat	FRANCE						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	123 910	120 716	122 845	130 561	131 142	132 612	1.1%
<i>among which:</i> Hard coal	3 465	2 915	2 717	1 898	1 182	889	-24.8%
Lignite and peat	430	307	234	123	135	61	-54.6%
Crude oil	2 154	1 981	1 806	1 675	1 646	1 534	-6.8%
Natural Gas	2 127	1 837	1 670	1 505	1 359	1 200	-11.7%
Nuclear heat	98 766	96 636	98 194	107 093	108 617	112 664	3.7%
Hydro-electricity	5 399	5 388	6 271	5 805	6 449	5 254	-18.5%
Biomass	11 167	11 453	11 232	11 579	11 459	10 689	-6.7%
Imports							
Total	149 419	159 167	157 734	163 436	159 577	159 832	0.2%
<i>among which:</i> Hard coal	9 098	12 321	11 931	12 693	10 674	11 879	11.3%
Crude oil and feedstocks	89 199	91 393	82 653	86 186	87 113	80 835	-7.2%
Petroleum products	19 244	23 115	26 418	26 713	28 239	32 167	13.9%
Natural Gas	30 512	30 834	35 462	36 460	32 176	33 711	4.8%
Electricity	364	395	427	318	384	258	-32.9%
Exports							
Total	27 347	27 609	26 194	29 974	27 166	26 937	-0.8%
<i>among which:</i> Crude oil and feedstocks	1 250	1 412	1 364	1 811	-	-	-
Petroleum products	18 528	19 776	17 940	20 635	19 704	19 055	-3.3%
Natural gas	1 162	706	655	681	719	678	-5.7%
Electricity	5 987	5 344	5 856	6 292	6 265	6 870	9.7%
Gross inland consumption							
Total	243 209	250 776	250 811	258 055	261 697	261 391	-0.1%
<i>among which:</i> Solid fuels	14 576	17 155	15 364	15 240	12 532	13 517	7.9%
Crude oil and petrol. prod.	87 445	91 542	90 566	88 385	94 590	92 134	-2.6%
Natural gas	31 339	33 413	34 481	35 766	33 793	33 597	-0.6%
Nuclear Energy	98 766	96 636	98 194	107 093	108 617	112 664	3.7%
Renewables	16 706	16 980	17 635	17 545	18 046	16 091	-10.8%
Transformation input							
Total	206 939	211 802	203 411	216 750	217 163	215 834	-0.6%
<i>among which:</i> Crude oil and feedstocks	92 168	95 543	86 602	90 084	91 843	85 705	-6.7%
Petroleum products	1 271	1 945	1 783	1 342	975	920	-5.6%
Hard coal	9 533	12 268	11 048	11 030	9 223	9 497	3.0%
Lignite and peat	407	508	430	117	115	70	-38.9%
Renewables	1 721	1 675	1 662	1 874	1 823	1 925	5.6%
Transformation output							
Total	135 760	139 253	128 448	133 019	137 738	132 945	-3.5%
<i>among which:</i> Electricity	37 464	38 148	38 379	40 257	40 395	42 313	4.7%
Heat	-	-	-	-	-	-	-

Final energy consumption

Total	145 654	150 829	150 701	151 564	155 394	151 320	-2.6%
<i>among which:</i> Solid fuels	7 039	6 746	5 780	5 775	5 241	5 384	2.7%
Petroleum products	69 065	72 380	71 625	71 428	76 334	73 815	-3.3%
Natural Gas	28 297	29 047	30 308	30 334	29 049	28 431	-2.1%
Renewables	9 446	9 779	9 570	9 710	9 638	8 764	-9.1%
Electricity	30 541	31 574	32 216	33 114	34 006	33 790	-0.6%

Final energy consumption by sector
Industry

Total	36 425	36 907	35 558	36 006	37 006	36 947	-0.2%
<i>among which:</i> Solid fuels	5 916	5 892	5 034	5 154	4 633	4 840	4.5%
Petroleum Products	5 650	5 123	4 437	4 456	7 521	6 231	-17.2%
Natural Gas	11 158	11 756	11 975	12 042	10 818	11 914	10.1%
Renewables	1 628	1 650	1 638	1 679	1 455	1 486	2.1%
Electricity	10 980	11 349	11 402	11 620	11 579	11 466	-1.0%


Transport

Total	47 140	49 645	49 732	51 599	51 459	51 404	-0.1%
<i>among which:</i> Motor spirit	15 373	15 295	15 221	14 631	14 110	13 619	-3.5%
Diesel oil	25 288	26 877	26 581	28 679	29 480	30 019	1.8%
Jet fuel	5 130	6 047	6 448	6 683	6 613	6 505	-1.6%
Electricity	934	955	968	1 004	1 005	1 030	2.5%


Services&households

Total	62 089	64 276	65 411	63 958	66 929	62 969	-5.9%
<i>among which:</i> Solid fuels	1 124	854	745	621	608	545	-10.4%
Gas oil	14 306	15 194	15 079	13 216	15 297	14 249	-6.9%
Natural Gas	17 139	17 291	18 333	18 289	18 210	16 493	-9.4%
Renewables	7 523	7 870	7 652	7 703	8 183	7 278	-11.1%
Electricity	18 627	19 270	19 846	20 489	21 422	21 294	-0.6%
Heat	-	-	-	-	-	-	-


3.1 Electricity balance

 eurostat	FRANCE						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	504 226	510 806	523 981	540 654	549 048	558 787	1.8%
<i>among which:</i>							
Hydro	68 060	66 620	77 601	72 389	79 121	66 423	-16.0%
Wind	24	48	36	77	130	268	106.2%
Geothermal	-	-	-	-	-	-	-
Nuclear	395 483	387 990	394 244	415 162	421 072	436 760	3.7%
Conventional thermal	40 659	56 148	52 100	53 026	48 725	55 336	13.6%
<i>of which:</i>							
Hard coal	20 618	31 770	27 086p	24 556p	20 209p	22 000p	8.9%
Lignite and peat	1 560	1 762	1 490	378p	394p	280p	-28.9%
Petroleum products	7 727	11 651	10 150	7 201p	5 737p	9 041p	57.6%
Natural gas	4 900	4 975	7 530	14 530p	15 555p	18 000p	15.7%
Derived gases	3 685	3 780	3 074	3 071p	3 361p	2 500p	-25.6%
Biomass	2 169	2 210	2 770	3 290	3 608	3 515	-2.6%
Industrial wastes	-	-	0p	0p	-139p	0p	-100.0%
Total net generation	481 379	487 452	500 306	516 673	525 556	534 646	1.7%
Imports and exports							
Total imports	4 238	4 590	4 965	3 695	4 471	3 000	-32.9%
Total exports	69 634	62 152	68 108	73 174	72 861	79 900	9.7%
Consumption and losses							
Consumption of the energy branch	49 234	51 075	51 661	51 264	51 161	52 688	3.0%
<i>of which:</i>							
Consumption for pumped-storage	29	1 596	1 626	1 726	1 698	2 177	28.2%
Network losses	28 692	30 530	29 828	29 922	30 010	30 900	3.0%
Final energy consumption	355 195	367 204	374 677	385 111	395 489	392 979	-0.6%
<i>of which:</i>							
Industry	127 699	131 987	132 610	135 145	134 665	133 350	-1.0%
<i>among which:</i>							
Iron&steel industry	15 739	15 803	15 284	17 152	16 714	16 162	-3.3%
Non-ferrous metals	8 620	9 004	9 421	9 701	10 080	10 211	1.3%
Chemical industry	25 452	25 835	25 085	25 735	25 106	24 738	-1.5%
Non-met. mineral prod.	8 780	8 900	9 667	8 124	8 374	8 550	2.1%
Food, drink, tobacco	16 865	16 740	17 186	17 700	18 444	18 931	2.6%
Pulp, paper and print	11 824	11 802	11 818	13 693	13 337	13 617	2.1%
Engineering & metal	23 594	24 647	25 149	23 487	22 995	22 851	-0.6%
Other industries	11 978	14 489	14 572	14 037	14 400	13 373	-7.1%
Transport	10 864	11 107	11 254	11 681	11 686	11 982	2.5%
Services & households etc.	216 632	224 110	230 813	238 285	249 138	247 647	-0.6%
<i>among which:</i>							
Households	119 084	123 147	126 933	128 720	133 887	132 998	-0.7%


3.2 Electrical capacity, fuel inputs and heat


	FRANCE							
	1997	1998	1999	2000	2001	2002	02/01	
Net electrical capacity								
Total installed capacity	MW	113 905	112 347	114 583	115 632	115 759	115 917	0.1%
<i>by source:</i>								
Conventional thermal		25 931	25 558	26 213	26 799	27 210	27 278	0.2%
<i>of which:</i>								
Steam		23 262	22 889	23 560	24 146	24 530	24 530p	0.0%
Gas turbine		2 026	2 026	2 100	2 100	2 121	2 189p	3.2%
Combined cycle		-	-	-	-	-	-	-
Internal combustion		643	643	553	553	559	559p	0.0%
Nuclear		62 875	61 675	63 183	63 183	63 183	63 273	0.1%
Hydro		25 089	25 095	25 170	25 594	25 285	25 235	-0.2%
<i>among which:</i>								
Pumped storage		4 292	4 303	4 302	4 302	4 302	4 302	0.0%
Wind		10	19	17	56	81	131	61.7%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		104 098	102 413	103 701	105 848	105 799	105 923	0.1%
Autoproducers		10 047	10 174	10 882	9 784	10 048	10 242	1.9%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	8 928	12 735	11 741	12 563	10 251	11 191	9.2%
<i>among which:</i>								
Hard coal		4 551	7 438	6 277	6 114	4 524	5 164	14.1%
Lignite and peat		407	508	430	117	115	70	-38.9%
Petroleum products		1 167	1 844	1 669	1 272	954	844	-11.5%
Natural gas		703	725	1 071	2 466	2 236	2 554	14.2%
Renewables		1 302	1 326	1 305	1 532	1 561	1 641	5.2%
Heating plants		419	349	357	342	262	283	8.1%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		419	349	357	342	262	283	8.1%
Heat production and consumption								
Total heat production	TJ	-	-	-	-	-	-	-
<i>among which: in heating plants</i>								
Heat consumption		-	-	-	-	-	-	-
<i>of which: in industry</i>								
in households and services		-	-	-	-	-	-	-
<i>among which: in households</i>								
		-	-	-	-	-	-	-

4.1 Crude oil and feedstocks


 eurostat	in 1 000 t	FRANCE						
		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		2 132	1 960	1 795	1 666	1 632	1 519	-6.9%
Total imports		88 284	90 443	82 145	85 698	86 362	80 058	-7.3%
Total exports		1 231	1 391	1 344	1 784	-	-	-
Stock changes		-271	-515	-307	-427	-313	106	133.9%
Refinery intake		91 215	94 537	86 042	89 536	91 024	84 860	-6.8%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		42 074	49 356	42 124	39 827	34 221	30 015	-12.3%
Near and Middle East		29 493	39 327	33 589	31 608	24 836	22 958	-7.6%
Africa		11 766	15 756	11 949	13 798	18 658	16 032	-14.1%
<i>by country of origin:</i>								
Algeria		3 883	3 446	2 952	3 440	4 266	3 639	-14.7%
Nigeria		4 557	6 249	4 867	4 844	5 260	4 296	-18.3%
Saudi Arabia		19 276	18 108	15 069	15 226	11 345	10 568	-6.8%
Kuwait		869	843	1 744	1 374	1 110	1 621	46.0%
United Arab Emirates		-	557	-	6	255	-	
Norway		18 027	17 778	14 843	21 141	19 371	16 226	-16.2%
Refining capacity								
Capacity at the end of year	1 000 t/year	93 223	95 520	96 240	96 450	:	:	
<i>among which:</i>								
Cracking and others		28 500	31 710	32 270	33 280	:	:	
Reforming		11 100	11 360	11 510	12 090	:	:	

4.2 Petroleum products


 eurostat	FRANCE						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	90 968	93 673	83 050	85 863	90 683	84 309	-7.0%
among which:							
Motor spirit	18 805	19 618	16 171	15 487	18 273	17 026	-6.8%
Kerosene and jet fuel	6 676	6 755	6 510	6 112	6 162	5 307	-13.9%
Naphtha	5 744	5 398	4 642	5 776	5 695	5 458	-4.2%
Gas/diesel oil	35 112	35 988	31 698	33 428	35 132	33 301	-5.2%
Residual fuel oil	11 052	12 150	10 799	11 068	11 291	10 626	-5.9%
Total imports	19 121	23 061	26 917	26 715	28 281	32 073	13.4%
Total exports	18 324	19 662	17 994	20 676	19 686	19 172	-2.6%
Bunkers	3 028	2 955	2 985	3 085	2 767	2 692	-2.7%
Stock changes	-476	-510	1 487	-1 145	90	-1 103	-1325.6%
Gross inland consumption	-2 390	70	8 070	2 587	6 149	9 356	52.2%
Imports and exports							
Imports by origin							
among which:							
Netherlands	2 047	2 847	2 660	2 854	1 993	2 966	48.8%
United Kingdom	3 217	3 279	3 869	3 399	2 271	3 533	55.6%
Norway	537	618	553	594	523	433	-17.2%
OPEC	3 134	2 773	4 589	3 832	4 314	4 356	1.0%
Imports by product							
among which:							
Motor spirit	1 775	2 431	2 029	2 489	1 715	1 744	1.7%
Kerosene and jet fuel	770	1 054	1 704	2 228	2 551	2 734	7.2%
Gas/diesel oil	9 622	11 297	11 668	10 875	14 087	16 076	14.1%
Residual fuel oil	384	1 600	1 323	4 123	2 845	3 292	15.7%
Exports by product							
among which:							
Motor spirit	4 789	5 524	5 102	5 314	4 751	4 439	-6.6%
Kerosene and jet fuel	1 866	1 885	1 335	1 207	1 231	903	-26.6%
Gas/diesel oil	3 191	2 710	2 230	2 430	1 993	1 960	-1.7%
Residual fuel oil	3 027	4 663	4 332	5 382	5 699	5 693	-0.1%
Consumption							
Inputs to electricity plants	1 220	1 929	1 746	1 330	1 000	887	-11.3%
Inputs to heating plants	-	-	-	-	-	-	-
Non-energy use	16 378	14 468	14 618	13 415	12 707	12 217	-3.9%
Final energy consumption	67 922	71 070	70 390	70 104	75 431	72 808	-3.5%
Industry							
among which <i>by product:</i>							
Gas/diesel oil	1 632	1 480	1 092	1 236	1 318	1 202	-8.8%
Residual fuel oil	2 701	2 307	1 803	1 741	1 885	1 845	-2.1%

 eurostat	FRANCE						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	155	168	111	146p	193	113	-41.5%
Non-ferrous metals	623	272	271	322p	76	60	-21.1%
Chemical industry	653	689	391	422p	3 275	2 531	-22.7%
Non-met. mineral prod.	755	1 212	1 673	1 412p	1 738	1 454	-16.3%
Food, drink, tobacco	770	875	595	638p	756	792	4.8%
Pulp, paper and print	324	261	266	259p	210	207	-1.4%
Engineering & metal	238	312	298	321p	279	242	-13.3%
Other industries	2 238	1 412	984	976p	1 444	1 227	-15.0%
Transport	44 765	47 243	47 286	49 067	49 254	49 193	-0.1%
<i>among which:</i>							
Motor spirit	14 628	14 554	14 483	13 922	13 426	12 959	-3.5%
Jet fuel	4 995	5 888	6 278	6 507	6 439	6 334	-1.6%
Diesel oil	25 030	26 603	26 310	28 386	29 179	29 712	1.8%
Services & households etc.	17 173	18 484	18 369	16 394	18 073	16 903	-6.5%
<i>among which:</i>							
Gas oil	14 160	15 039	14 925	13 081	15 141	14 103	-6.9%
Residual fuel oil	773	1 047	1 082	979	925	577	-37.6%
Stocks at end of period							
Crude oil and feedstocks	7 443	7 958	8 265	8 692	9 032	8 913	-1.3%
Petroleum products	7 443	14 837	13 350	14 495	14 015	14 813	5.7%


5. Natural gas

 eurostat	FRANCE							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		98 949	85 475	77 692	69 998	63 200	55 814	-11.7%
Total imports		1 419 433	1 434 395	1 649 710	1 696 097	1 496 818	1 568 241	4.8%
Total exports		54 072	32 836	30 456	31 680	33 463	31 562	-5.7%
Stock changes		-6 433	67 345	-92 880	-70 560	45 507	-29 574	-165.0%
Gross inland consumption		1 457 877	1 554 379	1 604 066	1 663 855	1 572 062	1 562 919	-0.6%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		405 029	400 479	482 256	480 910	372 921	380 431	2.0%
Algeria		384 012	400 723	414 641	406 598	362 051	377 687	4.3%
Norway		442 224	433 991	536 137	504 950	444 774	465 076	4.6%
Consumption								
Inputs to electricity plants		32 710	33 714	49 805	114 721	104 038	118 832	14.2%
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		14 890	14 486	17 325	13 892	19 397	11 949	-38.4%
Distribution losses		2 430	2 490	2 620	16 117	8 903	14 234	59.9%
Non-energy use		106 934	106 776	103 176	108 000	88 276	88 880	0.7%
Industry		519 066	546 884	557 054	560 210	503 237	554 244	10.1%
<i>among which:</i>								
Iron&steel industry		37 854	44 244	39 625	27 367	24 481	23 085	-5.7%
Non-ferrous metals		15 908	23 213	16 513	16 740	14 841	12 443	-16.2%
Chemical industry		80 482	85 424	95 573	110 718	99 581	89 017	-10.6%
Non-met. mineral prod.		74 956	71 310	78 185	78 595	70 856	80 423	13.5%
Food, drink, tobacco		97 502	102 971	106 499	114 512	102 932	105 019	2.0%
Pulp, paper and print		60 199	63 335	66 420	66 107	59 366	59 692	0.5%
Engineering & metal		69 091	71 186	74 146	80 626	72 292	66 014	-8.7%
Other industries		57 035	58 874	54 454	43 157	38 779	102 022	163.1%
Transport		14	14	14	86	972	1 134	16.7%
Services & households etc.		797 298	804 356	852 854	850 824	847 151	767 237	-9.4%
<i>among which:</i>								
Households		411 422	406 970	441 684	434 221	432 051	391 046	-9.5%
Services		376 070	385 657	399 438	402 840	400 829	362 787	-9.5%


6.1 Hard coal


 eurostat	FRANCE						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	5 779	4 862	4 532	3 166	1 972	1 483	-24.8%
Total imports	13 604	18 424	17 841	18 980	15 960	17 762	11.3%
Total exports	219	65	78	89	105	123	17.1%
Stock changes	1 004	878	-466	-894	16	-669	-4281.3%
Gross inland consumption	20 675	24 612	22 427	21 801	18 218	18 890	3.7%
Imports							
Imports by origin							
<i>among which:</i>							
USA	3 646	3 333	3 041	3 356	2 688	1 890	-29.7%
Poland	744	1 304	1 456	1 617	877	1 002	14.3%
CIS	68	102	100	353	263	324	23.2%
Australia	3 053	2 457	2 303	3 841	3 891	4 297	10.4%
South Africa	2 198	2 189	2 053	4 501	3 361	4 869	44.9%
Colombia	151	1 396	1 289	1 914	1 393	1 348	-3.2%
Consumption							
Inputs to electricity plants	8 324	12 359	10 430	10 159	7 518	8 581	14.1%
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	188	195	379	8	123	21	-82.9%
Industry							
<i>among which:</i>							
Iron&steel industry	3 377	2 252	2 394	2 462	2 251	2 506	11.3%
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	365	310p	-	-	-	334	
Non-met. mineral prod.	329	290p	202	201	200	234	17.0%
Food, drink, tobacco	-	-	597	557	477	510	6.9%
Pulp, paper and print	315	280p	183	163	143	143	0.0%
Engineering & metal	-	-	27	18	9	2	-77.8%
Other industries	255	250p	-	-	-	-	-
Services & households etc.	1 139	849	860	698	732	668	-8.7%
Structural data							
Personnel employed underground (annual mean in 1000's)	5.3	5.1	5.0	5.0	4.5	4.3	-4.4%
Number of active hard coal mines (end of year)	4	4	4	4	4	4	0.0%

6.2 Coal derivatives and peat

		FRANCE						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		5 439	5 500	5 418	5 234	5 091	4 552	-10.6%
Patent Fuel		231	194	163	122	83	70	-15.7%
Lignite and peat		1 030	737	560	296	324	147	-54.6%
Brown coal briquettes		-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		43 794	43 690	43 859	41 780	39 505	34 765	-12.0%
Blast-furnace gas		65 790	67 356	68 346	70 428	61 534	66 237	7.6%
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		3 913	3 990	3 519	3 491	3 245	3 299	1.7%
<i>among which:</i>								
Iron & steel industry		3 167	3 300	2 848	2 856	3 157	2 578	-18.3%
Services & households		81	71	56	50	44	39	-11.4%
Patent Fuel		359	278	233	198	147	139	-5.4%
<i>among which:</i>								
Services & households		359	278	233	198	147	139	-5.4%
Lignite and peat		172	135	60	89	109	25	-77.1%
<i>among which:</i>								
Industry		137	104	35	53	59	24	-59.3%
Services & households		35	31	25	36	50	1	-98.0%
Brown coal briquettes		-	-	-	-	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		22 972	23 538	21 416	18 973	19 693	18 140	-7.9%
Blast-furnace gas		23 800	25 300	25 621	27 058	24 129	26 000	7.8%
Gasworks gas		3 059	2 743	-	-	-	-	-
Inputs to electricity plants		33 930	38 081	42 599	45 868	37 107	39 396	6.2%
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		21 704	21 402	21 103	18 382	18 941	16 627	-12.2%
Consumption in industry		48 233	50 087	47 037	46 031	43 822	44 140	0.7%

7. Renewable energy sources

		FRANCE						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	16 706	16 980	17 635	17 540	18 046	16 091	-10.8%
Hydro (excl. pumping)		5 399	5 388	6 271	5 805	6 449	5 254	-18.5%
Wind		2	4	3	7	11	23	116.1%
Solar		16	17	18	25	18	19	2.1%
Geothermal		122	117	112	124	109	107	-2.1%
Biomass		11 167	11 453	11 232	11 579	11 459	10 689	-6.7%
	<i>among which:</i>							
Wood, wood-waste		9 214	9 484	9 234	9 231	9 387	8 573	-8.7%
Municipal solid waste		1 514	1 560	1 560	1 854	1 908	1 932	1.3%
Biogas		143	150	158	171	164	184	11.9%
Gross inland consumption		16 706	16 980	17 635	17 545	18 046	16 091	-10.8%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		1 721	1 675	1 662	1 874	1 823	1 925	5.6%
	<i>among which:</i>							
Wood, wood-waste		190	192	171	213	195	197	0.7%
Municipal waste		1 514	1 466	1 466	1 559	1 536	1 621	5.6%
Biogas		16	17	24	102	92	107	16.5%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	9 584	9 913	9 699	9 859	9 766	8 889	-9.0%
	<i>by sector:</i>							
Industry		1 628	1 650	1 638	1 679	1 455	1 486	2.1%
Services & households etc.		7 661	8 004	7 782	7 852	8 310	7 403	-10.9%
Transport		295	259	279	328	-	-	-
	<i>by source:</i>							
Biomass		9 446	9 779	9 570	9 710	9 638	8 764	-9.1%
	<i>among which:</i>							
Wood, wood-waste		9 024	9 292	9 063	9 018	9 191	8 376	-8.9%
Municipal waste		-	94	94	294	372	311	-16.3%
Biogas		127	133	133	69	75	77	2.6%
Geothermal		122	117	112	124	109	107	-2.1%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	1	7	600.0%
Hydro with installed capacity < 1 MW		1 476	1 566	1 601	1 656	1 434	1 560	8.8%
Hydro with installed capacity > 1 & <10 MW		5 278	5 674	5 983	5 961	5 632	5 061	-10.1%
Hydro with installed capacity > 10 MW		57 052	56 288	64 676	59 157	67 515	53 946	-20.1%
Wood, Wood-waste		1 807	1 745	1 485	1 422	1 502	1 324	-11.9%
Municipal waste		1 099	1 140	1 140	1 522	1 505	1 785	18.6%
Biogas		143	145	145	346	601	406	-32.4%

	FRANCE						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	-	-	8	11	6	8	33.3%
Hydro with installed capacity < 1 MW	427	420	406	407	325	327	0.6%
Hydro with installed capacity > 1 & <10 MW	1 577	1 585	1 610	1 549	1 387	1 410	1.7%
Hydro with installed capacity > 10 MW	19 018	19 248	18 614	19 098	19 258	19 337	0.4%
Wood, Wood-waste	340	340	340	340p	340p	340p	0.0%
Municipal waste	272	272	272	272	272	272p	0.0%
Biogas	-	-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>						
	363	319	344	398	391	417	6.6%
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	438	460	475	543	441	536	21.5%

1. Energy economy

Key figures and energy indicators

eurostat		IRELAND					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	2 843	2 479	2 611	2 111	1 730	1 499
Net energy imports		9 487	10 624	11 689	12 213	13 587	13 661
Net oil imports		6 668	7 400	8 281	8 028	8 836	8 803
Net gas imports		865	1 396	1 894	2 478	2 925	3 001
Gross inland energy consumption		12 247	13 041	13 804	14 242	14 806	15 156
Final energy consumption		8 658	9 306	9 825	10 506	10 876	11 038
Industry		1 939	1 994	2 068	2 271	2 242	2 219
Transport		2 922	3 295	3 677	3 921	4 273	4 384
Services and households etc.		3 796	4 018	4 079	4 314	4 362	4 434
Gross electricity generation	GWh	19 961	21 155	22 051	23 978	24 956	25 195
Final electricity consumption		16 690	17 668	18 802	20 201	20 929	21 832
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	61 034	66 309	73 790	81 229	86 258	92 225
Population	1000 per.	3 673	3 715	3 756	3 801	3 863	3 932
Industry added value	Mio EUR	:	:	:	:	:	:
Total imports (current prices)	Mio EUR	43 380	54 424	60 999	74 017	78 804	80 631
among which:							
All energy commodities		1 208	997	1 280	2 271	2 097	1 862
Oil products		944	725	976	1 861	1 561	1 465
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	200.7	196.7	187.1	175.3	171.7	164.3
Final energy consumption / GDP(95)		141.9	140.3	133.2	129.3	126.1	119.7
Energy intensity of industry:							
Final consumption / gross value-added mp		:	:	:	:	:	:
Energy intensity of service sector:							
Final consumption / gross value-added mp		:	:	:	:	:	:
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 334	3 510	3 675	3 747	3 833	3 854
Final energy consumption / capita		2 357	2 505	2 616	2 764	2 816	2 807
Household consumption / capita		614	647	640	654	675	667
Electricity consumption / capita	kWh/cap.	5 161	5 350	5 595	5 967	6 071	6 115
Energy dependency							
Net energy imports / Gross consumption	in %	76.5	80.5	83.6	84.9	90.8	89.3
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	70.7	71.4	71.2	73.8	73.5	72.8
Efficiency of thermal power stations		38.1	37.8	37.4	40.2	39.3	40.2

2. Energy balance

Principal aggregates by product

eurostat	IRELAND						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	2 843	2 479	2 611	2 111	1 730	1 499	-13.3%
among which:							
Hard coal	-	-	-	-	-	-	-
Lignite and peat	739	813	1 251	894	810	534	-34.1%
Crude oil	-	-	-	-	-	-	-
Natural Gas	1 906	1 407	1 103	958	659	678	2.9%
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	58	79	73	73	51	78	53.0%
Biomass	135	166	167	164	180	176	-2.7%
Imports							
Total	10 821	11 886	12 794	13 532	14 900	15 135	1.6%
among which:							
Hard coal	1 942	1 809	1 508	1 709	1 836	1 800	-2.0%
Crude oil and feedstocks	2 917	3 155	2 863	3 070	3 395	3 374	-0.6%
Petroleum products	5 068	5 488	6 502	6 260	6 721	6 886	2.5%
Natural Gas	865	1 396	1 894	2 478	2 925	3 001	2.6%
Electricity	6	13	25	15	3	49	1386.8%
Exports							
Total	1 334	1 263	1 105	1 318	1 313	1 474	12.2%
among which:							
Crude oil and feedstocks	-	-	-	-	-	88	-
Petroleum products	1 317	1 243	1 084	1 302	1 279	1 369	7.0%
Natural gas	-	-	-	-	-	-	-
Electricity	7	6	4	6	25	5	-78.5%
Gross inland consumption							
Total	12 247	13 041	13 804	14 242	14 806	15 156	2.4%
among which:							
Solid fuels	2 867	2 847	2 501	2 566	2 613	2 584	-1.1%
Crude oil and petrol. prod.	6 412	7 125	8 029	7 974	8 371	8 562	2.3%
Natural gas	2 772	2 803	2 997	3 436	3 584	3 679	2.6%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	198	259	257	258	261	288	10.4%
Transformation input							
Total	7 325	7 815	7 759	8 267	8 740	8 385	-4.1%
among which:							
Crude oil and feedstocks	2 929	3 184	2 832	3 310	3 430	3 230	-5.8%
Petroleum products	793	1 088	1 357	1 073	1 193	915	-23.3%
Hard coal	1 450	1 473	1 285	1 441	1 528	1 474	-3.5%
Lignite and peat	743	692	743	595	714	682	-4.4%
Renewables	22	30	32	24	24	19	-20.1%
Transformation output							
Total	4 690	5 019	4 811	5 397	5 582	5 366	-3.9%
among which:							
Electricity	1 631	1 702	1 786	1 942	2 038	2 024	-0.7%
Heat	-	-	-	-	-	-	-

Final energy consumption

Total	8 658	9 306	9 825	10 506	10 876	11 038	1.5%
<i>among which:</i> Solid fuels	865	856	565	557	503	486	-3.4%
Petroleum products	5 374	5 832	6 472	6 871	7 183	7 321	1.9%
Natural Gas	871	964	1 036	1 201	1 234	1 197	-3.0%
Renewables	113	135	135	140	156	156	0.0%
Electricity	1 435	1 519	1 617	1 737	1 800	1 877	4.3%

Final energy consumption by sector
Industry

Total	1 939	1 994	2 068	2 271	2 242	2 219	-1.0%
<i>among which:</i> Solid fuels	89	77	64	51	48	39	-18.1%
Petroleum Products	835	819	887	990	977	942	-3.6%
Natural Gas	379	400	404	470	440	432	-2.0%
Renewables	68	87	87	96	109	109	0.0%
Electricity	569	609	625	664	667	697	4.5%


Transport

Total	2 922	3 295	3 677	3 921	4 273	4 384	2.6%
<i>among which:</i> Motor spirit	1 236	1 374	1 486	1 570	1 630	1 667	2.3%
Diesel oil	1 222	1 444	1 631	1 715	1 880	1 913	1.7%
Jet fuel	433	448	529	613	736	782	6.1%
Electricity	2	2	2	2	2	2	-11.5%


Services&households

Total	3 796	4 018	4 079	4 314	4 362	4 434	1.7%
<i>among which:</i> Solid fuels	776	778	501	506	455	447	-1.8%
Gas oil	1 006	995	1 051	1 121	1 062	1 068	0.6%
Natural Gas	492	564	631	730	794	765	-3.6%
Renewables	46	48	48	44	47	47	0.0%
Electricity	864	908	989	1 070	1 130	1 178	4.2%
Heat	-	-	-	-	-	-	-


3.1 Electricity balance

 eurostat	IRELAND						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	19 961	21 155	22 051	23 978	24 956	25 195	1.0%
<i>among which:</i>							
Hydro	942	1 189	1 090	1 150	920	1 264	37.4%
Wind	50	169	187	244	334	388	16.2%
Geothermal	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Conventional thermal	18 969	19 797	20 774	22 584	23 702	23 543	-0.7%
<i>of which:</i>							
Hard coal	6 781	6 734	5 833	6 817	7 065	6 818	-3.5%
Lignite and peat	2 059	1 697	1 682	1 770	2 193	2 075	-5.4%
Petroleum products	3 466	4 850	6 170	4 639	5 204	3 738	-28.2%
Natural gas	6 574	6 430	6 956	9 262	9 143	10 830	18.5%
Derived gases	-	-	-	-	-	-	-
Biomass	27	85	91	96	97	82	-15.5%
Industrial wastes	62	1	42	-	-	-	-
Total net generation	18 830	20 003	20 889	22 775	23 679	23 926	1.0%
Imports and exports							
Total imports	64	152	290	169	38	565	1386.8%
Total exports	76	73	49	71	288	62	-78.5%
Consumption and losses							
Consumption of the energy branch	1 331	1 372	1 399	1 550	1 546	1 548	0.1%
<i>of which:</i>							
Consumption for pumped-storage	110	120	123	145	157	182	15.9%
Network losses	1 661	1 921	1 869	2 020	1 907	1 966	3.1%
Final energy consumption	16 690	17 668	18 802	20 201	20 929	21 832	4.3%
<i>of which:</i>							
Industry	6 613	7 087	7 271	7 727	7 760	8 110	4.5%
<i>among which:</i>							
Iron&steel industry	282	302	310	329	150	22	-85.3%
Non-ferrous metals	308	330	339	364	374	323	-13.6%
Chemical industry	882	945	970	1 022	1 051	1 137	8.2%
Non-met. mineral prod.	543	582	597	639	657	646	-1.7%
Food, drink, tobacco	1 601	1 716	1 761	1 896	1 950	2 015	3.3%
Pulp, paper and print	147	158	162	172	177	168	-5.1%
Engineering & metal	869	931	955	1 023	1 052	1 130	7.4%
Other industries	1 367	1 465	1 502	1 562	1 608	1 939	20.6%
Transport	23	24	25	26	26	23	-11.5%
Services & households etc.	10 054	10 557	11 506	12 448	13 143	13 699	4.2%
<i>among which:</i>							
Households	5 321	5 520	6 544	6 945	7 333	7 449	1.6%


3.2 Electrical capacity, fuel inputs and heat


		IRELAND						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	4 297	4 457	4 346	4 705	4 717	5 429	15.1%
<i>by source:</i>								
Conventional thermal		3 720	3 872	3 754	4 064	4 064	4 760	17.1%
<i>of which:</i>								
Steam		2 802	2 802	2 728	2 858	2 858	2 811	-1.6%
Gas turbine		529	679	713	423	423	433	2.4%
Combined cycle		275	275	275	735	735	1 464	99.2%
Internal combustion		102	116	38	48	48	52	8.3%
Nuclear		-	-	-	-	-	-	-
Hydro		525	525	525	525	528	531	0.6%
<i>among which:</i>								
Pumped storage		292	292	292	292	292	292	0.0%
Wind		52	60	67	116	125	138	10.4%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		4 161	4 325	4 250	4 614	4 589	5 298	15.4%
Autoproducers		130	132	96	128	128	131	2.3%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	4 277	4 505	4 770	4 831	5 180	5 031	-2.9%
<i>among which:</i>								
Hard coal		1 450	1 473	1 285	1 441	1 528	1 474	-3.5%
Lignite and peat		624	565	586	469	584	557	-4.6%
Petroleum products		793	1 088	1 357	1 073	1 193	915	-23.3%
Natural gas		1 388	1 348	1 509	1 825	1 851	2 065	11.5%
Renewables		22	30	32	24	24	19	-20.1%
Heating plants		-	-	-	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	-	-	-	-	-	-	-
<i>among which: in heating plants</i>								
		-	-	-	-	-	-	-
Heat consumption		-	-	-	-	-	-	-
<i>of which: in industry</i>								
		-	-	-	-	-	-	-
<i>in households and services</i>								
		-	-	-	-	-	-	-
<i>among which: in households</i>								
		-	-	-	-	-	-	-

4.1 Crude oil and feedstocks


 eurostat		IRELAND						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		2 909	3 148	2 848	3 055	3 371	3 343	-0.8%
Total exports		-	-	-	-	-	87	
Stock changes		11	-114	-27	329	9	-57	-733.3%
Refinery intake		2 921	3 177	2 817	3 294	3 406	3 200	-6.0%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		2 886	3 047	2 707	3 013	2 862	1 970	-31.2%
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	3 088	3 340	3 700	3 530	:	:	
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		500	530	530	460	:	:	

4.2 Petroleum products


 eurostat	IRELAND						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	2 908	3 163	2 831	3 286	3 365	3 154	-6.3%
<i>among which:</i>							
Motor spirit	452	468	435	532	669	660	-1.3%
Kerosene and jet fuel	224	211	217	249	241	314	30.3%
Naphtha	94	121	114	104	12	30	150.0%
Gas/diesel oil	1 000	1 122	982	1 133	1 173	955	-18.6%
Residual fuel oil	1 022	1 099	988	1 158	1 132	1 047	-7.5%
Total imports	5 121	5 541	6 558	6 305	6 803	6 954	2.2%
Total exports	1 356	1 288	1 121	1 346	1 318	1 400	6.2%
Bunkers	151	158	172	151	161	149	-7.5%
Stock changes	-121	-9	-54	-218	-313	-31	-90.1%
Gross inland consumption	3 493	4 086	5 211	4 590	5 011	5 374	7.2%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	-	14	-	-	11	62	463.6%
United Kingdom	3 310	5 161	6 210	5 716	5 960	5 775	-3.1%
Norway	-	-	-	-	34	607	1685.3%
OPEC	-	80	-	-	-	68	
Imports by product							
<i>among which:</i>							
Motor spirit	788	868	990	1 015	1 001	1 035	3.4%
Kerosene and jet fuel	688	747	932	1 050	1 196	1 337	11.8%
Gas/diesel oil	1 560	1 714	1 948	2 076	2 069	2 320	12.1%
Residual fuel oil	1 584	1 705	2 207	1 582	1 831	1 497	-18.2%
Exports by product							
<i>among which:</i>							
Motor spirit	68	11	7	20	124	162	30.6%
Kerosene and jet fuel	36	9	3	25	16	94	487.5%
Gas/diesel oil	138	75	10	35	47	50	6.4%
Residual fuel oil	995	1 039	983	1 149	1 096	1 037	-5.4%
Consumption							
Inputs to electricity plants	829	1 138	1 419	1 122	1 247	957	-23.3%
Inputs to heating plants	-	-	-	-	-	-	-
Non-energy use	203	201	182	179	209	288	37.8%
Final energy consumption	5 315	5 769	6 399	6 816	7 117	7 271	2.2%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	166	168	179	184	185	187	1.1%
Residual fuel oil	473	456	488	519	435	391	-10.1%

 eurostat	IRELAND						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	7	7	7	6	6	5	-16.7%
Non-ferrous metals	255	253	264	280	228	200	-12.3%
Chemical industry	101	109	128	124	132	132	0.0%
Non-met. mineral prod.	158	141	164	258	326	331	1.5%
Food, drink, tobacco	163	158	167	175	164	159	-3.0%
Pulp, paper and print	10	10	11	11	10	9	-10.0%
Engineering & metal	66	67	72	76	69	67	-2.9%
Other industries	57	52	53	57	57	56	-1.8%
Transport	2 837	3 200	3 573	3 810	4 154	4 262	2.6%
<i>among which:</i>							
Motor spirit	1 176	1 307	1 414	1 494	1 551	1 586	2.3%
Jet fuel	422	436	515	597	717	761	6.1%
Diesel oil	1 210	1 429	1 614	1 697	1 861	1 893	1.7%
Services & households etc.	1 600	1 711	1 897	1 951	1 907	1 988	4.2%
<i>among which:</i>							
Gas oil	996	985	1 040	1 110	1 051	1 057	0.6%
Residual fuel oil	170	164	171	167	167	147	-12.0%
Stocks at end of period							
Crude oil and feedstocks	316	430	457	128	121	176	45.5%
Petroleum products	931	940	1 042	1 271	1 373	1 403	2.2%


5. Natural gas

 eurostat	IRELAND							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		88 678	65 448	51 329	44 581	30 639	31 519	2.9%
Total imports		40 261	64 933	88 099	115 259	136 078	139 612	2.6%
Total exports		-	-	-	-	-	-	-
Stock changes		-	-	-	-	-	-	-
Gross inland consumption		128 939	130 381	139 428	159 840	166 717	171 131	2.6%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		-	-	-	-	-	-	-
Algeria		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Consumption								
Inputs to electricity plants		64 569	62 693	70 200	84 880	86 131	96 043	11.5%
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-
Distribution losses		2 194	1 480	2 012	1 306	2 174	2 195	1.0%
Non-energy use		21 659	21 370	19 029	17 804	20 996	16 354	-22.1%
Industry		17 644	18 610	18 815	21 867	20 490	20 075	-2.0%
<i>among which:</i>								
Iron&steel industry		804	838	964	838	33	32	-3.0%
Non-ferrous metals		-	-	-	-	-	-	-
Chemical industry		5 860	6 110	6 026	7 543	7 962	5 104	-35.9%
Non-met. mineral prod.		2 107	2 197	1 247	1 846	1 913	1 746	-8.7%
Food, drink, tobacco		6 758	7 046	5 796	7 465	7 331	6 735	-8.1%
Pulp, paper and print		-	-	-	-	-	-	-
Engineering & metal		-	-	-	-	-	-	-
Other industries		1 565	1 846	3 932	2 953	2 035	5 171	154.1%
Transport		-	-	-	-	-	-	-
Services & households etc.		22 873	26 228	29 372	33 981	36 926	35 609	-3.6%
<i>among which:</i>								
Households		13 270	15 718	17 959	20 365	22 367	22 077	-1.3%
Services		9 603	10 510	11 413	13 616	14 559	13 532	-7.1%


6.1 Hard coal


 eurostat	IRELAND							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	3 070	2 860	2 384	2 630	2 919	2 803	-4.0%	
Total exports	6	5	5	3	3	5	66.7%	
Stock changes	-233	22	95	201	-13	-82	-530.8%	
Gross inland consumption	2 831	2 877	2 474	2 828	2 903	2 716	-6.4%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	676	1 025	723	442	332	332	0.0%	
Poland	386	248	254	172	264	227	-14.0%	
CIS	-	-	-	-	-	-	-	
Australia	-	163	-	284	405	511	26.2%	
South Africa	202	217	117	409	-	300	-	
Colombia	1 558	1 010	1 021	883	866	868	0.2%	
Consumption								
Inputs to electricity plants	2 268	2 308	2 014	2 362	2 476	2 397	-3.2%	
Inputs to heat plants	-	-	-	-	-	-	-	
Consumption of energy branch	-	-	-	-	-	-	-	
Industry								
<i>among which:</i>								
Iron&steel industry	-	-	-	-	-	-	-	
Non-ferrous metals	-	-	-	-	-	-	-	
Chemical industry	-	-	-	-	-	-	-	
Non-met. mineral prod.	74	80	57	45	44	11	-75.0%	
Food, drink, tobacco	37	41	43	33	32	30	-6.3%	
Pulp, paper and print	-	-	-	-	-	-	-	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	-	-	-	-	-	20	-	
Services & households etc.	408	414	339	357	319	288	-9.7%	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

	IRELAND						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	-	-	-	-	-	-	-
Patent Fuel	31	30	31	47	47	55	17.0%
Lignite and peat	3 338	3 670	5 650	4 808	4 357	2 870	-34.1%
Brown coal briquettes	253	264	330	274	280	273	-2.5%
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	-	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-	-
Gasworks gas	-	-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	-	-	-	-	-	-	-
<i>among which:</i>							
Iron & steel industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Patent Fuel	31	29	24	41	41	46	12.2%
<i>among which:</i>							
Services & households	31	29	24	41	41	46	12.2%
Lignite and peat	1 190	1 154	658	572	615	622	1.1%
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	1 190	1 154	658	572	615	622	1.1%
Brown coal briquettes	252	276	276	316	255	261	2.4%
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	252	276	276	316	255	261	2.4%
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	-	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-	-
Gasworks gas	-	-	-	-	-	-	-
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Consumption in industry	-	-	-	-	-	-	-

7. Renewable energy sources

		IRELAND						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	198	259	257	258	261	288	10.4%
Hydro (excl. pumping)		58	79	73	73	51	78	53.0%
Wind		4	15	16	21	29	33	16.2%
Solar		0	0	0	0	0	0	40.0%
Geothermal		0	0	0	0	0	0	42.8%
Biomass		135	166	167	164	180	176	-2.7%
	<i>among which:</i>							
Wood, wood-waste		109	131	131	136	152	152	0.0%
Municipal solid waste		-	-	-	-	-	-	-
Biogas		26	35	37	28	28	23	-17.0%
Gross inland consumption		198	259	257	258	261	288	10.4%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		22	30	32	24	24	19	-20.1%
	<i>among which:</i>							
Wood, wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		22	30	32	24	24	19	-20.1%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	113	136	136	141	157	157	0.1%
	<i>by sector:</i>							
Industry		68	87	87	96	109	109	0.0%
Services & households etc.		46	48	48	45	48	48	0.3%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		113	135	135	140	156	156	0.0%
	<i>among which:</i>							
Wood, wood-waste		109	131	131	136	152	152	0.0%
Municipal waste		-	-	-	-	-	-	-
Biogas		4	4	4	4	4	4	0.0%
Geothermal		0	0	0	0	0	0	42.8%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		23	26	27	27	25	31	24.0%
Hydro with installed capacity > 1 & <10 MW		70	86	96	96	68	24	-64.7%
Hydro with installed capacity > 10 MW		620	809	723	723	503	857	70.4%
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		81	85	91	96	97	82	-15.5%

	IRELAND						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW	8	8	7	7	10	9	-10.0%
Hydro with installed capacity > 1 & <10 MW	47	47	27	27	27	7	-74.1%
Hydro with installed capacity > 10 MW	182	182	199	199	199	222	11.6%
Wood, Wood-waste	-	-	-	-	-	-	-
Municipal waste	-	-	-	-	-	-	-
Biogas	12	12	15	15	15	19	26.7%
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	3	5	5	5	5	5	0.0%


1. Energy economy

Key figures and energy indicators

eurostat		ITALIA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	30 220	30 058	28 914	26 780	25 649	26 206
Net energy imports		134 557	140 735	143 635	153 074	147 796	153 021
Net oil imports		88 285	90 434	87 311	88 578	84 670	86 478
Net gas imports		31 976	34 889	40 486	47 008	44 810	48 517
Gross inland energy consumption		163 539	168 534	170 914	172 478	172 713	173 550
Final energy consumption		115 309	118 622	122 998	123 036	125 990	124 530
Industry		36 715	35 946	38 127	39 274	39 637	38 896
Transport		38 670	40 921	41 440	41 263	41 895	42 382
Services and households etc.		39 925	41 756	43 431	42 499	44 458	43 252
Gross electricity generation	GWh	250 769	259 054	264 994	276 623	278 995	284 401
Final electricity consumption		247 814	254 747	261 030	272 547	277 328	282 305
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	865 400	880 925	895 581	922 691	938 969	942 346
Population	1000 per.	57 512	57 588	57 646	57 762	57 419	57 157
Industry added value	Mio EUR	240 407	243 832	244 835	250 996	251 806	252 262
Total imports (current prices)	Mio EUR	211 450	230 232	243 017	260 350	261 604	261 028
among which:							
All energy commodities		14 579	10 739	13 332	24 993	24 206	23 230
Oil products		13 112	9 473	11 944	23 293	20 627	19 629
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	189.0	191.3	190.8	186.9	183.9	184.2
Final energy consumption / GDP(95)		133.2	134.7	137.3	133.3	134.2	132.1
Energy intensity of industry:							
Final consumption / gross value-added mp		152.7	147.4	155.7	156.5	157.4	154.2
Energy intensity of service sector:							
Final consumption / gross value-added mp		9.2	9.3	8.9	9.1	9.3	20.6
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 844	2 927	2 965	2 986	3 008	3 036
Final energy consumption / capita		2 005	2 060	2 134	2 130	2 194	2 179
Household consumption / capita		551	580	612	587	618	478
Electricity consumption / capita	kWh/cap.	4 236	4 392	4 432	4 666	4 742	5 010
Energy dependency							
Net energy imports / Gross consumption	in %	81.1	82.2	82.9	87.4	84.2	86.7
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	70.5	70.4	72.0	71.3	72.9	71.8
Efficiency of thermal power stations		40.2	40.1	39.9	40.5	41.8	41.3

2. Energy balance

Principal aggregates by product

 eurostat	ITALIA						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	30 220	30 058	28 914	26 780	25 649	26 206	2.2%
among which:							
Hard coal	-	-	-	-	69	104	49.0%
Lignite and peat	26	6	5	4	-	-	-
Crude oil	6 002	5 671	5 028	4 606	4 117	5 566	35.2%
Natural Gas	15 780	15 568	14 313	13 622	12 483	11 976	-4.1%
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	3 577	3 544	3 901	3 812	4 025	3 398	-15.6%
Biomass	1 246	1 401	1 624	1 572	1 653	1 566	-5.2%
Imports							
Total	155 867	163 891	164 183	174 812	170 400	174 766	2.6%
among which:							
Hard coal	10 398	11 262	11 766	12 926	13 267	12 739	-4.0%
Crude oil and feedstocks	88 507	92 765	88 525	90 892	91 787	90 505	-1.4%
Petroleum products	20 880	20 644	19 161	19 255	15 332	17 507	14.2%
Natural Gas	32 011	34 927	40 528	47 049	44 861	48 560	8.2%
Electricity	3 425	3 580	3 658	3 855	4 207	4 430	5.3%
Exports							
Total	21 311	23 156	20 548	21 738	22 605	21 744	-3.8%
among which:							
Crude oil and feedstocks	421	414	280	529	614	402	-34.5%
Petroleum products	20 681	22 562	20 095	21 041	21 835	21 131	-3.2%
Natural gas	34	38	42	41	51	43	-16.2%
Electricity	86	77	45	42	47	79	67.9%
Gross inland consumption							
Total	163 539	168 534	170 914	172 478	172 713	173 550	0.5%
among which:							
Solid fuels	11 218	11 706	11 768	12 660	13 492	13 717	1.7%
Crude oil and petrol. prod.	92 660	92 920	89 874	88 898	87 253	88 325	1.2%
Natural gas	47 486	51 126	55 569	57 940	58 099	57 705	-0.7%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	8 732	9 175	9 941	9 034	9 514	9 126	-4.1%
Transformation input							
Total	148 341	153 280	147 841	150 660	149 435	152 041	1.7%
among which:							
Crude oil and feedstocks	98 255	101 652	96 035	96 874	97 965	98 041	0.1%
Petroleum products	23 266	21 930	18 993	18 960	16 516	17 517	6.1%
Hard coal	9 499	10 018	9 914	10 653	11 472	11 928	4.0%
Lignite and peat	23	65	54	1	1	-	-
Renewables	178	244	324	337	410	498	21.5%
Transformation output							
Total	120 660	124 478	118 084	119 648	120 889	121 146	0.2%
among which:							
Electricity	17 609	18 245	18 356	19 361	19 251	20 270	5.3%
Heat	-	-	-	-	-	-	-

Final energy consumption

Total	115 309	118 622	122 998	123 036	125 990	124 530	-1.2%
<i>among which:</i> Solid fuels	3 871	3 939	3 725	3 512	3 822	3 229	-15.5%
Petroleum products	53 511	54 563	57 204	56 146	57 457	57 239	-0.4%
Natural Gas	34 418	36 219	37 665	37 611	38 749	37 840	-2.3%
Renewables	1 288	1 337	1 439	1 721	1 777	1 633	-8.1%
Electricity	21 308	21 904	22 445	23 435	23 846	24 274	1.8%

Final energy consumption by sector
Industry

Total	36 715	35 946	38 127	39 274	39 637	38 896	-1.9%
<i>among which:</i> Solid fuels	3 745	3 872	3 660	3 449	3 749	3 213	-14.3%
Petroleum Products	6 489	5 185	6 595	6 409	6 596	6 494	-1.5%
Natural Gas	15 018	15 343	15 864	16 625	16 653	16 589	-0.4%
Renewables	152	188	202	207	215	208	-3.3%
Electricity	10 623	10 924	11 509	12 197	12 313	12 305	-0.1%


Transport

Total	38 670	40 921	41 440	41 263	41 895	42 382	1.2%
<i>among which:</i> Motor spirit	18 235	18 790	18 469	17 534	17 192	16 807	-2.2%
Diesel oil	15 102	16 305	16 952	17 654	18 712	19 854	6.1%
Jet fuel	2 710	3 173	3 555	3 491	3 393	3 184	-6.2%
Electricity	664	676	678	695	703	733	4.3%


Services&households

Total	39 925	41 756	43 431	42 499	44 458	43 252	-2.7%
<i>among which:</i> Solid fuels	126	67	65	63	73	16	-77.6%
Gas oil	7 176	7 235	7 202	6 771	7 271	6 770	-6.9%
Natural Gas	19 122	20 590	21 513	20 659	21 729	20 889	-3.9%
Renewables	1 136	1 149	1 237	1 514	1 562	1 426	-8.7%
Electricity	10 021	10 304	10 258	10 543	10 830	11 236	3.8%
Heat	-	-	-	-	-	-	-


3.1 Electricity balance

 eurostat	ITALIA						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	250 769	259 054	264 994	276 623	278 995	284 401	1.9%
<i>among which:</i>							
Hydro	46 552	47 365	51 777	50 900	53 926	47 262	-12.4%
Wind	118	232	403	563	1 179	1 404	19.1%
Geothermal	3 905	4 214	4 403	4 705	4 507	4 662	3.4%
Nuclear	-	-	-	-	-	-	-
Conventional thermal	200 194	207 243	208 411	220 455	219 383	231 073	5.3%
<i>of which:</i>							
Hard coal	20 384	22 987	23 551	25 990	31 727	35 447	11.7%
Lignite and peat	134	324	261	282	3	-	
Petroleum products	113 312	107 305	91 379	85 878	75 008	87 767	17.0%
Natural gas	61 293	70 883	86 983	101 360	95 906	99 414	3.7%
Derived gases	4 251	4 516	4 413	4 252	5 045	5 021	-0.5%
Biomass	820	1 228	1 824	1 591	2 586	2 371	-8.3%
Industrial wastes	-	-	-	1 102	9 108	1 053	-88.4%
Total net generation	238 639	246 264	252 109	263 623	265 965	270 782	1.8%
Imports and exports							
Total imports	39 827	41 633	42 538	44 831	48 927	51 519	5.3%
Total exports	995	901	528	484	549	922	67.9%
Consumption and losses							
Consumption of the energy branch	19 813	21 119	21 665	22 674	23 589	25 184	6.8%
<i>of which:</i>							
Consumption for pumped-storage	1 779	2 213	2 491	2 566	2 396	2 911	21.5%
Network losses	17 718	18 508	18 560	19 191	19 340	19 766	2.2%
Final energy consumption	247 814	254 747	261 030	272 547	277 328	282 305	1.8%
<i>of which:</i>							
Industry	123 545	127 048	133 847	141 847	143 205	143 107	-0.1%
<i>among which:</i>							
Iron&steel industry	18 469	18 823	18 355	20 346	20 846	19 966	-4.2%
Non-ferrous metals	5 394	5 441	5 234	5 526	5 714	5 619	-1.7%
Chemical industry	20 284	20 394	20 864	21 946	21 224	20 236	-4.7%
Non-met. mineral prod.	12 096	12 591	13 025	13 698	13 931	14 312	2.7%
Food, drink, tobacco	10 188	10 710	11 172	11 644	12 044	12 360	2.6%
Pulp, paper and print	9 093	9 266	9 649	10 100	10 258	10 480	2.2%
Engineering & metal	22 162	23 185	23 713	25 162	25 369	26 064	2.7%
Other industries	13 644	14 366	19 945	20 919	21 207	21 970	3.6%
Transport	7 719	7 861	7 886	8 086	8 171	8 521	4.3%
Services & households etc.	116 550	119 838	119 297	122 614	125 952	130 677	3.8%
<i>among which:</i>							
Households	58 485	59 275	60 717	61 112	61 553	62 957	2.3%


3.2 Electrical capacity, fuel inputs and heat


		ITALIA						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	70 252	72 352	73 684	75 334	76 233	79 744	4.6%
<i>by source:</i>								
Conventional thermal		49 657	51 583	52 426	54 035	54 477	54 521	0.1%
<i>of which:</i>								
Steam		40 020	40 745	40 728	40 048	39 278	39 278p	0.0%
Gas turbine		5 592	5 623	6 027	5 314	5 371	5 371p	0.0%
Combined cycle		3 504	4 554	4 924	7 839	8 978	8 978p	0.0%
Internal combustion		541	651	747	833	850	850p	0.0%
Nuclear		-	-	-	-	-	-	-
Hydro		19 946	20 058	20 444	20 346	20 519	23 777	15.9%
<i>among which:</i>								
Pumped storage		6 886	7 000	7 027	6 957	7 063	6 957	-1.5%
Wind		120	164	229	363	664	780	17.5%
Geothermal		529	547	585	590	573	666	16.2%
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		59 667	60 533	61 252	75 493	76 233	79 744	4.6%
Autoproducers		10 749	11 983	12 596	409	-	-	-
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	43 850	45 506	45 965	47 828	46 062	49 117	6.6%
<i>among which:</i>								
Hard coal		4 491	5 027	5 123	5 826	6 988	7 954	13.8%
Lignite and peat		23	65	54	1	1	-	-
Petroleum products		23 261	21 925	18 989	18 955	16 512	17 517	6.1%
Natural gas		11 582	13 533	16 577	18 689	17 911	18 491	3.2%
Renewables		3 536	3 868	4 110	3 227	3 381	3 745	10.8%
Heating plants		-	-	-	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	-	-	-	-	-	-	-
<i>among which: in heating plants</i>								
		-	-	-	-	-	-	-
Heat consumption		-	-	-	-	-	-	-
<i>of which: in industry</i>								
		-	-	-	-	-	-	-
	in households and services	-	-	-	-	-	-	-
<i>among which: in households</i>								
		-	-	-	-	-	-	-

4.1 Crude oil and feedstocks


 eurostat		ITALIA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		5 948	5 622	4 998	4 585	4 097	5 535	35.1%
Total imports		87 658	91 925	87 931	90 403	91 250	89 910	-1.5%
Total exports		416	408	276	521	605	396	-34.5%
Stock changes		81	-88	103	-758	196	-158	-180.6%
Refinery intake		97 293	100 709	95 381	96 336	97 381	97 385	0.0%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		57 442	60 348	52 227	55 055	48 894	44 638	-8.7%
Near and Middle East		27 574	34 362	31 290	30 656	29 017	25 588	-11.8%
Africa		31 758	35 738	29 525	32 189	30 665	31 025	1.2%
<i>by country of origin:</i>								
Algeria		1 923	1 685	2 011	3 190	2 765	2 591	-6.3%
Nigeria		2 242	1 669	1 262	1 142	1 752	1 318	-24.8%
Saudi Arabia		13 261	12 496	8 343	8 407	8 933	8 457	-5.3%
Kuwait		4	-	128	1 574	653	55	-91.6%
United Arab Emirates		-	-	-	-	-	-	-
Norway		2 892	3 746	4 259	3 650	2 927	5 409	84.8%
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	113 200	115 500	115 500	115 500	:	:	
<i>among which:</i>								
Cracking and others		47 800	57 040	58 040	60 470	:	:	
Reforming		11 800	13 880	13 950	13 450	:	:	

4.2 Petroleum products


 eurostat	ITALIA						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	96 346	99 797	94 222	95 074	96 535	96 233	-0.3%
among which:							
Motor spirit	21 393	21 348	20 182	19 494	21 093	20 810	-1.3%
Kerosene and jet fuel	5 175	5 344	4 847	4 476	4 071	4 306	5.8%
Naphtha	4 370	5 132	3 483	2 998	2 203	2 423	10.0%
Gas/diesel oil	34 562	36 272	34 527	36 487	37 076	38 993	5.2%
Residual fuel oil	19 418	20 486	19 409	19 455	19 295	17 190	-10.9%
Total imports	21 787	21 629	19 957	20 079	15 996	18 316	14.5%
Total exports	20 611	22 476	20 078	21 050	21 816	21 065	-3.4%
Bunkers	2 455	2 700	2 485	2 785	2 900	3 080	6.2%
Stock changes	759	-505	-91	-1 038	1 077	-555	-151.5%
Gross inland consumption	-520	-4 052	-2 697	-4 794	-7 643	-6 384	16.5%
Imports and exports							
Imports by origin							
among which:							
Netherlands	776	404	300	372	236	358	51.7%
United Kingdom	3 225	2 597	1 522	1 696	1 452	1 381	-4.9%
Norway	859	934	399	167	246	188	-23.6%
OPEC	6 005	6 729	8 068	10 104	5 946	7 653	28.7%
Imports by product							
among which:							
Motor spirit	948	898	726	598	615	572	-7.0%
Kerosene and jet fuel	-	37	417	317	338	198	-41.4%
Gas/diesel oil	703	732	1 047	893	748	1 014	35.6%
Residual fuel oil	15 021	14 349	11 911	11 744	7 690	10 774	40.1%
Exports by product							
among which:							
Motor spirit	2 726	2 759	2 729	3 985	4 279	4 807	12.3%
Kerosene and jet fuel	726	982	1 093	830	638	971	52.2%
Gas/diesel oil	10 172	11 249	8 930	8 586	9 881	9 479	-4.1%
Residual fuel oil	4 930	5 117	4 524	4 709	3 516	2 459	-30.1%
Consumption							
Inputs to electricity plants	24 307	22 903	19 797	19 636	17 230	18 285	6.1%
Inputs to heating plants	-	-	-	-	-	-	-
Non-energy use	12 978	9 807	9 634	10 175	9 605	9 698	1.0%
Final energy consumption	52 642	53 655	56 329	55 338	56 559	56 463	-0.2%
Industry							
among which <i>by product</i> :							
Gas/diesel oil	310	424	408	418	435	440	1.1%
Residual fuel oil	3 178	2 963	4 184	3 763	3 482	3 379	-3.0%

 eurostat	ITALIA						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	103	88	97	99	121	112	-7.4%
Non-ferrous metals	19	120	89	86	87	82	-5.7%
Chemical industry	2 230	601	1 226	1 038	1 388	998	-28.1%
Non-met. mineral prod.	2 671	1 985	3 321	3 513	2 948	3 066	4.0%
Food, drink, tobacco	332	335	731	628	672	798	18.8%
Pulp, paper and print	337	76	181	160	192	190	-1.0%
Engineering & metal	561	636	792	713	771	785	1.8%
Other industries	557	1 508	441	424	604	676	11.9%
Transport	36 468	38 647	39 178	38 979	39 574	40 057	1.2%
<i>among which:</i>							
Motor spirit	17 351	17 880	17 574	16 684	16 359	15 993	-2.2%
Jet fuel	2 639	3 089	3 461	3 399	3 304	3 100	-6.2%
Diesel oil	14 948	16 138	16 779	17 474	18 521	19 651	6.1%
Services & households etc.	9 060	9 190	9 856	9 231	9 771	9 201	-5.8%
<i>among which:</i>							
Gas oil	7 103	7 161	7 128	6 702	7 197	6 701	-6.9%
Residual fuel oil	153	253	378	330	350	335	-4.3%
Stocks at end of period							
Crude oil and feedstocks	5 271	5 359	5 257	5 828	5 508	5 667	2.9%
Petroleum products	14 076	14 581	14 672	15 193	14 710	15 001	2.0%


5. Natural gas

 eurostat	ITALIA						
	in TJ (GCV)						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	734 074	724 243	665 836	633 716	580 723	557 137	-4.1%
Total imports	1 489 138	1 624 813	1 885 340	2 188 731	2 086 927	2 258 988	8.2%
Total exports	1 600	1 791	1 943	1 907	2 365	1 981	-16.2%
Stock changes	-12 571	31 128	35 814	-125 159	37 490	-129 692	-445.9%
Gross inland consumption	2 209 041	2 378 393	2 585 047	2 695 381	2 702 775	2 684 452	-0.7%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	523 646	636 003	727 443	801 548	746 531	714 642	-4.3%
Algeria	775 030	869 442	1 021 156	1 071 372	930 135	867 423	-6.7%
Norway	-	-	-	-	46 520	192 329	313.4%
Consumption							
Inputs to electricity plants	538 802	629 550	771 144	869 419	833 212	860 186	3.2%
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	15 739	15 545	15 429	18 141	11 832	15 725	32.9%
Distribution losses	9 259	5 043	12 534	12 690	8 894	5 412	-39.1%
Non-energy use	44 122	43 351	44 034	45 453	46 215	42 824	-7.3%
Industry	698 644	713 754	737 985	773 402	774 687	771 718	-0.4%
<i>among which:</i>							
Iron&steel industry	78 449	80 389	73 835	87 099	87 249	87 709	0.5%
Non-ferrous metals	15 203	16 108	16 718	17 452	17 488	17 757	1.5%
Chemical industry	128 552	129 198	148 322	139 903	140 132	134 911	-3.7%
Non-met. mineral prod.	150 950	153 725	155 901	166 763	167 259	166 268	-0.6%
Food, drink, tobacco	74 944	79 350	83 617	85 459	85 469	85 229	-0.3%
Pulp, paper and print	68 007	69 070	72 007	75 096	74 981	75 974	1.3%
Engineering & metal	90 641	93 407	92 377	101 919	102 146	102 145	0.0%
Other industries	36 350	34 683	37 384	37 569	37 643	38 862	3.2%
Transport	12 917	13 287	13 402	15 202	17 107	16 843	-1.5%
Services & households etc.	889 558	957 867	1 000 806	961 076	1 010 830	971 743	-3.9%
<i>among which:</i>							
Households	884 072	952 431	995 255	955 627	1 005 153	658 908	-34.4%
Services	0	0	0	0	0	307 233	


6.1 Hard coal


 eurostat	ITALIA						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	139	163	17.3%
Total imports	15 297	16 568	17 309	19 015	19 518	19 211	-1.6%
Total exports	-	-	-	-	-	-	-
Stock changes	709	420	-240	-1 000	-226	624	376.1%
Gross inland consumption	16 006	16 988	17 069	18 015	19 431	19 998	2.9%
Imports							
Imports by origin							
<i>among which:</i>							
USA	7 502	4 825	3 653	3 285	5 142	2 934	-42.9%
Poland	177	136	621	912	234	555	137.2%
CIS	251	126	894	1 049	868	1 453	67.4%
Australia	2 404	3 080	3 299	3 604	2 684	2 416	-10.0%
South Africa	2 938	3 947	3 785	3 722	4 639	3 871	-16.6%
Colombia	1 209	2 343	1 362	1 759	1 451	1 950	34.4%
Consumption							
Inputs to electricity plants	7 078	8 164	8 378	9 529	11 224	12 749	13.6%
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	3	3	3	49	67	113	68.7%
Industry							
<i>among which:</i>							
Iron&steel industry	1 088	1 069	1 021	1 198	1 139	996	-12.6%
Non-ferrous metals	41	47	-	34	28	2	-92.9%
Chemical industry	3	-	-	3	3	3	0.0%
Non-met. mineral prod.	535	47	844	-	544	487	-10.5%
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	38	1	3	31	29	2	-93.1%
Other industries	4	552	1	540	549	2	-99.6%
Services & households etc.	83	3	3	3	3	1	-66.7%
Structural data							
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

	ITALIA						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	5 219	5 192	4 990	4 504	4 829	4 065	-15.8%
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	102	24	19	14	-	-	-
Brown coal briquettes	-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	44 804	38 564	18 833	22 020	14 467	14 213	-1.8%
Blast-furnace gas	51 147	47 135	43 734	47 156	38 442	38 077	-0.9%
Gasworks gas	253	203	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	3 872	3 897	3 606	3 336	3 862	3 345	-13.4%
<i>among which:</i>							
Iron & steel industry	3 560	3 338	3 130	3 019	3 531	3 090	-12.5%
Services & households	102	96	93	90	104	23	-77.9%
Patent Fuel	-	-	-	-	-	-	-
<i>among which:</i>							
Services & households	-	-	-	-	-	-	-
Lignite and peat	14	12	18	26	8	9	12.5%
<i>among which:</i>							
Industry	14	12	18	26	8	9	12.5%
Services & households	-	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-	-
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	14 877	8 456	4 600	7 388	433	433	0.0%
Blast-furnace gas	12 050	7 940	5 710	6 950	1 662	668	-59.8%
Gasworks gas	253	203	-	-	-	-	-
Inputs to electricity plants	40 510	45 236	44 213	45 596	48 848	49 293	0.9%
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	27 323	23 107	7 860	9 052	2 378	1 793	-24.6%
Consumption in industry	26 927	16 396	10 310	14 338	2 095	1 101	-47.4%

7. Renewable energy sources

		ITALIA						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	8 412	8 813	9 569	8 548	8 979	8 560	-4.7%
Hydro (excl. pumping)		3 577	3 544	3 901	3 812	4 025	3 398	-15.6%
Wind		10	20	35	48	101	121	19.1%
Solar		8	11	11	12	12	11	-7.1%
Geothermal		3 571	3 836	3 999	3 103	3 188	3 464	8.7%
Biomass		1 246	1 401	1 624	1 572	1 653	1 566	-5.2%
	<i>among which:</i>							
Wood, wood-waste		978	987	1 104	1 109	1 102	930	-15.6%
Municipal solid waste		172	273	374	334	397	426	7.3%
Biogas		95	142	145	129	153	209	36.4%
Gross inland consumption		8 732	9 175	9 941	9 034	9 514	9 126	-4.1%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		3 358	3 623	3 786	2 890	2 971	3 247	9.3%
Biomass		178	244	324	337	410	498	21.5%
	<i>among which:</i>							
Wood, wood-waste		10	12	38	37	-	-	-
Municipal waste		77	106	141	172	257	289	12.5%
Biogas		91	126	145	129	153	209	36.4%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	1 509	1 559	1 662	1 945	2 005	1 861	-7.2%
	<i>by sector:</i>							
Industry		152	188	202	207	215	208	-3.3%
Services & households etc.		1 357	1 371	1 459	1 738	1 790	1 653	-7.6%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		1 288	1 337	1 439	1 721	1 777	1 633	-8.1%
	<i>among which:</i>							
Wood, wood-waste		1 288	1 337	1 439	1 559	1 637	1 496	-8.6%
Municipal waste		-	-	-	162	141	137	-2.3%
Biogas		-	-	-	-	-	-	-
Geothermal		213	213	213	213	217	217	0.0%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		15	16	17	18	5	4	-20.0%
Hydro with installed capacity < 1 MW		1 627	1 718	1 762	1 550	1 668	1 604	-3.8%
Hydro with installed capacity > 1 & <10 MW		6 497	6 602	6 840	6 567	6 989	6 444	-7.8%
Hydro with installed capacity > 10 MW		33 475	32 893	36 756	36 088	38 154	31 472	-17.5%
Wood, Wood-waste		195	271	586	221	-	-	-
Municipal waste		293	464	653	804	1 258	1 428	13.5%
Biogas		332	494	580	566	684	943	37.9%

		ITALIA						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		17	18	18	19	20	6	-70.0%
Hydro with installed capacity < 1 MW		403	406	414	300	384	398	3.6%
Hydro with installed capacity > 1 & <10 MW		1 783	1 804	1 787	1 468	1 849	1 892	2.3%
Hydro with installed capacity > 10 MW		13 942	14 028	14 370	11 621	11 223	14 530	29.5%
Wood, Wood-waste		90	154	180	180	180	155	-13.9%
Municipal waste		89	167	168	219	222	224	0.9%
Biogas		95	124	141	179	198	224	13.1%
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	-	-	-	-
Solar Panels								
Solar panel surface	<i>1000 m²</i>	180	240	240	240	240	240	0.0%

1. Energy economy

Key figures and energy indicators

		KYPROS/KIBRIS					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	9	9	44	45	44	45p
Net energy imports		2 134	2 347	2 427	2 550	2 496	2 569
Net oil imports		2 115	2 331	2 407	2 515	2 455	2 524
Net gas imports		-	-	-	-	-	-
Gross inland energy consumption		2 043	2 291	2 265	2 392	2 410	2 421p
Final energy consumption		1 439	1 508	1 575	1 644	1 689	1 647p
Industry		412	426	427	447	409	369
Transport		771	809	830	852	927	897
Services and households etc.		255	272	318	345	353	382p
Gross electricity generation	GWh	2 711	2 954	3 139	3 370	3 551	3 785
Final electricity consumption		2 382	2 615	2 768	2 996	3 110	3 385
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	7 083	7 423	7 773	8 161	8 487	8 656
Population	1000 per.	671	679	687	694	702	710
Industry added value	Mio EUR	1 516	1 541	1 554	1 576	1 596	1 626
Total imports (current prices)	Mio EUR	4 319	4 653	4 578	4 992	5 180	5 259
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	288.5	308.6	291.4	293.1	283.9	279.7
Final energy consumption / GDP(95)		203.1	203.1	202.6	201.4	199.0	190.3
Energy intensity of industry:							
Final consumption / gross value-added mp		271.6	276.4	274.6	283.6	256.3	226.7
Energy intensity of service sector:							
Final consumption / gross value-added mp		18.8	19.9	20.5	20.7	21.5	22.9
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 046	3 373	3 299	3 447	3 435	3 408
Final energy consumption / capita		2 144	2 220	2 293	2 369	2 408	2 319
Household consumption / capita		235	241	292	315	308	328
Electricity consumption / capita	kWh/cap.	4 041	4 351	4 571	4 856	5 062	5 329
Energy dependency							
Net energy imports / Gross consumption	in %	99.8	98.3	100.5	98.8	96.1	100.5
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	70.4	65.8	69.5	68.7	70.1	68.0
Efficiency of thermal power stations		32.6	32.3	32.2	33.6	35.7	38.4

2. Energy balance

Principal aggregates by product

in 1 000 toe	Kypros/Kibris						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	9	9	44	45	44	45p	1.8%
among which:							
Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	-	-	-	-	-	-	-
Biomass	9	9	10	10	10	10p	0.0%
Imports							
Total	2 134	2 347	2 427	2 550	2 496	2 569	2.9%
among which:							
Hard coal	17	14	17	33	38	42	10.0%
Crude oil and feedstocks	1 034	1 169	1 180	1 149	1 148	1 071	-6.7%
Petroleum products	1 081	1 162	1 227	1 365	1 307	1 454	11.2%
Natural Gas	-	-	-	-	-	-	-
Electricity	-	-	-	-	-	-	-
Exports							
Total	-	-	-	-	-	-	-
among which:							
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-	-
Electricity	-	-	-	-	-	-	-
Gross inland consumption							
Total	2 043	2 291	2 265	2 392	2 410	2 421p	0.5%
among which:							
Solid fuels	15	20	23	35	37	37	0.2%
Crude oil and petrol. prod.	2 020	2 262	2 198	2 312	2 329	2 339	0.4%
Natural gas	-	-	-	-	-	-	-
Nuclear Energy	-	-	-	-	-	-	-
Renewables	9	9	44	45	44	45p	1.9%
Transformation input							
Total	1 754	1 863	2 013	2 029	2 004	1 927	-3.8%
among which:							
Crude oil and feedstocks	1 038	1 077	1 174	1 167	1 150	1 079	-6.2%
Petroleum products	716	787	839	862	854	848	-0.7%
Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Renewables	-	-	-	-	-	-	-
Transformation output							
Total	1 266	1 325	1 443	1 456	1 450	1 400	-3.4%
among which:							
Electricity	233	254	270	290	305	325	6.6%
Heat	-	-	-	-	-	-	-

		KYPROS/KIBRIS						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>								
Final energy consumption								
Total		1 439	1 508	1 575	1 644	1 689	1 647p	-2.5%
<i>among which:</i>	Solid fuels	15	20	22	35	37	36	-1.5%
	Petroleum products	1 210	1 254	1 270	1 306	1 341	1 275	-4.9%
	Natural Gas	-	-	-	-	-	-	-
	Renewables	9	9	10	10	10	10p	0.0%
	Electricity	205	225	238	258	267	291	8.8%
Final energy consumption by sector								
Industry								
Total		412	426	427	447	409	369	-9.9%
<i>among which:</i>	Solid fuels	15	20	22	35	37	36	-1.5%
	Petroleum Products	363	370	367	374	333	291	-12.5%
	Natural Gas	-	-	-	-	-	-	-
	Renewables	-	-	-	-	-	-	-
	Electricity	34	36	37	38	39	41	5.1%
Transport								
Total		771	809	830	852	927	897	-3.2%
<i>among which:</i>	Motor spirit	201	205	213	216	230	241	4.6%
	Diesel oil	317	337	344	344	372	344	-7.6%
	Jet fuel	252	265	271	290	322	310	-3.8%
	Electricity	2	2	2	2	2	2	8.3%
Services&households								
Total		255	272	318	345	353	382p	8.1%
<i>among which:</i>	Solid fuels	-	-	-	-	-	-	-
	Gas oil	-	-	-	-	-	-	-
	Natural Gas	-	-	-	-	-	-	-
	Renewables	9	9	10	10	10	10p	0.0%
	Electricity	169	187	199	217	227	248	9.5%
	Heat	-	-	-	-	-	-	-

3.1 Electricity balance

<i>in GWh</i>	KYPROS/KIBRIS						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	2 711	2 954	3 139	3 370	3 551	3 785	6.6%
<i>among which:</i>							
Hydro	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Conventional thermal	2 711	2 954	3 139	3 370	3 551	3 785	6.6%
<i>of which:</i>							
Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Petroleum products	2 711	2 954	3 139	3 370	3 551	3 785	6.6%
Natural gas	-	-	-	-	-	-	-
Derived gases	-	-	-	-	-	-	-
Biomass	-	-	-	-	-	-	-
Industrial wastes	-	-	-	-	-	-	-
Total net generation	2 576	2 811	2 986	3 205	3 364	3 574	6.2%
Imports and exports							
Total imports	-	-	-	-	-	-	-
Total exports	-	-	-	-	-	-	-
Consumption and losses							
Consumption of the energy branch	156	163	175	186	208	233	12.0%
<i>of which:</i>							
Consumption for pumped-storage	-	-	-	-	-	-	-
Network losses	173	176	196	188	233	167	-28.3%
Final energy consumption	2 382	2 615	2 768	2 996	3 110	3 385	8.8%
<i>of which:</i>							
Industry	395	421	427	446	451	474	5.1%
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	11	12	12	16	19	19	0.0%
Non-met. mineral prod.	165	181	168	185	183	186	1.6%
Food, drink, tobacco	107	113	121	127	132	147	11.4%
Pulp, paper and print	12	13	14	15	16	16	0.0%
Engineering & metal	21	22	23	24	24	25	4.2%
Other industries	51	52	64	55	53	56	5.7%
Transport	21	24	21	22	24	26	8.3%
Services & households etc.	1 966	2 170	2 320	2 528	2 635	2 885	9.5%
<i>among which:</i>							
Households	834	904	952	1 055	1 042	1 157	11.0%

3.2 Electrical capacity, fuel inputs and heat

		KYPROS/KIBRIS						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	699	699	737	1 004	1 004	1 004	0.0%
by source:								
Conventional thermal		699	699	737	1 004	1 004	1 004	0.0%
<i>of which:</i>								
Steam		540	540	540	800	800	800	0.0%
Gas turbine		150	150	188	188	188	188	0.0%
Combined cycle		-	-	-	-	-	-	-
Internal combustion		-	-	-	-	-	-	-
Nuclear		-	-	-	-	-	-	-
Hydro		-	-	-	-	-	-	-
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
by producer type:								
Public system		690	690	728	988	988	988	0.0%
Autoproducers		10	10	10	17	17	17	0.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	716	787	839	862	854	848	-0.7%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		716	787	839	862	854	848	-0.7%
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heating plants		-	-	-	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	-	-	-	-	-	-	-
<i>among which: in heating plants</i>								
Heat consumption		-	-	-	-	-	-	-
<i>of which: in industry</i>								
in households and services		-	-	-	-	-	-	-
<i>among which: in households</i>								
		-	-	-	-	-	-	-

4.1 Crude oil and feedstocks

		KYPROS/KIBRIS						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		1 039	1 175	1 186	1 155	1 154	1 078	-6.6%
Total exports		-	-	-	-	-	-	-
Stock changes		4	7	-6	18	2	8	300.0%
Refinery intake		1 043	1 082	1 180	1 173	1 156	1 086	-6.1%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	KYPROS/KIBRIS							
	<i>in 1 000 t</i>	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output	1 038	1 076	1 179	1 172	1 151	1 082	-6.0%	
<i>among which:</i>								
Motor spirit	141	142	148	153	150	153	2.0%	
Kerosene and jet fuel	25	27	34	37	37	36	-2.7%	
Naphtha	-	-	-	-	-	-	-	
Gas/diesel oil	365	382	411	406	390	362	-7.2%	
Residual fuel oil	421	442	495	491	482	423	-12.2%	
Total imports	1 117	1 199	1 281	1 417	1 344	1 520	13.1%	
Total exports	-	-	-	-	-	-	-	
Bunkers	99	99	155	194	193	139	-28.0%	
Stock changes	-1	24	-52	-39	69	-72	-204.3%	
Gross inland consumption	1 017	1 124	1 074	1 184	1 220	1 309	7.3%	
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands	-	-	-	-	-	-	-	
United Kingdom	-	-	-	-	-	-	-	
Norway	-	-	-	-	-	-	-	
OPEC	-	-	-	-	-	-	-	
Imports by product								
<i>among which:</i>								
Motor spirit	50	51	57	62	84	78	-7.1%	
Kerosene and jet fuel	252	260	264	273	314	295	-6.1%	
Gas/diesel oil	146	175	165	194	198	194	-2.0%	
Residual fuel oil	476	515	586	637	585	690	17.9%	
Exports by product								
<i>among which:</i>								
Motor spirit	-	-	-	-	-	-	-	
Kerosene and jet fuel	-	-	-	-	-	-	-	
Gas/diesel oil	-	-	-	-	-	-	-	
Residual fuel oil	-	-	-	-	-	-	-	
Consumption								
Inputs to electricity plants	749	823	877	902	894	888	-0.7%	
Inputs to heating plants	-	-	-	-	-	-	-	
Non-energy use	74	82	94	90	89	92	3.4%	
Final energy consumption	1 214	1 256	1 283	1 305	1 345	1 278	-5.0%	
Industry								
<i>among which by product:</i>								
Gas/diesel oil	169	180	185	191	180	186	3.3%	
Residual fuel oil	70	68	68	68	54	-	-	

		KYPROS/KIBRIS						
<i>in 1 000 t</i>		1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry		-	-	-	-	-	-	-
Non-ferrous metals		-	-	-	-	-	-	-
Chemical industry		-	-	-	-	-	-	-
Non-met. mineral prod.		222	218	222	209	187	138	-26.2%
Food, drink, tobacco		-	-	-	-	-	-	-
Pulp, paper and print		-	-	-	-	-	-	-
Engineering & metal		-	-	-	-	-	-	-
Other industries		170	180	185	185	180	186	3.3%
Transport		750	787	807	828	901	871	-3.3%
<i>among which:</i>								
Motor spirit		191	195	203	206	219	229	4.6%
Jet fuel		245	258	264	282	314	302	-3.8%
Diesel oil		314	334	340	340	368	340	-7.6%
Services & households etc.		72	71	69	77	77	83	7.8%
<i>among which:</i>								
Gas oil		-	-	-	-	-	-	-
Residual fuel oil		-	-	-	-	-	-	-
Stocks at end of period								
Crude oil and feedstocks		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	KYPROS/KIBRIS						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	-	-	-	-	-	-	-
Total exports	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-	-
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Distribution losses	-	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-	-
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-
Transport	-	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-	-
<i>among which:</i>							
Households	-	-	-	-	-	-	-
Services	-	-	-	-	-	-	-

6.1 Hard coal

<i>in 1 000 t</i>	KYPROS/KIBRIS						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	26	21	26	50	59	66	11.9%
Total exports	-	-	-	-	-	-	-
Stock changes	-7	5	4	-1	-6	-12	-100%
Gross inland consumption	19	26	30	49	53	54	1.9%
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants							
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Industry							
Industry	19	26	30	49	53	53	0.0%
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	19	26	30	49	53	53	0.0%
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-	-
Structural data							
Personnel employed underground							
(annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines							
(end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		KYPROS/KIBRIS						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		-	-	-	-	-	-	-
<i>among which:</i>								
Iron & steel industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		8	10	11	10	12	12	0.0%
<i>among which:</i>								
Industry		8	10	11	10	12	12	0.0%
Services & households		-	-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		-	-	-	-	-	-	-
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-
Consumption in industry		-	-	-	-	-	-	-

7. Renewable energy sources

		KYPROS/KIBRIS						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	9	9	44	45	44	45p	1.8%
Hydro (excl. pumping)		-	-	-	-	-	-	-
Wind		-	-	-	-	-	-	-
Solar		-	-	35	35	34	35	2.3%
Geothermal		-	-	-	-	-	-	-
Biomass		9	9	10	10	10	10p	0.0%
	<i>among which:</i>							
Wood, wood-waste		9	9	10	10	10	10p	0.0%
Municipal solid waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Gross inland consumption		9	9	44	45	44	45p	1.9%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		-	-	-	-	-	-	-
	<i>among which:</i>							
Wood, wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	9	9	44	45	44	45p	1.8%
	<i>by sector:</i>							
Industry		-	-	-	-	-	-	-
Services & households etc.		9	9	44	45	44	45p	1.8%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		9	9	10	10	10	10p	0.0%
	<i>among which:</i>							
Wood, wood-waste		9	9	10	10	10	10p	0.0%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		-	-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-	-
Hydro with installed capacity > 10 MW		-	-	-	-	-	-	-
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-

	KYPROS/KIBRIS						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW	-	-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW	-	-	-	-	-	-	-
Hydro with installed capacity > 10 MW	-	-	-	-	-	-	-
Wood, Wood-waste	-	-	-	-	-	-	-
Municipal waste	-	-	-	-	-	-	-
Biogas	-	-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	-	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		LATVIJA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	332	383	1 497	1 259	1 718	1 871
Net energy imports		2 894	2 936	2 210	2 301	2 533	2 422
Net oil imports		1 536	1 705	1 165	1 143	1 440	1 323
Net gas imports		1 059	1 099	1 026	1 113	1 087	1 144
Gross inland energy consumption		3 332	3 261	3 824	3 676	4 288	4 244
Final energy consumption		2 930	2 688	2 755	2 913	3 642	3 677
Industry		910	631	723	671	681	698
Transport		772	709	696	691	888	886
Services and households etc.		1 248	1 348	1 337	1 551	2 073	2 093
Gross electricity generation	GWh	4 502	5 797	4 110	4 136	4 280	3 975
Final electricity consumption		4 479	4 461	4 426	4 439	4 523	4 849
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	3 920	4 107	4 223	4 512	4 870	5 166
Population	1000 per.	2 433	2 410	2 391	2 373	2 355	2 339
Industry added value	Mio EUR	1 125	1 188	1 148	1 207	1 315	1 412
Total imports (current prices)	Mio EUR	2 304	2 742	2 600	2 727	3 069	3 207
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	850.0	794.0	905.4	814.8	880.4	821.6
Final energy consumption / GDP(95)		747.5	654.7	652.5	645.5	747.9	711.7
Energy intensity of industry:							
Final consumption / gross value-added mp		808.6	531.3	629.5	555.9	518.4	494.4
Energy intensity of service sector:							
Final consumption / gross value-added mp		159.9	224.5	69.0	203.8	204.9	207.6
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	1 370	1 353	1 600	1 549	1 821	1 815
Final energy consumption / capita		1 204	1 116	1 153	1 227	1 547	1 572
Household consumption / capita		340	325	453	407	611	611
Electricity consumption / capita	kWh/cap.	1 386	834	1 383	1 306	1 413	1 646
Energy dependency							
Net energy imports / Gross consumption	in %	86.9	90.0	57.8	62.6	56.5	54.6
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	87.9	82.5	72.1	79.2	84.9	86.6
Efficiency of thermal power stations		74.0	73.5	78.7	78.7	79.6	80.8

2. Energy balance

Principal aggregates by product

in 1 000 toe	LATVIJA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	332	383	1 497	1 259	1 718	1 871	8.9%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	78	12	77	25	17	32	95.7%
Crude oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	254	371	237	242	244	212	-13.1%
Biomass	-	-	1 184	991	1 457	1 626	11.6%
Imports							
Total	2 952	3 090	2 689	2 532	2 794	2 787	-0.2%
<i>among which:</i> Hard coal	135	77	77	54	59	69	17.2%
Crude oil and feedstocks	1	1	14	60	20	16	-17.4%
Petroleum products	1 593	1 825	1 341	1 113	1 420	1 308	-7.9%
Natural Gas	1 059	1 099	1 026	1 113	1 087	1 144	5.2%
Electricity	157	79	223	181	201	244	21.3%
Exports							
Total	58	154	478	231	261	365	39.9%
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	58	121	190	31	-	1	-
Natural gas	-	-	-	-	-	-	-
Electricity	0	33	55	28	39	42	7.2%
Gross inland consumption							
Total	3 332	3 261	3 824	3 676	4 288	4 244	-1.0%
<i>among which:</i> Solid fuels	200	150	114	166	123	99	-19.2%
Crude oil and petrol. prod.	1 656	1 661	1 401	1 203	1 231	1 154	-6.2%
Natural gas	1 065	1 033	990	1 092	1 270	1 291	1.7%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	254	371	1 151	1 061	1 502	1 497	-0.3%
Transformation input							
Total	1 291	1 194	1 294	1 122	1 204	1 207	0.2%
<i>among which:</i> Crude oil and feedstocks	1	1	1	1	0	-	-
Petroleum products	517	494	400	133	104	103	-0.9%
Hard coal	25	13	12	12	12	8	-29.4%
Lignite and peat	61	40	29	52	29	24	-16.8%
Renewables	-	-	220	199	222	260	17.0%
Transformation output							
Total	1 254	1 157	984	876	937	918	-2.0%
<i>among which:</i> Electricity	133	127	116	113	124	129	3.9%
Heat	1 109	1 024	864	761	811	789	-2.6%

		LATVIJA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>								
Final energy consumption								
Total		2 930	2 688	2 755	2 913	3 642	3 677	0.9%
<i>among which:</i>	Solid fuels	106	85	72	58	80	67	-16.1%
	Petroleum products	1 187	1 064	1 010	939	1 123	1 101	-2.0%
	Natural Gas	340	345	319	329	390	447	14.7%
	Renewables	-	-	304	615	1 031	1 017	-1.4%
	Electricity	385	384	381	382	389	417	7.2%
Final energy consumption by sector								
Industry								
Total		910	631	723	671	681	698	2.5%
<i>among which:</i>	Solid fuels	9	9	10	8	10	12	12.0%
	Petroleum Products	287	238	198	147	97	89	-8.1%
	Natural Gas	214	218	193	207	254	282	11.1%
	Renewables	-	-	172	170	173	169	-2.2%
	Electricity	128	122	123	123	133	131	-1.2%
Transport								
Total		772	709	696	691	888	886	-0.2%
<i>among which:</i>	Motor spirit	387	364	351	306	365	357	-2.0%
	Diesel oil	288	294	290	326	459	467	1.8%
	Jet fuel	33	35	37	27	27	28	3.8%
	Electricity	12	11	10	10	10	10	-1.8%
Services&households								
Total		1 248	1 348	1 337	1 551	2 073	2 093	0.9%
<i>among which:</i>	Solid fuels	97	76	62	50	69	55	-20.4%
	Gas oil	70	57	64	64	99	91	-8.2%
	Natural Gas	125	126	125	120	134	164	22.5%
	Renewables	-	-	132	446	858	848	-1.2%
	Electricity	246	251	248	248	246	276	12.1%
	Heat	641	766	643	574	615	613	-0.3%

3.1 Electricity balance

	LATVIJA							
	in GWh	1997	1998	1999	2000	2001	2002	02/01
Generation								
Total gross generation		4 502	5 797	4 110	4 136	4 280	3 975	-7.1%
<i>among which:</i>								
Hydro		2 953	4 316	2 757	2 819	2 833	2 463	-13.1%
Wind		1	2	2	4	3	11	266.7%
Geothermal		-	-	-	-	-	-	-
Nuclear		-	-	-	-	-	-	-
Conventional thermal		1 548	1 479	1 351	1 313	1 444	1 501	3.9%
<i>of which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		104	99	37	78	42	38	-9.5%
Petroleum products		239	305	358	107	95	137	44.2%
Natural gas		1 205	1 075	955	1 128	1 305	1 315	0.8%
Derived gases		-	-	-	-	-	-	-
Biomass		-	-	-	-	2	11	450.0%
Industrial wastes		-	-	1	-	-	-	-
Total net generation		4 329	5 614	3 942	3 980	4 145	3 839	-7.4%
Imports and exports								
Total imports		1 824	914	2 597	2 108	2 340	2 838	21.3%
Total exports		1	384	642	322	457	490	7.2%
Consumption and losses								
Consumption of the energy branch		520	672	529	491	650	481	-26.0%
<i>of which:</i>								
Consumption for pumped-storage		-	-	-	-	-	-	-
Network losses		1 326	1 194	1 110	992	990	993	0.3%
Final energy consumption		4 479	4 461	4 426	4 439	4 523	4 849	7.2%
<i>of which:</i>								
Industry		1 484	1 421	1 425	1 433	1 545	1 526	-1.2%
<i>among which:</i>								
Iron&steel industry		102	110	110	125	132	137	3.8%
Non-ferrous metals		-	2	2	-	-	3	-
Chemical industry		202	164	106	68	78	75	-3.8%
Non-met. mineral prod.		98	108	93	85	93	100	7.5%
Food, drink, tobacco		325	319	306	300	311	308	-1.0%
Pulp, paper and print		24	22	27	33	27	36	33.3%
Engineering & metal		247	219	191	195	229	199	-13.1%
Other industries		265	265	361	398	447	447	0.0%
Transport		139	126	119	117	113	111	-1.8%
Services & households etc.		2 856	2 914	2 882	2 889	2 865	3 212	12.1%
<i>among which:</i>								
Households		1 082	1 111	1 147	1 189	1 239	1 317	6.3%

3.2 Electrical capacity, fuel inputs and heat

		LATVIJA						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	2 099	2 104	2 115	2 092	2 102	2 134	1.5%
<i>by source:</i>								
Conventional thermal		575	581	589	577	576	583	1.2%
<i>of which:</i>								
Steam		575	581	589	577	576	583	1.2%
Gas turbine		-	-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-	-
Internal combustion		-	-	-	-	-	-	-
Nuclear		-	-	-	-	-	-	-
Hydro		1 523	1 522	1 525	1 513	1 524	1 530	0.4%
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		1	1	1	2	2	21	950.0%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		2 038	2 059	2 066	2 075	2 066	2 109	2.1%
Autoproducers		61	45	50	40	36	30	-16.7%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	684	569	566	505	578	606	4.8%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		46	32	23	47	26	23	-13.0%
Petroleum products		145	155	179	70	50	56	13.5%
Natural gas		493	383	364	388	497	510	2.8%
Renewables		-	-	-	-	6	17	195.3%
Heating plants		599	620	724	614	626	601	-3.9%
<i>among which:</i>								
Hard coal		25	13	12	12	12	8	-29.4%
Lignite and peat		9	5	3	3	2	1	-44.4%
Petroleum products		372	339	222	63	55	47	-14.0%
Natural gas		194	263	268	338	341	301	-11.6%
Renewables		-	-	220	199	217	244	12.4%
Heat production and consumption								
Total heat production	TJ	1 109	1 024	864	761	811	789	-2.6%
<i>among which: in heating plants</i>								
		736	733	535	476	475	429	-9.6%
Heat consumption		913	810	671	590	630	629	-0.2%
<i>of which: in industry</i>								
		272	44	28	16	15	16	4.5%
<i>in households and services</i>								
		641	766	643	574	615	613	-0.3%
<i>among which: in households</i>								
		587	560	499	440	469	465	-0.8%

4.1 Crude oil and feedstocks

		LATVIJA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		1	1	14	59	20	17	-14.9%
Total exports		-	-	-	-	-	-	-
Stock changes		-	-	-	-7	3	-2	-166.7%
Refinery intake		1	1	1	1	1	1	0.0%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	LATVIJA						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Production and supply							
Total refinery output	1	1	1	1	2	-	
<i>among which:</i>							
Motor spirit	-	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-	-
Gas/diesel oil	1	1	1	1	1	-	
Residual fuel oil	-	-	-	-	-	-	-
Total imports	1 620	1 846	1 357	1 114	1 422	1 307	-8.1%
Total exports	59	117	183	30	-	1	-
Bunkers	-	-	-	-	197	194	-1.5%
Stock changes	114	-48	246	70	-19	24	226.3%
Gross inland consumption	1 675	1 681	1 420	1 154	1 206	1 136	-5.8%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
OPEC	-	-	-	-	-	-	-
Imports by product							
<i>among which:</i>							
Motor spirit	365	434	356	353	289	286	-1.0%
Kerosene and jet fuel	50	40	42	35	27	29	7.4%
Gas/diesel oil	221	413	385	397	665	613	-7.8%
Residual fuel oil	898	785	384	148	288	219	-24.0%
Exports by product							
<i>among which:</i>							
Motor spirit	5	89	156	11	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-	-
Gas/diesel oil	31	13	8	19	-	1	
Residual fuel oil	20	15	18	-	-	-	-
Consumption							
Inputs to electricity plants	152	162	187	73	52	59	13.5%
Inputs to heating plants	389	355	232	66	57	49	-14.0%
Non-energy use	-	35	77	72	60	72	20.0%
Final energy consumption	1 183	1 055	999	927	1 108	1 086	-2.0%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	41	39	36	35	32	29	-9.4%
Residual fuel oil	216	179	143	92	35	27	-22.9%

	LATVIJA							
	<i>in 1 000 t</i>	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry		40	26	27	28	24	23	-4.2%
Non-ferrous metals		-	-	-	-	-	-	-
Chemical industry		47	2	4	3	3	4	33.3%
Non-met. mineral prod.		54	47	53	37	5	1	-80.0%
Food, drink, tobacco		82	94	66	49	33	29	-12.1%
Pulp, paper and print		-	-	-	-	-	-	-
Engineering & metal		11	10	8	4	4	2	-50.0%
Other industries		52	45	28	25	15	17	13.3%
Transport		739	676	663	659	851	850	-0.1%
<i>among which:</i>								
Motor spirit		368	346	334	291	347	340	-2.0%
Jet fuel		32	34	36	26	26	27	3.8%
Diesel oil		285	291	287	323	454	462	1.8%
Services & households etc.		137	125	125	110	148	134	-9.5%
<i>among which:</i>								
Gas oil		69	56	63	63	98	90	-8.2%
Residual fuel oil		26	25	23	18	18	13	-27.8%
Stocks at end of period								
Crude oil and feedstocks		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	LATVIJA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	49 249	51 124	47 709	51 790	50 565	53 210	5.2%
Total exports	-	-	-	-	-	-	-
Stock changes	299	-3 070	-1 664	-972	8 503	6 870	-19.2%
Gross inland consumption	49 548	48 054	46 045	50 818	59 068	60 080	1.7%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	22 932	17 794	16 939	18 061	23 110	23 748	2.8%
Inputs to heat plants	9 017	12 244	12 463	15 706	15 844	14 003	-11.6%
Consumption of energy branch	638	814	703	897	974	896	-8.0%
Distribution losses	1 160	1 147	1 109	748	524	635	21.2%
Non-energy use	-	-	-	-	-	-	-
Industry	9 965	10 136	8 987	9 647	11 799	13 106	11.1%
<i>among which:</i>							
Iron&steel industry	4 399	4 439	4 290	4 338	4 509	4 331	-3.9%
Non-ferrous metals	-	59	111	187	211	299	41.7%
Chemical industry	212	233	222	224	262	299	14.1%
Non-met. mineral prod.	711	1 184	776	898	2 023	2 613	29.2%
Food, drink, tobacco	3 127	2 875	2 219	2 206	2 547	2 875	12.9%
Pulp, paper and print	117	104	111	112	150	149	-0.7%
Engineering & metal	206	207	222	224	337	411	22.0%
Other industries	671	684	629	635	712	897	26.0%
Transport	37	37	37	75	112	75	-33.0%
Services & households etc.	5 807	5 882	5 807	5 572	6 218	7 617	22.5%
<i>among which:</i>							
Households	3 438	3 218	3 144	2 954	3 334	3 659	9.7%
Services	1 722	1 961	2 108	2 057	2 210	3 249	47.0%

6.1 Hard coal

<i>in 1 000 t</i>	LATVIJA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	218	124	124	80	87	102	17.2%
Total exports	-	-	-	-	-	-	-
Stock changes	-20	22	2	17	40	-	-
Gross inland consumption	198	146	126	97	127	102	-19.7%
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants							
Inputs to heat plants	40	21	18	17	17	12	-29.4%
Consumption of energy branch	-	-	-	-	-	-	-
Industry							
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	3	1	1	1	1	1	0.0%
Food, drink, tobacco	5	5	6	4	4	4	0.0%
Pulp, paper and print	2	1	1	-	1	1	0.0%
Engineering & metal	-	-	-	-	-	-	-
Other industries	1	1	2	2	1	1	0.0%
Services & households etc.	144	111	95	71	101	81	-19.8%
Structural data							
Personnel employed underground (annual mean in 1000's)							
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		LATVIJA						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		391	61	383	68	69	135	95.7%
Brown coal briquettes		22	11	6	2	1	-	
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		2	1	2	4	8	10	25.0%
<i>among which:</i>								
Iron & steel industry		-	-	2	4	8	9	12.5%
Services & households		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		5	9	8	1	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		5	9	8	1	-	-	-
Brown coal briquettes		15	13	4	2	1	-	-
<i>among which:</i>								
Industry		1	1	1	-	-	-	-
Services & households		14	12	3	2	1	-	-
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		-	-	-	-	-	-	-
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-
Consumption in industry		-	-	-	-	-	-	-

7. Renewable energy sources

		LATVIJA						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	254	371	1 421	1 234	1 701	1 838	8.1%
Hydro (excl. pumping)		254	371	237	242	244	212	-13.1%
Wind		0	0	0	0	0	1	266.6%
Solar		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Biomass		-	-	1 184	991	1 457	1 626	11.6%
	<i>among which:</i>							
Wood, wood-waste		-	-	1 184	991	1 457	1 626	11.6%
Municipal solid waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Gross inland consumption		254	371	1 151	1 061	1 502	1 497	-0.3%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		-	-	220	199	222	260	17.0%
	<i>among which:</i>							
Wood, wood-waste		-	-	220	199	222	260	17.0%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	-	-	304	615	1 031	1 017	-1.4%
	<i>by sector:</i>							
Industry		-	-	172	170	173	169	-2.2%
Services & households etc.		-	-	132	446	858	848	-1.2%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		-	-	304	615	1 031	1 017	-1.4%
	<i>among which:</i>							
Wood, wood-waste		-	-	304	615	1 031	1 017	-1.4%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	:	20	32	30	-6.3%
Hydro with installed capacity > 1 & <10 MW		:	:	:	-	-	-	-
Hydro with installed capacity > 10 MW		:	:	:	2 799	2 801	2 433	-13.1%
Wood, Wood-waste		:	:	:	-	2	6	200.0%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-

		LATVIJA						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	6	6	12	17	41.7%
Hydro with installed capacity > 1 & <10 MW		:	:	-	-	-	2	
Hydro with installed capacity > 10 MW		:	:	1 519	1 505	1 512	1 511	-0.1%
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	-	-	-	-
Solar Panels								
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		LIETUVA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	3 387	4 434	3 482	3 161	4 118	4 843
Net energy imports		5 059	4 789	4 353	4 354	3 939	3 752
Net oil imports		3 225	3 416	2 662	2 297	2 050	1 990
Net gas imports		2 002	1 754	1 826	2 090	2 171	2 195
Gross inland energy consumption		8 352	9 341	7 929	7 226	8 178	8 673
Final energy consumption		4 050	4 450	3 996	3 640	3 778	3 889
Industry		1 005	978	748	680	690	735
Transport		1 253	1 310	1 170	1 048	1 142	1 180
Services and households etc.		1 792	2 162	2 078	1 913	1 946	1 973
Gross electricity generation	GWh	14 861	17 631	13 535	11 424	14 737	17 721
Final electricity consumption		6 736	6 729	6 520	6 171	6 406	6 693
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	5 474	5 872	5 773	5 999	6 381	6 813
Population	1000 per.	3 575	3 549	3 524	3 500	3 481	3 469
Industry added value	Mio EUR	1 626	1 836	1 719	1 724	1 944	2 059
Total imports (current prices)	Mio EUR	4 595	4 881	4 276	4 478	5 269	6 199
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	1 525.8	1 590.6	1 373.5	1 204.5	1 281.5	1 273.1
Final energy consumption / GDP(95)		740.0	757.7	692.3	606.8	592.0	570.8
Energy intensity of industry:							
Final consumption / gross value-added mp		618.0	532.5	435.0	394.3	354.9	357.2
Energy intensity of service sector:							
Final consumption / gross value-added mp		200.5	183.6	179.9	146.0	141.2	133.5
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 336	2 632	2 250	2 065	2 349	2 500
Final energy consumption / capita		1 133	1 254	1 134	1 040	1 085	1 121
Household consumption / capita		298	410	402	384	394	400
Electricity consumption / capita	kWh/cap.	2 956	3 002	2 835	2 699	2 893	3 013
Energy dependency							
Net energy imports / Gross consumption	in %	60.1	51.0	54.4	59.5	47.6	42.7
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	48.5	47.6	50.4	50.4	46.2	44.8
Efficiency of thermal power stations		84.2	71.1	69.8	71.3	71.9	74.7

2. Energy balance

Principal aggregates by product

in 1 000 toe	LIETUVA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	3 387	4 434	3 482	3 161	4 118	4 843	17.6%
among which:							
Hard coal	-	-	-	-	-	-	-
Lignite and peat	21	17	23	12	10	14	42.9%
Crude oil	215	281	236	322	480	442	-7.9%
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	3 127	3 524	2 567	2 172	2 931	3 648	24.5%
Hydro-electricity	25	36	36	29	28	30	8.6%
Biomass	-	576	621	627	630	662	5.1%
Imports							
Total	8 809	9 711	7 284	7 664	9 713	9 406	-3.2%
among which:							
Hard coal	155	139	87	78	64	134	109.4%
Crude oil and feedstocks	5 843	6 867	4 726	5 144	6 777	6 391	-5.7%
Petroleum products	779	908	581	328	311	287	-7.6%
Natural Gas	2 002	1 754	1 826	2 090	2 171	2 195	1.1%
Electricity	20	33	54	12	382	390	2.0%
Exports							
Total	3 750	4 923	2 931	3 310	5 774	5 654	-2.1%
among which:							
Crude oil and feedstocks	195	269	231	317	358	126	-64.7%
Petroleum products	3 203	4 090	2 414	2 858	4 680	4 561	-2.5%
Natural gas	-	-	-	-	-	-	-
Electricity	323	556	284	127	723	947	31.1%
Gross inland consumption							
Total	8 352	9 341	7 929	7 226	8 178	8 673	6.1%
among which:							
Solid fuels	182	159	136	99	90	147	63.9%
Crude oil and petrol. prod.	3 319	3 820	3 003	2 331	2 645	2 552	-3.5%
Natural gas	2 002	1 754	1 826	2 090	2 171	2 195	1.1%
Nuclear Energy	3 127	3 524	2 567	2 172	2 931	3 648	24.5%
Renewables	25	606	627	649	682	689	1.1%
Transformation input							
Total	10 912	12 732	9 099	8 819	11 541	11 975	3.8%
among which:							
Crude oil and feedstocks	5 724	7 002	4 697	5 088	6 993	6 747	-3.5%
Petroleum products	882	1 224	848	372	415	346	-16.6%
Hard coal	15	16	10	7	8	7	-15.4%
Lignite and peat	11	8	8	6	6	7	9.1%
Renewables	-	43	21	39	68	98	43.2%
Transformation output							
Total	8 448	9 845	6 906	6 929	9 115	9 175	0.7%
among which:							
Electricity	1 212	1 439	1 090	927	1 207	1 457	20.7%
Heat	1 640	1 544	1 212	1 003	1 042	1 050	0.8%

		LIETUVA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>								
Final energy consumption								
Total		4 050	4 450	3 996	3 640	3 778	3 889	2.9%
<i>among which:</i>	Solid fuels	164	138	119	88	77	136	77.1%
	Petroleum products	1 737	1 758	1 535	1 348	1 413	1 403	-0.7%
	Natural Gas	336	306	328	368	390	406	4.2%
	Renewables	-	527	570	579	585	589	0.7%
	Electricity	579	579	561	531	551	575	4.5%
Final energy consumption by sector								
Industry								
Total		1 005	978	748	680	690	735	6.6%
<i>among which:</i>	Solid fuels	14	14	15	13	10	55	450%
	Petroleum Products	288	269	215	170	155	101	-35.0%
	Natural Gas	145	154	154	207	220	231	5.0%
	Renewables	-	17	25	31	46	80	72.8%
	Electricity	239	225	207	197	202	219	8.5%
Transport								
Total		1 253	1 310	1 170	1 048	1 142	1 180	3.3%
<i>among which:</i>	Motor spirit	678	648	505	391	390	376	-3.5%
	Diesel oil	505	585	557	507	588	618	5.2%
	Jet fuel	32	29	27	27	35	31	-11.8%
	Electricity	8	5	4	4	4	4	4.0%
Services&households								
Total		1 792	2 162	2 078	1 913	1 946	1 973	1.4%
<i>among which:</i>	Solid fuels	150	124	103	75	66	81	22.1%
	Gas oil	100	77	48	39	33	38	15.2%
	Natural Gas	191	152	175	162	170	176	3.2%
	Renewables	-	510	545	548	539	509	-5.4%
	Electricity	333	348	349	329	345	352	2.1%
	Heat	915	844	753	663	706	728	3.2%

3.1 Electricity balance

	LIETUVA							
	<i>in GWh</i>	1997	1998	1999	2000	2001	2002	02/01
Generation								
Total gross generation		14 861	17 631	13 535	11 424	14 737	17 721	20.2%
<i>among which:</i>								
Hydro		769	895	861	643	701	781	11.4%
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Nuclear		12 024	13 554	9 862	8 419	11 362	14 142	24.5%
Conventional thermal		2 068	3 182	2 812	2 362	2 674	2 798	4.6%
<i>of which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		1 564	2 896	1 805	654	720	736	2.2%
Natural gas		504	286	1 007	1 600	1 884	1 920	1.9%
Derived gases		-	-	-	-	-	-	-
Biomass		-	-	-	-	2	4	100.0%
Industrial wastes		-	-	-	108	68	138	102.9%
Total net generation		13 298	15 947	11 949	10 039	13 218	16 078	21.6%
Imports and exports								
Total imports		232	384	623	143	4 442	4 532	2.0%
Total exports		3 757	6 466	3 305	1 479	8 406	11 018	31.1%
Consumption and losses								
Consumption of the energy branch		2 541	2 823	2 556	2 332	2 576	2 689	4.4%
<i>of which:</i>								
Consumption for pumped-storage		173	176	167	122	142	153	7.7%
Network losses		1 585	1 519	1 330	1 281	1 416	1 426	0.7%
Final energy consumption		6 736	6 729	6 520	6 171	6 406	6 693	4.5%
<i>of which:</i>								
Industry		2 777	2 620	2 408	2 294	2 346	2 546	8.5%
<i>among which:</i>								
Iron&steel industry		62	54	57	53	54	40	-25.9%
Non-ferrous metals		-	-	-	-	-	-	-
Chemical industry		588	512	465	451	450	507	12.7%
Non-met. mineral prod.		267	248	219	186	189	232	22.8%
Food, drink, tobacco		503	491	491	441	433	454	4.8%
Pulp, paper and print		118	113	103	124	135	99	-26.7%
Engineering & metal		494	388	352	348	371	391	5.4%
Other industries		320	385	349	360	382	472	23.6%
Transport		89	57	51	50	50	52	4.0%
Services & households etc.		3 870	4 052	4 061	3 827	4 010	4 095	2.1%
<i>among which:</i>								
Households		1 720	1 743	1 886	1 767	1 818	1 811	-0.4%

3.2 Electrical capacity, fuel inputs and heat

		LIETUVA						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	5 820	6 022	6 023	6 557	6 568	6 568	0.0%
<i>by source:</i>								
Conventional thermal		2 513	2 513	2 513	2 643	2 652	2 652	0.0%
<i>of which:</i>								
Steam		2 513	2 513	2 513	2 643	2 652	2 652	0.0%
Gas turbine		-	-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-	-
Internal combustion		-	-	-	-	-	-	-
Nuclear		2 600	2 600	2 600	3 000	3 000	3 000	0.0%
Hydro		707	909	910	914	916	916	0.0%
<i>among which:</i>								
Pumped storage		600	800	800	800	800	800	0.0%
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		5 730	5 921	5 922	6 481	6 486	6 486	0.0%
Autoproducers		61	61	61	76	82	82	0.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	932	1 225	1 066	900	970	944	-2.7%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		420	785	498	175	181	179	-1.1%
Natural gas		512	440	568	725	778	745	-4.2%
Renewables		-	-	-	-	11	20	79.9%
Heating plants		1 126	979	765	658	645	633	-2.0%
<i>among which:</i>								
Hard coal		15	16	10	7	8	7	-15.4%
Lignite and peat		3	3	2	2	3	3	0.0%
Petroleum products		462	438	350	197	234	167	-28.6%
Natural gas		642	475	379	410	341	377	10.5%
Renewables		-	43	21	39	57	78	36.1%
Heat production and consumption								
Total heat production	TJ	1 640	1 544	1 212	1 003	1 042	1 050	0.8%
<i>among which: in heating plants</i>								
		1 008	918	686	542	522	531	1.7%
Heat consumption		1 235	1 142	884	725	763	779	2.1%
<i>of which: in industry</i>								
		319	298	131	61	57	51	-11.3%
<i>in households and services</i>								
		915	844	753	663	706	728	3.2%
<i>among which: in households</i>								
		637	604	534	484	517	552	6.8%

4.1 Crude oil and feedstocks

		LIETUVA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		212	277	232	316	471	434	-7.9%
Total imports		5 771	6 775	4 656	5 052	6 651	6 276	-5.6%
Total exports		193	265	228	311	351	124	-64.7%
Stock changes		-100	166	-9	-46	124	77	-37.9%
Refinery intake		5 649	6 904	4 625	4 995	6 861	6 625	-3.4%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	LIETUVA							
	<i>in 1 000 t</i>	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output		5 514	6 761	4 527	4 903	6 732	6 542	-2.8%
<i>among which:</i>								
Motor spirit		1 664	2 112	1 369	1 559	1 889	1 719	-9.0%
Kerosene and jet fuel		225	373	304	466	669	655	-2.1%
Naphtha		-	-	-	-	-	-	-
Gas/diesel oil		1 632	2 055	1 476	1 450	2 021	1 850	-8.5%
Residual fuel oil		1 374	1 515	867	798	1 161	1 229	5.9%
Total imports		793	929	586	325	309	290	-6.1%
Total exports		3 132	3 996	2 355	2 790	4 570	4 472	-2.1%
Bunkers		62	51	74	94	102	112	9.8%
Stock changes		39	5	196	-159	34	101	197.1%
Gross inland consumption		-2 362	-3 113	-1 647	-2 702	-4 273	-4 137	3.2%
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands		-	-	-	-	-	-	-
United Kingdom		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
OPEC		-	-	-	-	-	-	-
Imports by product								
<i>among which:</i>								
Motor spirit		142	108	91	17	24	2	-91.7%
Kerosene and jet fuel		-	4	4	20	26	25	-3.8%
Gas/diesel oil		128	85	59	39	71	55	-22.5%
Residual fuel oil		421	637	328	138	98	118	20.4%
Exports by product								
<i>among which:</i>								
Motor spirit		1 157	1 596	955	1 155	1 585	1 396	-11.9%
Kerosene and jet fuel		198	350	245	386	489	483	-1.2%
Gas/diesel oil		1 098	1 390	766	667	1 444	1 401	-3.0%
Residual fuel oil		443	463	273	415	639	742	16.1%
Consumption								
Inputs to electricity plants		440	822	521	183	189	187	-1.1%
Inputs to heating plants		482	458	366	206	245	175	-28.6%
Non-energy use		120	155	138	120	167	194	16.2%
Final energy consumption		1 700	1 719	1 498	1 311	1 374	1 360	-1.0%
Industry								
<i>among which by product:</i>								
Gas/diesel oil		42	45	39	26	24	21	-12.5%
Residual fuel oil		248	224	174	140	127	75	-40.9%

	LIETUVA						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Industry							
<i>among which by sector:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	5	4	6	3	3	1	-66.7%
Non-met. mineral prod.	177	141	105	90	89	52	-41.6%
Food, drink, tobacco	53	67	58	46	32	16	-50.0%
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	7	4	2	3	5	5	0.0%
Other industries	43	45	35	24	21	22	4.8%
Transport	1 204	1 263	1 128	1 008	1 101	1 137	3.3%
<i>among which:</i>							
Motor spirit	645	617	481	372	371	358	-3.5%
Jet fuel	31	28	26	26	34	30	-11.8%
Diesel oil	500	579	551	502	582	612	5.2%
Services & households etc.	197	178	148	128	113	120	6.2%
<i>among which:</i>							
Gas oil	99	76	48	39	33	38	15.2%
Residual fuel oil	29	31	31	12	7	11	57.1%
Stocks at end of period							
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	LIETUVA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	93 134	81 578	84 946	97 244	101 015	102 123	1.1%
Total exports	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-
Gross inland consumption	93 134	81 578	84 946	97 244	101 015	102 123	1.1%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	23 815	20 462	26 436	33 715	36 202	34 665	-4.2%
Inputs to heat plants	29 871	22 079	17 646	19 076	15 865	17 531	10.5%
Consumption of energy branch	-	142	170	158	151	151	0.0%
Distribution losses	1 909	1 912	1 251	1 258	1 545	1 138	-26.3%
Non-energy use	21 921	22 744	24 163	25 898	29 103	28 971	-0.5%
Industry	6 728	7 186	7 150	9 618	10 234	10 743	5.0%
<i>among which:</i>							
Iron&steel industry	19	11	11	14	29	5	-82.8%
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	2 526	2 739	465	207	216	260	20.4%
Non-met. mineral prod.	1 816	1 697	1 934	1 999	2 079	1 386	-33.3%
Food, drink, tobacco	662	874	1 951	3 270	3 248	4 027	24.0%
Pulp, paper and print	26	33	414	1 307	1 507	950	-37.0%
Engineering & metal	1 030	897	1 063	1 218	1 077	1 261	17.1%
Other industries	460	726	622	666	817	1 539	88.4%
Transport	-	-	-	-	-	-	-
Services & households etc.	8 890	7 053	8 130	7 521	7 915	8 165	3.2%
<i>among which:</i>							
Households	6 882	5 747	5 674	4 899	5 062	5 188	2.5%
Services	1 666	983	1 878	1 465	1 537	1 662	8.1%

6.1 Hard coal

	LIETUVA						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	259	232	145	130	106	223	110.4%
Total exports	48	8	-	-	-	-	-
Stock changes	45	-5	29	-	9	-12	-233.3%
Gross inland consumption	256	219	174	130	115	211	83.5%
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	25	26	17	12	13	11	-15.4%
Consumption of energy branch	-	-	-	-	-	-	-
Industry	7	6	9	6	4	79	-
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	1	1	-	-	-	74	-
Food, drink, tobacco	-	1	4	3	2	3	50.0%
Pulp, paper and print	2	2	2	1	-	-	-
Engineering & metal	-	-	-	-	-	-	-
Other industries	4	1	1	1	1	1	0.0%
Services & households etc.	223	185	146	112	98	120	22.4%
Structural data							
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		LIETUVA						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		89	62	83	42	35	50	42.9%
Brown coal briquettes		21	14	15	10	9	11	22.2%
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		11	13	13	12	10	10	0.0%
<i>among which:</i>								
Iron & steel industry		2	1	1	1	-	-	-
Services & households		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		31	27	28	16	15	15	0.0%
<i>among which:</i>								
Industry		9	5	3	4	3	1	-66.7%
Services & households		22	22	25	12	12	14	16.7%
Brown coal briquettes		23	15	18	10	9	11	22.2%
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		23	15	18	10	9	11	22.2%
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		-	-	-	-	-	-	-
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-
Consumption in industry		-	-	-	-	-	-	-

7. Renewable energy sources

		LIETUVA						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	25	612	656	656	658	692	5.3%
Hydro (excl. pumping)		25	36	36	29	28	30	8.6%
Wind		-	-	-	-	-	-	-
Solar		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Biomass		-	576	621	627	630	662	5.1%
	<i>among which:</i>							
Wood, wood-waste		-	576	621	627	630	662	5.1%
Municipal solid waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Gross inland consumption		25	606	627	649	682	689	1.1%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		-	43	21	39	68	98	43.2%
	<i>among which:</i>							
Wood, wood-waste		-	43	21	39	68	98	43.2%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	-	527	570	579	585	589	0.7%
	<i>by sector:</i>							
Industry		-	17	25	31	46	80	72.8%
Services & households etc.		-	510	545	548	539	509	-5.4%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		-	527	570	579	585	589	0.7%
	<i>among which:</i>							
Wood, wood-waste		-	527	570	579	585	589	0.7%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	:	22	31	26	-16.1%
Hydro with installed capacity > 1 & <10 MW		:	:	:	5	10	11	10.0%
Hydro with installed capacity > 10 MW		:	:	:	312	285	317	11.2%
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-

		LIETUVA						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		4	6	7	9	11	9	-18.2%
Hydro with installed capacity > 1 & <10 MW		2	2	2	4	4	6	50.0%
Hydro with installed capacity > 10 MW		101	101	101	101	101	101	0.0%
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	-	-	-	-
Solar Panels								
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

eurostat		LUXEMBOURG					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	47	50	46	57	50	56
Net energy imports		3 297	3 259	3 347	3 620	3 687	3 939
Net oil imports		1 913	2 048	2 100	2 332	2 396	2 498
Net gas imports		626	633	656	670	695	1 053
Gross inland energy consumption		3 351	3 274	3 440	3 628	3 765	3 979
Final energy consumption		3 224	3 183	3 341	3 544	3 689	3 734
Industry		1 028	864	918	954	918	885
Transport		1 467	1 553	1 701	1 877	1 986	2 126
Services and households etc.		729	767	722	714	786	723
Gross electricity generation	GWh	1 263	1 309	1 021	1 175	1 242	3 675
Final electricity consumption		5 133	5 297	5 510	5 716	5 633	5 673
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	15 476	16 543	17 838	19 451	19 713	20 051
Population	1000 per.	420	425	431	436	442	446
Industry added value	Mio EUR	3 397	3 483	3 567	3 793	3 929	4 042
Total imports (current prices)	Mio EUR	16 404	18 918	21 673	25 018	25 967	25 506
among which:							
All energy commodities		-	-	369	771	663	663
Oil products		-	-	-	-	-	-
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	216.5	197.9	192.8	186.5	191.0	198.5
Final energy consumption / GDP(95)		208.3	192.4	187.3	182.2	187.2	186.2
Energy intensity of industry:							
Final consumption / gross value-added mp		302.7	248.0	257.2	251.4	233.7	219.1
Energy intensity of service sector:							
Final consumption / gross value-added mp		8.2	8.3	6.7	6.5	6.8	5.6
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	7 979	7 704	7 981	8 320	8 519	8 923
Final energy consumption / capita		7 677	7 490	7 753	8 129	8 347	8 373
Household consumption / capita		1 451	1 499	1 411	1 367	1 494	1 383
Electricity consumption / capita	kWh/cap.	13 117	13 325	13 487	13 780	13 541	13 664
Energy dependency							
Net energy imports / Gross consumption	in %	98.4	99.5	97.3	99.8	97.9	99.0
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	96.2	97.2	97.1	97.7	98.0	93.8
Efficiency of thermal power stations		40.5	69.9	72.8	68.5	71.2	59.0

2. Energy balance

Principal aggregates by product

eurostat	LUXEMBOURG						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>							
Primary production							
Total	47	50	46	57	50	56	12.5%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	7	10	8	10	2	10	465.0%
Biomass	40	40	36	44	46	44	-3.6%
Imports							
Total	3 375	3 356	3 423	3 701	3 782	4 209	11.3%
<i>among which:</i> Hard coal	136	106	107	120	106	89	-16.4%
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	1 918	2 065	2 120	2 350	2 427	2 515	3.6%
Natural Gas	626	633	656	670	695	1 053	51.6%
Electricity	519	545	534	555	549	548	-0.2%
Exports							
Total	78	96	75	81	95	269	183.9%
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	5	17	19	18	31	17	-45.8%
Natural gas	-	-	-	-	-	-	-
Electricity	73	79	56	63	64	253	295.0%
Gross inland consumption							
Total	3 351	3 274	3 440	3 628	3 765	3 979	5.7%
<i>among which:</i> Solid fuels	312	113	113	125	110	93	-15.9%
Crude oil and petrol. prod.	1 921	2 013	2 147	2 283	2 425	2 482	2.3%
Natural gas	626	633	656	670	695	1 053	51.6%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	47	50	46	57	50	56	12.5%
Transformation input							
Total	172	65	63	75	87	449	414.0%
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	4	-	-	-	-	-	-
Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Renewables	24	24	20	28	30	29	-3.7%
Transformation output							
Total	111	45	46	52	62	265	325.8%
<i>among which:</i> Electricity	28	21	22	25	29	228	683.5%
Heat	13	24	24	27	33	36	10.4%

Final energy consumption

Total	3 224	3 183	3 341	3 544	3 689	3 734	1.2%
<i>among which:</i> Solid fuels	237	108	109	121	107	93	-13.6%
Petroleum products	1 900	1 991	2 109	2 266	2 411	2 469	2.4%
Natural Gas	583	590	611	623	637	633	-0.7%
Renewables	15	15	15	16	16	15	-3.4%
Electricity	441	455	474	491	484	488	0.7%

Final energy consumption by sector
Industry

Total	1 028	864	918	954	918	885	-3.6%
<i>among which:</i> Solid fuels	234	106	107	120	106	89	-16.4%
Petroleum Products	96	81	78	73	67	53	-20.8%
Natural Gas	383	374	398	413	406	405	-0.2%
Renewables	-	-	-	-	-	-	-
Electricity	272	283	318	331	318	318	0.0%


Transport

Total	1 467	1 553	1 701	1 877	1 986	2 126	7.1%
<i>among which:</i> Motor spirit	566	569	587	607	598	584	-2.3%
Diesel oil	642	692	772	939	1 030	1 154	12.1%
Jet fuel	251	282	332	320	346	375	8.3%
Electricity	7	7	8	8	9	9	3.0%


Services&households

Total	729	767	722	714	786	723	-8.0%
<i>among which:</i> Solid fuels	2	2	1	1	1	4	300.0%
Gas oil	331	348	326	313	352	295	-16.1%
Natural Gas	201	216	213	210	231	228	-1.5%
Renewables	15	15	15	16	16	15	-3.4%
Electricity	163	165	148	152	158	161	2.0%
Heat	3	5	6	9	12	16	30.9%


3.1 Electricity balance

 eurostat	LUXEMBOURG						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	1 263	1 309	1 021	1 175	1 242	3 675	195.9%
<i>among which:</i>							
Hydro	937	1 049	747	862	877	994	13.3%
Wind	3	11	18	27	26	25	-3.8%
Geothermal	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Conventional thermal	323	249	256	286	339	2 656	683.5%
<i>of which:</i>							
Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Petroleum products	13	-	-	-	-	-	-
Natural gas	177	204	204	234	279	2 593	829.4%
Derived gases	87	-	-	-	-	-	-
Biomass	46	45	50	52	59	61	3.4%
Industrial wastes	-	-	2	-	1	2	100.0%
Total net generation	1 232	1 250	996	1 147	1 179	3 618	206.9%
Imports and exports							
Total imports	6 032	6 338	6 212	6 457	6 390	6 377	-0.2%
Total exports	846	924	655	735	744	2 939	295.0%
Consumption and losses							
Consumption of the energy branch	356	351	291	298	225	362	60.9%
<i>of which:</i>							
Consumption for pumped-storage	325	291	254	270	162	305	88.3%
Network losses	167	108	126	141	173	197	13.9%
Final energy consumption	5 133	5 297	5 510	5 716	5 633	5 673	0.7%
<i>of which:</i>							
Industry	3 160	3 292	3 693	3 852	3 693	3 694	0.0%
<i>among which:</i>							
Iron&steel industry	1 681	1 728	1 845	1 924	1 903	1 960	3.0%
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	262	270	319	333	309	299	-3.2%
Non-met. mineral prod.	311	313	-	-	-	-	-
Food, drink, tobacco	72	76	90	94	87	84	-3.4%
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	548	578	683	712	661	640	-3.2%
Other industries	-	-	370	386	359	348	-3.1%
Transport	81	87	94	97	101	104	3.0%
Services & households etc.	1 892	1 918	1 723	1 767	1 839	1 875	2.0%
<i>among which:</i>							
Households	763	752	678	695	723	737	1.9%


3.2 Electrical capacity, fuel inputs and heat


		LUXEMBOURG						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	1 278	1 210	1 219	1 226	1 208	1 596	32.1%
<i>by source:</i>								
Conventional thermal		135	59	72	74	65	443	581.5%
<i>of which:</i>								
Steam		102	9	9	9	9	9	0.0%
Gas turbine		-	-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-	-
Internal combustion		15	32	45	47	47	66	40.4%
Nuclear		-	-	-	-	-	-	-
Hydro		1 140	1 141	1 138	1 138	1 128	1 138	0.9%
<i>among which:</i>								
Pumped storage		1 100	1 100	1 100	1 100	1 100	1 100	0.0%
Wind		3	10	9	14	15	15	0.0%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		1 149	1 144	1 142	1 148	1 140	1 490	30.7%
Autoproducers		132	75	72	79	87	107	23.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	102	65	63	75	87	449	414.0%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		4	-	-	-	-	-	-
Natural gas		41	41	42	47	57	420	634.1%
Renewables		24	24	20	28	30	29	-3.7%
Heating plants		-	-	-	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	13	24	24	27	33	36	10.4%
<i>among which: in heating plants</i>								
		-	-	-	-	-	-	-
Heat consumption		13	24	24	27	33	36	10.4%
<i>of which: in industry</i>								
		10	19	17	17	21	20	-1.6%
<i>in households and services</i>								
		3	5	6	9	12	16	30.9%
<i>among which: in households</i>								
		3	5	6	9	12	16	30.9%

4.1 Crude oil and feedstocks


 eurostat	in 1 000 t	LUXEMBOURG						
		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		-	-	-	-	-	-	-
Total exports		-	-	-	-	-	-	-
Stock changes		-	-	-	-	-	-	-
Refinery intake		-	-	-	-	-	-	-
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	1 000 t/year	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products


 eurostat	LUXEMBOURG						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	-	-	-	-	-	-	-
<i>among which:</i>							
Motor spirit	-	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-	-
Total imports	1 874	2 016	2 069	2 295	2 372	2 459	3.7%
Total exports	5	16	18	17	30	16	-46.7%
Bunkers	-	-	-	-	-	-	-
Stock changes	8	-35	46	-48	28	-16	-157.1%
Gross inland consumption	1 877	1 965	2 097	2 230	2 370	2 427	2.4%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	133	166	181	72	71	76	7.0%
United Kingdom	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
OPEC	-	-	-	-	-	-	-
Imports by product							
<i>among which:</i>							
Motor spirit	549	553	555	595	574	554	-3.5%
Kerosene and jet fuel	243	281	323	319	331	371	12.1%
Gas/diesel oil	1 014	1 125	1 134	1 333	1 416	1 491	5.3%
Residual fuel oil	37	7	5	6	7	6	-14.3%
Exports by product							
<i>among which:</i>							
Motor spirit	2	3	4	3	3	2	-33.3%
Kerosene and jet fuel	-	-	-	-	-	-	-
Gas/diesel oil	2	5	6	8	21	8	-61.9%
Residual fuel oil	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	4	-	-	-	-	-	-
Inputs to heating plants	-	-	-	-	-	-	-
Non-energy use	18	18	22	14	12	11	-8.3%
Final energy consumption	1 856	1 942	2 058	2 213	2 356	2 414	2.5%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	58	60	56	50	45	32	-28.9%
Residual fuel oil	36	7	5	6	7	6	-14.3%

 eurostat	LUXEMBOURG							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry	37	18	21	9	6	4	-33.3%	
Non-ferrous metals	-	-	-	-	-	-	-	
Chemical industry	16	8	7	5	5	4	-20.0%	
Non-met. mineral prod.	10	10	10	8	8	5	-37.5%	
Food, drink, tobacco	5	4	5	4	3	3	0.0%	
Pulp, paper and print	-	-	-	-	-	-	-	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	27	38	31	40	39	29	-25.6%	
Transport	1 419	1 503	1 648	1 821	1 928	2 067	7.2%	
<i>among which:</i>								
Motor spirit	539	541	559	578	569	556	-2.3%	
Jet fuel	244	275	323	312	337	365	8.3%	
Diesel oil	635	685	764	929	1 019	1 142	12.1%	
Services & households etc.	340	359	334	321	362	295	-18.5%	
<i>among which:</i>								
Gas oil	328	344	323	310	348	292	-16.1%	
Residual fuel oil	-	-	-	-	-	-	-	
Stocks at end of period								
Crude oil and feedstocks	-	-	-	-	-	-	-	
Petroleum products	99	134	88	136	108	124	14.8%	


5. Natural gas

 eurostat	LUXEMBOURG								
	<i>in TJ (GCV)</i>		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply									
Primary production		-	-	-	-	-	-	-	-
Total imports		29 131	29 434	30 511	31 191	32 311	48 986	51.6%	
Total exports		-	-	-	-	-	-	-	-
Stock changes		-	-	-	-	-	-	-	-
Gross inland consumption		29 131	29 434	30 511	31 191	32 311	48 986	51.6%	
Imports									
Imports by origin									
<i>among which:</i>									
CIS		-	-	-	0p	3 792	-	-	-
Algeria		-	-	-	-	-	-	-	-
Norway		26 593	27 240	28 536	28 775	28 519	-	-	-
Consumption									
Inputs to electricity plants		1 930	1 895	1 962	2 195	2 662	19 541	634.1%	
Inputs to heat plants		-	-	-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-	-
Distribution losses		63	101	132	21	-	-	-	-
Non-energy use		-	-	-	-	-	-	-	-
Industry		17 795	17 379	18 518	19 191	18 889	18 843	-0.2%	
<i>among which:</i>									
Iron&steel industry		6 852	6 100	6 601	6 868	7 025	8 343	18.8%	
Non-ferrous metals		-	-	-	-	-	-	-	-
Chemical industry		-	-	-	-	-	-	-	-
Non-met. mineral prod.		-	-	-	-	-	-	-	-
Food, drink, tobacco		-	-	-	-	-	-	-	-
Pulp, paper and print		-	-	-	-	-	-	-	-
Engineering & metal		-	-	-	-	-	-	-	-
Other industries		10 943	11 279	11 917	12 323	11 864	10 500	-11.5%	
Transport		-	-	-	-	-	-	-	-
Services & households etc.		9 343	10 058	9 899	9 784	10 760	10 602	-1.5%	
<i>among which:</i>									
Households		9 343	10 058	9 899	9 784	10 760	10 602	-1.5%	
Services		-	-	-	-	-	-	-	-


6.1 Hard coal


 eurostat	LUXEMBOURG							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	194	152	153	171	152	127	-16.4%	
Total exports	-	-	-	-	-	-	-	
Stock changes	-	-	-	-	-	-	-	
Gross inland consumption	194	152	153	171	152	127	-16.4%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	-	-	-	-	-	-	-	
Poland	-	-	-	-	-	-	-	
CIS	-	-	-	-	-	-	-	
Australia	-	-	-	-	-	-	-	
South Africa	99	91	90	114	81	55	-32.1%	
Colombia	-	-	-	-	-	-	-	
Consumption								
Inputs to electricity plants								
Inputs to electricity plants	-	-	-	-	-	-	-	
Inputs to heat plants	-	-	-	-	-	-	-	
Consumption of energy branch	-	-	-	-	-	-	-	
Industry								
<i>among which:</i>								
Iron&steel industry	75	42	41	39	38	47	23.7%	
Non-ferrous metals	-	-	-	-	-	-	-	
Chemical industry	-	-	-	-	-	-	-	
Non-met. mineral prod.	119	110	112	132	114	80	-29.8%	
Food, drink, tobacco	-	-	-	-	-	-	-	
Pulp, paper and print	-	-	-	-	-	-	-	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	-	-	-	-	-	-	-	
Services & households etc.	-	-	-	-	-	-	-	
Structural data								
Personnel employed underground								
(annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines								
(end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

 eurostat	LUXEMBOURG						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	-	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	-	-	-	-	-	-	-
Blast-furnace gas	2 940	-	-	-	-	-	-
Gasworks gas	-	-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	145	-	-	-	-	-	-
<i>among which:</i>							
Iron & steel industry	145	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
<i>among which:</i>							
Services & households	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Brown coal briquettes	5	4	3	2	2	8	300.0%
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	5	4	3	2	2	8	300.0%
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	-	-	-	-	-	-	-
Blast-furnace gas	1 401	-	-	-	-	-	-
Gasworks gas	-	-	-	-	-	-	-
Inputs to electricity plants	1 346	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Consumption in industry	1 401	-	-	-	-	-	-

7. Renewable energy sources

		LUXEMBOURG						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	47	50	46	57	50	56	12.5%
Hydro (excl. pumping)		7	10	8	10	2	10	465.0%
Wind		0	1	2	2	2	2	-3.8%
Solar		-	-	-	-	0	0	0.0%
Geothermal		-	-	-	-	-	-	-
Biomass		40	40	36	44	46	44	-3.6%
	<i>among which:</i>							
Wood, wood-waste		15	15	15	16	16	15	-3.4%
Municipal solid waste		23	23	20	27	28	27	-5.0%
Biogas		1	2	0	1	2	2	14.3%
Gross inland consumption		47	50	46	57	50	56	12.5%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		24	24	20	28	30	29	-3.7%
	<i>among which:</i>							
Wood, wood-waste		-	-	-	-	-	-	-
Municipal waste		23	23	20	27	28	27	-5.0%
Biogas		1	2	0	1	2	2	14.3%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	15	15	15	16	16	15	-3.4%
	<i>by sector:</i>							
Industry		-	-	-	-	-	-	-
Services & households etc.		15	15	15	16	16	15	-3.4%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		15	15	15	16	16	15	-3.4%
	<i>among which:</i>							
Wood, wood-waste		15	15	15	16	16	15	-3.4%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	1	1	0.0%
Hydro with installed capacity < 1 MW		5	5	5	6	6	5	-16.7%
Hydro with installed capacity > 1 & <10 MW		84	118	80	114	127	108	-15.0%
Hydro with installed capacity > 10 MW		-	-	-	-	-	-	-
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		46	45	50	52	51	52	2.0%
Biogas		-	1	1	4	8	9	12.5%

	LUXEMBOURG						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW	1	1	2	2	2	2	0.0%
Hydro with installed capacity > 1 & <10 MW	34	34	36	36	26	36	38.5%
Hydro with installed capacity > 10 MW	-	-	-	-	-	-	-
Wood, Wood-waste	-	-	-	-	-	-	-
Municipal waste	10	9	9	9	9	9	0.0%
Biogas	-	-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	1	2	2	2	2	2	0.0%

1. Energy economy

Key figures and energy indicators

		MAGYARORSZAG					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	12 281	11 467	11 378	11 127	10 763	10 581
Net energy imports		13 650	14 352	13 921	14 011	13 881	14 643
Net oil imports		5 544	6 093	5 446	5 352	4 828	4 678
Net gas imports		6 549	7 080	7 316	7 283	7 783	8 705
Gross inland energy consumption		25 307	25 089	25 347	24 941	25 389	25 168
Final energy consumption		15 165	15 274	15 853	15 798	16 400	16 486
Industry		3 687	3 666	3 508	3 489	3 580	3 749
Transport		2 784	3 069	3 257	3 251	3 399	3 482
Services and households etc.		8 695	8 539	9 089	9 058	9 421	9 256
Gross electricity generation	GWh	35 396	37 188	37 719	35 191	36 417	36 157
Final electricity consumption		28 837	28 972	28 938	29 441	30 543	31 484
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	36 147	37 904	39 479	41 533	43 132	44 641
Population	1000 per.	10 291	10 267	10 238	10 211	10 188	10 159
Industry added value	Mio EUR	10 446	11 278	12 065	13 216	13 365	13 738
Total imports (current prices)	Mio EUR	20 522	25 404	28 783	34 358	36 095	38 327
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	700.1	661.9	642.1	600.5	588.6	563.8
Final energy consumption / GDP(95)		419.5	403.0	401.6	380.4	380.2	369.3
Energy intensity of industry:							
Final consumption / gross value-added mp		353.0	325.1	290.8	264.0	267.9	272.9
Energy intensity of service sector:							
Final consumption / gross value-added mp		144.8	144.4	144.4	142.1	143.5	128.0
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 459	2 444	2 476	2 443	2 492	2 478
Final energy consumption / capita		1 474	1 488	1 549	1 547	1 610	1 623
Household consumption / capita		507	482	523	517	539	548
Electricity consumption / capita	kWh/cap.	3 628	3 679	3 781	3 766	3 868	3 959
Energy dependency							
Net energy imports / Gross consumption	in %	53.9	57.2	54.9	56.2	54.7	58.2
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	59.9	60.9	62.5	63.3	64.6	65.5
Efficiency of thermal power stations		44.4	49.1	50.2	49.9	50.9	48.8

2. Energy balance

Principal aggregates by product

in 1 000 toe	Magyarország						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	12 281	11 467	11 378	11 127	10 763	10 581	-1.7%
among which:							
Hard coal	260	243	-	-	-	-	-
Lignite and peat	3 039	2 802	2 951	2 893	2 664	2 683	0.7%
Crude oil	2 000	1 845	1 796	1 665	1 560	1 508	-3.3%
Natural Gas	3 360	2 965	2 624	2 475	2 477	2 356	-4.9%
Nuclear heat	3 603	3 599	3 636	3 658	3 644	3 599	-1.2%
Hydro-electricity	19	13	16	15	16	17	4.3%
Biomass	-	-	351	416	385	400	3.8%
Imports							
Total	15 923	16 541	16 242	16 433	16 875	17 932	6.3%
among which:							
Hard coal	1 350	1 137	1 068	1 116	835	678	-18.8%
Crude oil and feedstocks	5 803	6 226	5 846	5 867	5 706	5 001	-12.4%
Petroleum products	1 624	1 698	1 522	1 188	1 397	2 204	57.8%
Natural Gas	6 549	7 081	7 320	7 347	7 786	8 705	11.8%
Electricity	379	288	374	819	894	1 084	21.2%
Exports							
Total	2 273	2 189	2 321	2 422	2 994	3 289	9.8%
among which:							
Crude oil and feedstocks	-	-	2	1	-	-	-
Petroleum products	1 883	1 831	1 920	1 703	2 275	2 527	11.1%
Natural gas	-	2	4	65	3	-	-
Electricity	194	225	283	523	622	718	15.4%
Gross inland consumption							
Total	25 307	25 089	25 347	24 941	25 389	25 168	-0.9%
among which:							
Solid fuels	4 559	4 165	4 142	3 967	3 640	3 615	-0.7%
Crude oil and petrol. prod.	7 232	7 473	7 202	6 927	6 703	6 347	-5.3%
Natural gas	9 709	9 776	9 905	9 657	10 711	10 805	0.9%
Nuclear Energy	3 603	3 599	3 636	3 658	3 644	3 599	-1.2%
Renewables	19	13	371	436	409	424	3.8%
Transformation input							
Total	20 154	20 114	19 631	18 865	18 833	17 461	-7.3%
among which:							
Crude oil and feedstocks	8 017	8 074	7 768	7 588	7 649	6 767	-11.5%
Petroleum products	1 563	1 629	1 379	1 082	1 060	619	-41.6%
Hard coal	1 428	1 298	914	955	693	435	-37.2%
Lignite and peat	2 888	2 790	2 982	2 723	2 612	2 612	0.0%
Renewables	-	-	26	63	65	55	-15.8%
Transformation output							
Total	13 728	14 056	13 667	13 273	13 148	11 774	-10.4%
among which:							
Electricity	3 025	3 184	3 237	3 011	3 115	3 092	-0.7%
Heat	1 625	1 689	1 726	1 645	1 701	1 474	-13.3%

		MAGYARORSZAG						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>								
Final energy consumption								
Total		15 165	15 274	15 853	15 798	16 400	16 486	0.5%
<i>among which:</i>	Solid fuels	772	620	704	792	668	703	5.2%
	Petroleum products	3 865	4 076	4 279	4 174	4 152	4 346	4.7%
	Natural Gas	6 432	6 394	6 441	6 365	7 009	6 988	-0.3%
	Renewables	-	-	325	353	320	345	7.8%
	Electricity	2 480	2 491	2 488	2 531	2 626	2 707	3.1%
Final energy consumption by sector								
Industry								
Total		3 687	3 666	3 508	3 489	3 580	3 749	4.7%
<i>among which:</i>	Solid fuels	381	371	461	447	423	427	0.8%
	Petroleum Products	326	317	332	268	209	324	55.5%
	Natural Gas	1 647	1 660	1 408	1 370	1 560	1 572	0.7%
	Renewables	-	-	-	-	-	-	-
	Electricity	758	712	731	757	811	882	8.7%
Transport								
Total		2 784	3 069	3 257	3 251	3 399	3 482	2.4%
<i>among which:</i>	Motor spirit	1 422	1 460	1 477	1 408	1 464	1 403	-4.2%
	Diesel oil	1 087	1 336	1 485	1 532	1 621	1 782	10.0%
	Jet fuel	184	192	206	219	218	205	-5.7%
	Electricity	88	81	86	87	89	87	-1.6%
Services&households								
Total		8 695	8 539	9 089	9 058	9 421	9 256	-1.8%
<i>among which:</i>	Solid fuels	390	249	244	341	240	276	15.0%
	Gas oil	430	363	354	346	290	293	1.0%
	Natural Gas	4 783	4 733	5 032	4 994	5 447	5 414	-0.6%
	Renewables	-	-	325	353	320	345	7.8%
	Electricity	1 633	1 698	1 672	1 688	1 726	1 738	0.7%
	Heat	1 043	1 086	1 036	930	1 041	846	-18.7%

3.1 Electricity balance

	MAGYARORSZAG							
	<i>in GWh</i>	1997	1998	1999	2000	2001	2002	02/01
Generation								
Total gross generation		35 396	37 188	37 719	35 191	36 417	36 157	-0.7%
<i>among which:</i>								
Hydro		216	155	181	178	186	194	4.3%
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Nuclear		13 968	13 949	14 661	14 180	14 126	13 953	-1.2%
Conventional thermal		21 212	23 084	22 877	20 833	22 105	22 010	-0.4%
<i>of which:</i>								
Hard coal		-	-	-	67	50	93	86.0%
Lignite and peat		9 386	9 557	9 505	9 523	8 789	8 890	1.1%
Petroleum products		5 861	5 963	5 306	4 404	4 193	2 137	-49.0%
Natural gas		5 754	7 329	7 822	6 612	8 866	10 740	21.1%
Derived gases		126	130	-	117	84	80	-4.8%
Biomass		85	105	244	110	115	70	-39.1%
Industrial wastes		-	-	-	-	8	-	-
Total net generation		32 434	34 258	34 903	32 259	33 701	33 473	-0.7%
Imports and exports								
Total imports		4 410	3 354	4 349	9 523	10 403	12 605	21.2%
Total exports		2 261	2 614	3 286	6 083	7 232	8 349	15.4%
Consumption and losses								
Consumption of the energy branch		3 972	4 040	5 064	4 350	4 370	4 531	3.7%
<i>of which:</i>								
Consumption for pumped-storage		-	-	-	-	-	-	-
Network losses		4 736	4 916	4 892	4 840	4 676	4 399	-5.9%
Final energy consumption		28 837	28 972	28 938	29 441	30 543	31 484	3.1%
<i>of which:</i>								
Industry		8 820	8 285	8 503	8 799	9 434	10 255	8.7%
<i>among which:</i>								
Iron&steel industry		890	592	561	579	644	685	6.4%
Non-ferrous metals		914	949	839	989	514	1 085	111.1%
Chemical industry		2 356	2 401	2 894	2 803	3 057	3 048	-0.3%
Non-met. mineral prod.		716	912	910	871	971	977	0.6%
Food, drink, tobacco		1 460	1 189	1 104	1 092	1 389	1 403	1.0%
Pulp, paper and print		348	496	478	510	464	450	-3.0%
Engineering & metal		1 382	821	809	869	1 252	1 432	14.4%
Other industries		273	598	625	759	849	885	4.2%
Transport		1 027	943	995	1 015	1 031	1 015	-1.6%
Services & households etc.		18 990	19 744	19 440	19 627	20 078	20 214	0.7%
<i>among which:</i>								
Households		9 780	9 976	9 833	9 792	10 130	10 440	3.1%

3.2 Electrical capacity, fuel inputs and heat

		MAGYARORSZAG						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	7 534	7 850	7 842	8 282	8 392	8 513	1.4%
<i>by source:</i>								
Conventional thermal		5 646	5 959	5 954	6 383	6 478	6 599	1.9%
<i>of which:</i>								
Steam		5 043	5 153	5 170	5 020	5 022	5 001	-0.4%
Gas turbine		358	442	410	580	580	410	-29.3%
Combined cycle		245	364	374	783	876	986	12.6%
Internal combustion		-	-	-	-	-	-	-
Nuclear		1 840	1 843	1 840	1 851	1 866	1 866	0.0%
Hydro		48	48	48	48	48	48	0.0%
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		7 352	7 668	7 650	8 084	8 196	8 317	1.5%
Autoproducers		182	182	192	198	196	196	0.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	6 523	6 549	6 572	6 011	6 106	5 918	-3.1%
<i>among which:</i>								
Hard coal		283	248	-	23	16	27	63.3%
Lignite and peat		2 834	2 764	2 956	2 708	2 556	2 566	0.4%
Petroleum products		1 457	1 489	1 298	1 052	1 039	583	-43.9%
Natural gas		1 917	2 008	2 171	2 038	2 325	2 584	11.2%
Renewables		-	-	26	60	63	50	-20.5%
Heating plants		671	622	511	441	562	564	0.3%
<i>among which:</i>								
Hard coal		8	2	2	-	1	1	0.0%
Lignite and peat		26	3	2	1	44	46	4.6%
Petroleum products		102	127	73	21	16	15	-1.4%
Natural gas		506	451	434	417	499	496	-0.6%
Renewables		-	-	-	3	3	5	94.7%
Heat production and consumption								
Total heat production	TJ	1 625	1 689	1 726	1 645	1 701	1 474	-13.3%
<i>among which: in heating plants</i>		535	440	437	421	477	461	-3.2%
Heat consumption		1 440	1 513	1 489	1 440	1 517	1 297	-14.5%
<i>of which: in industry</i>		398	427	453	510	476	451	-5.3%
<i>in households and services</i>		1 043	1 086	1 036	930	1 041	846	-18.7%
<i>among which: in households</i>		723	757	742	668	748	607	-18.8%

4.1 Crude oil and feedstocks

		MAGYARORSZAG						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		1 972	1 823	1 777	1 649	1 540	1 491	-3.2%
Total imports		5 723	6 151	5 786	5 809	5 634	4 945	-12.2%
Total exports		-	-	2	1	-	-	-
Stock changes		-18	-206	21	-81	212	47	-77.8%
Refinery intake		7 906	7 976	7 687	7 512	7 551	6 690	-11.4%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	MAGYARORSZAG						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Production and supply							
Total refinery output	7 888	7 992	7 659	7 483	7 450	6 587	-11.6%
<i>among which:</i>							
Motor spirit	1 392	1 478	1 418	1 253	1 403	1 357	-3.3%
Kerosene and jet fuel	266	209	196	201	179	184	2.8%
Naphtha	757	798	734	803	760	767	0.9%
Gas/diesel oil	2 586	2 586	2 525	2 466	2 547	2 593	1.8%
Residual fuel oil	1 358	1 253	1 533	1 442	1 291	282	-78.2%
Total imports	1 643	1 713	1 517	1 170	1 372	2 180	58.9%
Total exports	1 848	1 810	1 887	1 695	2 249	2 534	12.7%
Bunkers	-	-	-	-	-	-	-
Stock changes	-293	-245	-66	-6	103	110	6.8%
Gross inland consumption	-498	-342	-436	-531	-774	-244	68.5%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
OPEC	-	-	-	-	-	-	-
Imports by product							
<i>among which:</i>							
Motor spirit	201	191	209	178	244	244	0.0%
Kerosene and jet fuel	49	19	48	40	50	59	18.0%
Gas/diesel oil	186	267	287	352	530	992	87.2%
Residual fuel oil	983	923	618	247	158	503	218.4%
Exports by product							
<i>among which:</i>							
Motor spirit	364	356	415	312	504	498	-1.2%
Kerosene and jet fuel	80	32	39	14	11	47	327.3%
Gas/diesel oil	830	859	904	788	957	1 293	35.1%
Residual fuel oil	11	-	9	172	242	54	-77.7%
Consumption							
Inputs to electricity plants	1 525	1 558	1 359	1 101	1 084	604	-44.3%
Inputs to heating plants	106	133	76	22	16	16	0.0%
Non-energy use	1 155	1 345	1 003	1 244	1 004	973	-3.1%
Final energy consumption	3 758	3 964	4 169	4 061	4 035	4 238	5.0%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	29	16	12	19	43	120	179.1%
Residual fuel oil	285	288	322	242	143	149	4.2%

		MAGYARORSZAG						
<i>in 1 000 t</i>		1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry		17	21	43	44	1	-	
Non-ferrous metals		7	4	2	3	2	-	
Chemical industry		64	81	66	43	14	37	164.3%
Non-met. mineral prod.		108	165	148	97	72	101	40.3%
Food, drink, tobacco		76	15	47	60	68	55	-19.1%
Pulp, paper and print		12	8	15	8	10	10	0.0%
Engineering & metal		20	11	9	8	6	5	-16.7%
Other industries		18	9	6	6	14	7	-50.0%
Transport		2 609	2 898	3 078	3 069	3 211	3 301	2.8%
<i>among which:</i>								
Motor spirit		1 353	1 389	1 405	1 340	1 393	1 335	-4.2%
Jet fuel		179	187	201	213	212	200	-5.7%
Diesel oil		1 076	1 322	1 470	1 516	1 604	1 764	10.0%
Services & households etc.		813	739	746	715	612	600	-2.0%
<i>among which:</i>								
Gas oil		426	359	350	342	287	290	1.0%
Residual fuel oil		56	49	81	48	55	34	-38.2%
Stocks at end of period								
Crude oil and feedstocks		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	MAGYARORSZAG						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	156 294	137 951	122 074	115 143	115 224	109 582	-4.9%
Total imports	304 682	329 423	340 509	341 792	362 207	404 952	11.8%
Total exports	-	76	173	3 004	134	-	
Stock changes	-9 321	-12 505	-1 627	-4 699	20 962	-11 863	-156.6%
Gross inland consumption	451 655	454 793	460 783	449 232	498 259	502 671	0.9%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	89 180	93 399	100 991	94 810	108 136	120 219	11.2%
Inputs to heat plants	23 528	20 993	20 172	19 410	23 225	23 092	-0.6%
Consumption of energy branch	13 363	13 984	12 701	9 298	9 659	8 132	-15.8%
Distribution losses	12 402	14 940	14 795	14 552	15 723	13 326	-15.2%
Non-energy use	13 971	13 972	12 461	15 187	15 408	9 680	-37.2%
Industry	76 633	77 231	65 493	63 716	72 574	73 117	0.7%
<i>among which:</i>							
Iron&steel industry	5 391	6 584	5 656	5 837	6 650	7 083	6.5%
Non-ferrous metals	3 471	4 611	4 381	4 749	5 412	5 450	0.7%
Chemical industry	25 978	17 332	13 312	12 528	12 013	11 387	-5.2%
Non-met. mineral prod.	16 655	16 902	14 282	15 211	17 459	16 851	-3.5%
Food, drink, tobacco	12 095	15 496	13 664	12 058	16 321	16 986	4.1%
Pulp, paper and print	2 835	3 633	2 971	2 855	3 186	3 502	9.9%
Engineering & metal	7 037	8 853	8 036	7 240	7 663	7 947	3.7%
Other industries	1 769	2 151	1 854	2 093	2 498	2 429	-2.8%
Transport	43	29	44	78	86	89	3.5%
Services & households etc.	222 525	220 201	234 080	232 311	253 399	251 861	-0.6%
<i>among which:</i>							
Households	140 088	130 666	140 936	136 227	148 127	152 669	3.1%
Services	72 686	79 752	82 755	86 998	95 154	88 973	-6.5%

6.1 Hard coal

<i>in 1 000 t</i>	MAGYARORSZAG						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	854	813	-	-	-	-	-
Total imports	1 956	1 606	1 519	1 664	1 220	1 080	-11.5%
Total exports	-	-	-	-	-	-	-
Stock changes	-86	58	69	14	89	28	-68.5%
Gross inland consumption	2 724	2 477	1 588	1 678	1 309	1 108	-15.4%
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	1 002	824	-	51	30	49	63.3%
Inputs to heat plants	27	7	4	-	1	1	0.0%
Consumption of energy branch	-	-	-	-	-	-	-
Industry	9	55	144	112	144	116	-19.4%
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	5	52	142	112	141	112	-20.6%
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-
Services & households etc.	151	167	162	209	192	387	101.6%
Structural data							
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		MAGYARORSZAG						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels		<i>in 1 000 t</i>						
Coke		932	966	919	937	682	432	-36.7%
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		14 735	13 837	14 547	14 033	13 914	13 027	-6.4%
Brown coal briquettes		213	151	133	90	90	4	-95.6%
Derived gases		<i>in TJ (GCV)</i>						
Coke-oven gas		7 929	7 854	7 005	7 784	4 405	2 848	-35.3%
Blast-furnace gas		6 542	7 069	6 927	7 617	6 749	7 242	7.3%
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels		<i>in 1 000 t</i>						
Coke		454	492	542	506	486	498	2.5%
	<i>among which:</i>							
	Iron & steel industry	415	449	504	480	455	464	2.0%
	Services & households	14	12	18	13	11	9	-18.2%
Patent Fuel		-	-	-	-	-	-	-
	<i>among which:</i>							
	Services & households	-	-	-	-	-	-	-
Lignite and peat		1 229	539	543	1 043	544	244	-55.1%
	<i>among which:</i>							
	Industry	189	33	27	131	40	29	-27.5%
	Services & households	1 039	506	516	900	490	215	-56.1%
Brown coal briquettes		226	166	142	73	73	61	-16.4%
	<i>among which:</i>							
	Industry	-	-	-	-	-	-	-
	Services & households	226	166	142	73	73	61	-16.4%
Total derived gases		<i>in TJ (GCV)</i>						
Coke-oven gas		3 387	3 579	2 788	3 057	1 242	448	-63.9%
Blast-furnace gas		4 351	4 274	2 639	3 016	2 655	3 020	13.7%
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		1 396	1 723	5 096	5 541	4 523	4 585	1.4%
Inputs to heat plants		1 250	1 645	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-
Consumption in industry		7 738	7 853	5 427	6 073	3 897	3 468	-11.0%

7. Renewable energy sources

		MAGYARORSZAG						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	19	13	371	436	409	424	3.8%
Hydro (excl. pumping)		19	13	16	15	16	17	4.3%
Wind		-	-	-	-	-	-	-
Solar		-	-	-	-	1	2	16.7%
Geothermal		-	-	4	5	6	6	0.0%
Biomass		-	-	351	416	385	400	3.8%
	<i>among which:</i>							
Wood, wood-waste		-	-	325	356	323	349	7.8%
Municipal solid waste		-	-	26	60	62	48	-23.2%
Biogas		-	-	-	-	2	4	89.5%
Gross inland consumption		19	13	371	436	409	424	3.8%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		-	-	26	63	65	55	-15.8%
	<i>among which:</i>							
Wood, wood-waste		-	-	-	3	3	5	58.3%
Municipal waste		-	-	26	60	62	48	-23.2%
Biogas		-	-	-	-	2	4	89.5%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	-	-	329	358	327	353	7.7%
	<i>by sector:</i>							
Industry		-	-	-	-	-	-	-
Services & households etc.		-	-	329	358	327	353	7.7%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		-	-	325	353	320	345	7.8%
	<i>among which:</i>							
Wood, wood-waste		-	-	325	353	320	343	7.3%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Geothermal		-	-	4	5	6	6	0.0%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	6	5	6	7	16.7%
Hydro with installed capacity > 1 & <10 MW		:	:	31	40	27	21	-22.2%
Hydro with installed capacity > 10 MW		:	:	144	133	153	166	8.5%
Wood, Wood-waste		-	-	3	3	3	-	-
Municipal waste		85	105	111	110	112	59	-47.3%
Biogas		-	-	-	-	-	-	-

		MAGYARORSZAG						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	8	1	1	2	100.0%
Hydro with installed capacity > 1 & <10 MW		:	:	1	8	8	6	-25.0%
Hydro with installed capacity > 10 MW		:	:	39	39	39	39	0.0%
Wood, Wood-waste		-	-	1	1	1	1	0.0%
Municipal waste		-	24	24	24	24	20	-16.7%
Biogas		-	-	-	-	-	-	-
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	-	-	-	-
Solar Panels								
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		MALTA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	-	-	-	-	-	-
Net energy imports		1 004	1 019	1 015	1 231	1 324	1 324p
Net oil imports		1 004	1 019	1 015	1 231	1 324	1 324p
Net gas imports		-	-	-	-	-	-
Gross inland energy consumption		927	974	968	940	823	823p
Final energy consumption		548	529	551	522	445	445p
Industry		39	39	40	69	69	69p
Transport		346	321	335	319	266	266p
Services and households etc.		162	169	176	134	110	110p
Gross electricity generation	GWh	1 686	1 721	1 792	1 917	1 987	1 987
Final electricity consumption		1 360	1 402	1 460	1 802	1 867	1 867p
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	2 707	2 800	2 913	3 100	3 064	3 117
Population	1000 per.	375	378	384	390	393	396
Industry added value	Mio EUR	-	-	-	-	-	-
Total imports (current prices)	Mio EUR	-	-	2 786	3 077	2 794	2 739
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	342.3	347.8	332.3	303.1	268.6	264.0
Final energy consumption / GDP(95)		202.3	189.0	189.0	168.2	145.4	142.9
Energy intensity of industry:							
Final consumption / gross value-added mp		:	:	:	:	:	:
Energy intensity of service sector:							
Final consumption / gross value-added mp		:	:	:	:	:	:
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 470	2 579	2 523	2 409	2 094	2 078
Final energy consumption / capita		1 459	1 402	1 435	1 337	1 134	1 125
Household consumption / capita		309	324	332	211	157	156
Electricity consumption / capita	kWh/cap.	4 494	4 559	4 670	4 914	5 056	5 018
Energy dependency							
Net energy imports / Gross consumption	in %	100.0	100.0	100.0	100.5	100.0	100.0
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	59.1	54.3	56.9	55.5	54.1	54.1
Efficiency of thermal power stations		29.2	28.6	28.6	31.8	31.8	31.8

2. Energy balance

Principal aggregates by product

in 1 000 toe	MALTA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	-	-	-	-	-	-	-
among which:							
Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	-	-	-	-	-	-	-
Biomass	-	-	-	-	-	-	-
Imports							
Total	1 004	1 070	1 015	1 231	1 324	1 324p	0.0%
among which:							
Hard coal	-	-	-	-	-	-	-
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	1 004	1 070	1 015	1 231	1 324	1 324p	0.0%
Natural Gas	-	-	-	-	-	-	-
Electricity	-	-	-	-	-	-	-
Exports							
Total	-	52	-	-	-	-	-
among which:							
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	-	52	-	-	-	-	-
Natural gas	-	-	-	-	-	-	-
Electricity	-	-	-	-	-	-	-
Gross inland consumption							
Total	927	974	968	940	823	823p	0.0%
among which:							
Solid fuels	-	-	-	-	-	-	-
Crude oil and petrol. prod.	927	974	968	940	823	823p	0.0%
Natural gas	-	-	-	-	-	-	-
Nuclear Energy	-	-	-	-	-	-	-
Renewables	-	-	-	-	-	-	-
Transformation input							
Total	496	518	539	519	538	538p	0.0%
among which:							
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	496	518	539	519	538	538p	0.0%
Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Renewables	-	-	-	-	-	-	-
Transformation output							
Total	145	148	154	165	171	171p	0.0%
among which:							
Electricity	145	148	154	165	171	171p	0.0%
Heat	-	-	-	-	-	-	-

<i>in 1 000 toe</i>	MALTA						
	1997	1998	1999	2000	2001	2002	02/01
Final energy consumption							
Total	548	529	551	522	445	445p	0.0%
<i>among which:</i> Solid fuels	-	-	-	-	-	-	-
Petroleum products	431	409	425	367	285	285p	0.0%
Natural Gas	-	-	-	-	-	-	-
Renewables	-	-	-	-	-	-	-
Electricity	117	121	126	155	161	161p	0.0%
Final energy consumption by sector							
Industry							
Total	39	39	40	69	69	69p	0.0%
<i>among which:</i> Solid fuels	-	-	-	-	-	-	-
Petroleum Products	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Renewables	-	-	-	-	-	-	-
Electricity	39	39	40	69	69	69p	0.0%
Transport							
Total	346	321	335	319	266	266p	0.0%
<i>among which:</i> Motor spirit	81	85	88	75	54	54p	0.0%
Diesel oil	151	69	72	134	119	119p	0.0%
Jet fuel	115	167	175	110	93	93p	0.0%
Electricity	-	-	-	-	-	-	-
Services&households							
Total	162	169	176	134	110	110p	0.0%
<i>among which:</i> Solid fuels	-	-	-	-	-	-	-
Gas oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Renewables	-	-	-	-	-	-	-
Electricity	78	82	85	86	92	92p	0.0%
Heat	-	-	-	-	-	-	-

3.1 Electricity balance

<i>in GWh</i>	MALTA						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	1 686	1 721	1 792	1 917	1 987	1 987	0.0%
<i>among which:</i>							
Hydro	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Conventional thermal	1 686	1 721	1 792	1 917	1 987	1 987	0.0%
<i>of which:</i>							
Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Petroleum products	1 686	1 721	1 792	1 917	1 987	1 987	0.0%
Natural gas	-	-	-	-	-	-	-
Derived gases	-	-	-	-	-	-	-
Biomass	-	-	-	-	-	-	-
Industrial wastes	-	-	-	-	-	-	-
Total net generation	1 581	1 612	1 679	1 802	1 867	1 867	0.0%
Imports and exports							
Total imports	-	-	-	-	-	-	-
Total exports	-	-	-	-	-	-	-
Consumption and losses							
Consumption of the energy branch	105	109	113	115	120	120p	0.0%
<i>of which:</i>							
Consumption for pumped-storage	-	-	-	-	-	-	-
Network losses	221	210	219	-	-	-	-
Final energy consumption	1 360	1 402	1 460	1 802	1 867	1 867p	0.0%
<i>of which:</i>							
Industry	453	451	469	802	802	802p	0.0%
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-	-
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-	-
Other industries	453	451	469	802	802	802p	0.0%
Transport	-	-	-	-	-	-	-
Services & households etc.	907	951	991	1 000	1 065	1 065p	0.0%
<i>among which:</i>							
Households	462	500	521	500	500	500p	0.0%

3.2 Electrical capacity, fuel inputs and heat

		MALTA						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	480	460	488	515	1 987	1 987p	0.0%
by source:								
Conventional thermal		480	460	488	515	1 987	1 987p	0.0%
<i>of which:</i>								
Steam		373	355	328	300	-	-	-
Gas turbine		107	105	105	105	97	97p	0.0%
Combined cycle		-	-	55	110	62	62p	0.0%
Internal combustion		-	-	-	-	-	-	-
Nuclear		-	-	-	-	-	-	-
Hydro		-	-	-	-	-	-	-
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
by producer type:								
Public system		480	460	488	515	1 987	1 987p	0.0%
Autoproducers		-	-	-	-	-	-	-
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	496	518	539	519	538	538p	0.0%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		496	518	539	519	538	538p	0.0%
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heating plants		-	-	-	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	-	-	-	-	-	-	-
<i>among which: in heating plants</i>								
		-	-	-	-	-	-	-
Heat consumption		-	-	-	-	-	-	-
<i>of which: in industry</i>								
		-	-	-	-	-	-	-
<i>in households and services</i>								
		-	-	-	-	-	-	-
<i>among which: in households</i>								
		-	-	-	-	-	-	-

4.1 Crude oil and feedstocks

		MALTA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		-	-	-	-	-	-	-
Total exports		-	-	-	-	-	-	-
Stock changes		-	-	-	-	-	-	-
Refinery intake		-	-	-	-	-	-	-
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	MALTA						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Production and supply							
Total refinery output	-	-	-	-	-	-	-
<i>among which:</i>							
Motor spirit	-	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-	-
Total imports	1 020	1 083	1 030	1 261	1 361	1 361p	0.0%
Total exports	-	51	-	-	-	-	-
Bunkers	80	46	48	298	521	521p	0.0%
Stock changes	-	-	-	-6	-	-	-
Gross inland consumption	940	986	982	957	840	840p	0.0%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
OPEC	-	-	-	-	-	-	-
Imports by product							
<i>among which:</i>							
Motor spirit	77	81	84	70	51	51p	0.0%
Kerosene and jet fuel	167	262	229	123	91	91p	0.0%
Gas/diesel oil	190	157	110	201	172	172p	0.0%
Residual fuel oil	557	549	572	839	1 030	1 030p	0.0%
Exports by product							
<i>among which:</i>							
Motor spirit	-	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-	-
Gas/diesel oil	-	51	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	518	541	563	539	563	563p	0.0%
Inputs to heating plants	-	-	-	-	-	-	-
Non-energy use	-	4	4	-	-	-	-
Final energy consumption	422	399	415	360	277	277p	0.0%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	-	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-	-

	MALTA						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Industry							
<i>among which by sector:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-	-
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-
Transport	338	312	325	311	260	260p	0.0%
<i>among which:</i>							
Motor spirit	77	81	84	71	51	51p	0.0%
Jet fuel	112	163	170	107	91	91p	0.0%
Diesel oil	149	68	71	133	118	118p	0.0%
Services & households etc.	84	87	90	49	17	17p	0.0%
<i>among which:</i>							
Gas oil	-	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-	-
Stocks at end of period							
Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	MALTA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	-	-	-	-	-	-	-
Total exports	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-	-
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Distribution losses	-	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-	-
Industry	-	-	-	-	-	-	-
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-	-
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-
Transport	-	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-	-
<i>among which:</i>							
Households	-	-	-	-	-	-	-
Services	-	-	-	-	-	-	-

6.1 Hard coal

<i>in 1 000 t</i>	MALTA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	-	-	-	-	-	-	-
Total exports	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-	-
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants							
Inputs to electricity plants	-	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Industry							
<i>among which:</i>							
Iron&steel industry	-	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-	-
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-	-
Other industries	-	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-	-
Structural data							
Personnel employed underground							
(annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines							
(end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		MALTA						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		-	-	-	-	-	-	-
<i>among which:</i>								
Iron & steel industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		-	-	-	-	-	-	-
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-
Consumption in industry		-	-	-	-	-	-	-

7. Renewable energy sources

		MALTA						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	-	-	-	-	-	-	-
Hydro (excl. pumping)		-	-	-	-	-	-	-
Wind		-	-	-	-	-	-	-
Solar		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Biomass		-	-	-	-	-	-	-
<i>among which:</i>								
Wood, wood-waste		-	-	-	-	-	-	-
Municipal solid waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Gross inland consumption		-	-	-	-	-	-	-
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		-	-	-	-	-	-	-
<i>among which:</i>								
Wood, wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	-	-	-	-	-	-	-
<i>by sector:</i>								
Industry		-	-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-	-
Transport		-	-	-	-	-	-	-
<i>by source:</i>								
Biomass		-	-	-	-	-	-	-
<i>among which:</i>								
Wood, wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		-	-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-	-
Hydro with installed capacity > 10 MW		-	-	-	-	-	-	-
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-

	MALTA						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

eurostat		NEDERLAND					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	65 520	62 684	59 209	56 912	60 634	60 131
Net energy imports		22 707	23 462	25 889	34 275	31 409	31 294
Net oil imports		36 465	36 471	36 648	41 673	41 694	40 192
Net gas imports		-25 247	-22 688	-19 542	-17 191	-20 172	-18 450
Gross inland energy consumption		75 127	75 006	74 475	75 655	77 587p	78 195p
Final energy consumption		49 103	49 307	48 470	49 745	50 775	50 641
Industry		13 186	13 151	12 798	13 754	13 773	13 686
Transport		13 489	13 608	13 767	13 820	14 233	14 578
Services and households etc.		22 428	22 548	21 906	22 172	22 769	22 377
Gross electricity generation	GWh	86 659	90 898	86 396	89 615	93 747	95 965
Final electricity consumption		89 515	92 744	94 722	97 938	99 428	99 736
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	339 519	354 286	368 442	381 214	385 848	386 785
Population	1000 per.	15 609	15 707	15 812	15 926	16 046	16 149
Industry added value	Mio EUR	84 287	86 339	88 206	91 428	92 208	90 869
Total imports (current prices)	Mio EUR	186 851	202 802	214 546	237 122	242 871	242 405
among which:							
All energy commodities		12 622	5 094	13 982	24 671	22 138	24 137
Oil products		10 627	3 203	12 055	21 485	17 387	19 645
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	221.3	211.7	202.1	198.5	201.1	202.2
Final energy consumption / GDP(95)		144.6	139.2	131.6	130.5	131.6	130.9
Energy intensity of industry:							
Final consumption / gross value-added mp		156.4	152.3	145.1	150.4	149.4	150.6
Energy intensity of service sector:							
Final consumption / gross value-added mp		35.0	35.4	31.6	32.3	32.1	32.1
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	4 813	4 775	4 710	4 750	4 835	4 842
Final energy consumption / capita		3 146	3 139	3 065	3 123	3 164	3 136
Household consumption / capita		686	659	653	646	657	628
Electricity consumption / capita	kWh/cap.	6 325	6 506	6 602	6 754	6 861	6 894
Energy dependency							
Net energy imports / Gross consumption	in %	26.0	26.9	29.7	38.5	34.1	33.8
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	65.4	65.7	65.1	65.8	65.4	64.8
Efficiency of thermal power stations		51.4	52.5	51.1	54.3	52.8	52.6

2. Energy balance

Principal aggregates by product

eurostat	NEDERLAND						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>							
Primary production							
Total	65 520	62 684	59 209	56 912	60 634	60 131	-0.8%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Crude oil	2 960	2 680	2 556	2 373	2 285	3 102	35.8%
Natural Gas	60 591	57 613	54 118	51 904	55 713	54 275	-2.6%
Nuclear heat	591	937	988	1 013	1 026	1 010	-1.5%
Hydro-electricity	8	9	8	12	10	9	-7.7%
Biomass	1 324	1 383	1 476	1 529	1 519	1 642	8.1%
Imports							
Total	117 280	118 276	118 850	134 407	144 123	141 438	-1.9%
<i>among which:</i> Hard coal	12 985	14 207	11 755	13 709	18 575	13 381	-28.0%
Crude oil and feedstocks	61 268	62 507	59 745	61 141	61 400	55 745	-9.2%
Petroleum products	36 416	35 041	37 286	44 571	46 532	50 927	9.4%
Natural Gas	5 174	5 164	7 751	12 475	15 323	19 175	25.1%
Electricity	1 127	1 052	1 927	1 973	1 848	1 794	-2.9%
Exports							
Total	94 572	94 814	92 961	100 132	112 714	110 143	-2.3%
<i>among which:</i> Crude oil and feedstocks	526	345	310	186	358	901	151.4%
Petroleum products	60 693	60 733	60 074	63 853	65 880	65 578	-0.5%
Natural gas	30 420	27 853	27 294	29 666	35 495	37 624	6.0%
Electricity	41	36	341	347	362	386	6.6%
Gross inland consumption							
Total	75 127	75 006	74 475	75 655	77 587p	78 195p	0.8%
<i>among which:</i> Solid fuels	9 124	9 246	7 486	7 979	8 334	8 381	0.6%
Crude oil and petrol. prod.	27 383	27 156	28 034	28 496	29 374	29 600	0.8%
Natural gas	35 333	34 946	34 581	34 711	35 547	35 842	0.8%
Nuclear Energy	591	937	988	1 013	1 026	1 010	-1.5%
Renewables	1 378	1 454	1 547	1 622	1 610	1 744	8.3%
Transformation input							
Total	103 245	104 848	100 720	104 304	106 914p	104 340p	-2.4%
<i>among which:</i> Crude oil and feedstocks	80 947	81 730	77 924	82 188	83 510	80 694	-3.4%
Petroleum products	735	709	1 470	618	653	574	-12.1%
Hard coal	7 965	8 130	6 809	7 173	7 491	7 458	-0.4%
Lignite and peat	-	-	-	-	-	-	-
Renewables	1 027	1 076	1 160	1 220	1 302	1 413	8.5%
Transformation output							
Total	93 197	94 224	89 792	94 049	95 615	93 029	-2.7%
<i>among which:</i> Electricity	7 403	7 770	7 390	7 622	7 980	8 164	2.3%
Heat	2 073	2 333	2 518	2 631	2 606	2 560	-1.8%

Final energy consumption

Total	49 103	49 307	48 470	49 745	50 775	50 641	-0.3%
<i>among which:</i> Solid fuels	1 576	1 481	1 445	1 294	1 342	1 366	1.8%
Petroleum products	15 845	16 074	16 026	16 469	16 506	16 906	2.4%
Natural Gas	21 435	21 030	19 994	20 600	21 116	20 551	-2.7%
Renewables	296	308	316	309	217	229	5.4%
Electricity	7 697	7 975	8 145	8 421	8 549	8 576	0.3%

Final energy consumption by sector
Industry

Total	13 186	13 151	12 798	13 754	13 773	13 686	-0.6%
<i>among which:</i> Solid fuels	1 537	1 449	1 406	1 266	1 310	1 333	1.7%
Petroleum Products	1 055	1 194	836	1 603	1 602	1 635	2.0%
Natural Gas	5 879	5 790	5 713	5 743	5 358	5 369	0.2%
Renewables	60	71	73	69	69	74	8.3%
Electricity	3 326	3 386	3 439	3 491	3 494	3 531	1.1%


Transport

Total	13 489	13 608	13 767	13 820	14 233	14 578	2.4%
<i>among which:</i> Motor spirit	4 356	4 321	4 355	4 242	4 334	4 387	1.2%
Diesel oil	5 191	5 089	5 175	5 472	5 942	6 127	3.1%
Jet fuel	2 997	3 261	3 388	3 343	3 250	3 393	4.4%
Electricity	135	140	141	140	136	134	-1.3%


Services&households

Total	22 428	22 548	21 906	22 172	22 769	22 377	-1.7%
<i>among which:</i> Solid fuels	39	32	39	28	31	33	4.4%
Gas oil	1 241	1 186	1 384	1 031	614	646	5.1%
Natural Gas	15 556	15 241	14 281	14 857	15 758	15 182	-3.7%
Renewables	236	237	242	240	149	155	4.1%
Electricity	4 236	4 448	4 565	4 790	4 920	4 911	-0.2%
Heat	921	1 171	1 207	1 062	1 096	1 257	14.7%


3.1 Electricity balance

 eurostat	NEDERLAND							
	in GWh		1997	1998	1999	2000	2001	2002
Generation								
Total gross generation		86 659	90 898	86 396	89 615	93 747	95 965	2.4%
<i>among which:</i>								
Hydro		94	106	90	142	117	108	-7.7%
Wind		475	640	645	829	825	910	10.3%
Geothermal		-	-	-	-	-	-	-
Nuclear		2 408	3 814	3 832	3 926	3 976	3 915	-1.5%
Conventional thermal		83 682	86 338	81 829	84 718	88 829	91 032	2.5%
<i>of which:</i>								
Hard coal		22 983	24 169	19 000	22 600	23 720	23 936	0.9%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		3 619	3 528	6 565	3 131	3 112	2 819	-9.4%
Natural gas		50 543	51 981	49 552	51 713	55 263	57 028	3.2%
Derived gases		2 982	3 105	3 108	2 848	3 021	2 920	-3.3%
Biomass		2 909	3 132	2 821	3 251	3 458	3 002	-13.2%
Industrial wastes		646	423	783	1 175	255	1 327	420.4%
Total net generation		83 103	87 394	82 895	85 951	89 888	91 881	2.2%
Imports and exports								
Total imports		13 107	12 234	22 408	22 946	21 492	20 870	-2.9%
Total exports		475	420	3 968	4 031	4 209	4 488	6.6%
Consumption and losses								
Consumption of the energy branch		6 041	6 314	6 438	6 503	7 402	8 383	13.3%
<i>of which:</i>								
Consumption for pumped-storage		-	-	-	-	-	-	-
Network losses		3 735	3 871	3 960	4 089	4 200	4 228	0.7%
Final energy consumption		89 515	92 744	94 722	97 938	99 428	99 736	0.3%
<i>of which:</i>								
Industry		38 684	39 378	39 993	40 600	40 637	41 066	1.1%
<i>among which:</i>								
Iron&steel industry		2 329	2 296	2 263	2 624	2 626	2 573	-2.0%
Non-ferrous metals		4 919	5 468	5 693	5 949	5 802	5 769	-0.6%
Chemical industry		12 175	12 262	11 857	11 995	11 567	11 893	2.8%
Non-met. mineral prod.		1 568	1 507	1 552	1 690	1 619	1 544	-4.6%
Food, drink, tobacco		6 294	6 448	6 343	6 387	6 819	6 680	-2.0%
Pulp, paper and print		3 556	3 580	3 671	3 804	3 623	3 752	3.6%
Engineering & metal		4 242	4 269	4 916	4 504	4 625	4 792	3.6%
Other industries		2 708	2 731	2 877	2 819	2 907	2 970	2.2%
Transport		1 571	1 630	1 639	1 630	1 577	1 556	-1.3%
Services & households etc.		49 260	51 736	53 090	55 708	57 214	57 114	-0.2%
<i>among which:</i>								
Households		20 400	20 800	21 350	21 800	22 100	22 800	3.2%

3.2 Electrical capacity, fuel inputs and heat


		NEDERLAND						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	20 091	20 158	20 619	20 999	20 311	20 800	2.4%
<i>by source:</i>								
Conventional thermal		19 272	19 311	19 724	20 070	19 344	19 635	1.5%
<i>of which:</i>								
Steam		10 776	10 062	10 081	10 945	9 421	10 374	10.1%
Gas turbine		800	800	800	1 334	1 298	1 070	-17.6%
Combined cycle		4 898	5 000	5 393	6 266	7 229	6 496	-10.1%
Internal combustion		650	700	700	1 525	1 396	1 695	21.4%
Nuclear		449	449	449	449	449	449	0.0%
Hydro		37	37	37	38	38	38	0.0%
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		333	361	409	442	480	678	41.3%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		17 921	17 387	17 840	18 214	17 881	18 277	2.2%
Autoproducers		2 220	2 823	2 835	2 844	2 451	2 609	6.4%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	18 031	18 593	18 729	18 233	19 371p	19 708p	1.7%
<i>among which:</i>								
Hard coal		5 158	5 425	4 590	5 114	5 368	5 417	0.9%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		735	709	1 470	618	653	574	-12.1%
Natural gas		10 219	10 445	10 566	10 441	11 164	11 441	2.5%
Renewables		1 027	1 076	1 160	1 220	1 302	1 413	8.5%
Heating plants		-	-	-	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	2 073	2 333	2 518	2 631	2 606	2 560	-1.8%
<i>among which: in heating plants</i>		5	6	7	8	10	12	25.0%
Heat consumption		1 757	1 983	2 140	2 236	2 606	2 560	-1.8%
<i>of which: in industry</i>		836	812	933	1 174	1 510	1 303	-13.7%
<i>in households and services</i>		921	1 171	1 207	1 062	1 096	1 257	14.7%
<i>among which: in households</i>		176	197	203	150	164	158	-3.6%

4.1 Crude oil and feedstocks


 eurostat		NEDERLAND						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		2 930	2 661	2 535	2 350	2 263	3 074	35.8%
Total imports		60 641	62 053	59 251	60 553	60 810	55 236	-9.2%
Total exports		521	342	307	184	355	893	151.5%
Stock changes		342	153	-187	-931	-584	98	-116.8%
Refinery intake		80 040	81 010	77 173	81 294	82 598	79 828	-3.4%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		34 807	37 410	33 685	30 856	28 982	21 468	-25.9%
Near and Middle East		22 118	32 619	28 906	25 085	22 670	18 500	-18.4%
Africa		5 731	4 910	4 265	5 608	6 851	4 781	-30.2%
<i>by country of origin:</i>								
Algeria		3 801	4 351	4 035	4 780	4 666	3 886	-16.7%
Nigeria		1 873	384	158	455	1 387	346	-75.1%
Saudi Arabia		16 024	14 967	11 560	12 265	10 539	7 567	-28.2%
Kuwait		6 561	7 603	4 979	6 177	6 031	4 468	-25.9%
United Arab Emirates		76	-	-	141	-	-	-
Norway		12 618	11 755	10 633	11 340	10 782	8 035	-25.5%
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	59 400	61 780	61 780	59 600	:	:	
<i>among which:</i>								
Cracking and others		20 900	21 950	21 950	24 520	:	:	
Reforming		5 100	6 270	6 270	7 370	:	:	

4.2 Petroleum products


eurostat	NEDERLAND							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output		79 401	80 066	76 263	80 235	81 306	78 714	-3.2%
<i>among which:</i>								
Motor spirit		14 176	14 976	13 251	14 314	14 476	15 810	9.2%
Kerosene and jet fuel		6 158	6 529	7 162	7 487	7 068	6 658	-5.8%
Naphtha		11 265	9 646	9 122	11 303	12 116	8 655	-28.6%
Gas/diesel oil		21 201	21 251	21 682	21 994	22 167	19 583	-11.7%
Residual fuel oil		13 245	14 448	11 145	11 215	10 780	12 704	17.8%
Total imports		36 499	34 995	37 364	44 675	46 864	51 208	9.3%
Total exports		60 333	60 433	59 693	63 442	65 714	65 432	-0.4%
Bunkers		12 536	12 638	13 063	13 788	15 140	14 958	-1.2%
Stock changes		-379	-6	1 546	-1 354	602	540	-10.3%
Gross inland consumption		-36 653	-38 008	-33 800	-33 859	-33 388	-28 592	-14.4%
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands		-	-	-	-	-	-	-
United Kingdom		4 458	3 929	4 101	5 203	4 527	5 011	10.7%
Norway		1 329	1 105	873	874	539	1 329	146.6%
OPEC		3 557	3 112	3 064	2 534	1 794	2 227	24.1%
Imports by product								
<i>among which:</i>								
Motor spirit		3 650	5 443	5 394	7 516	6 176	7 270	17.7%
Kerosene and jet fuel		1 144	1 005	1 364	1 297	1 565	1 196	-23.6%
Gas/diesel oil		9 009	8 559	7 332	8 007	9 239	12 508	35.4%
Residual fuel oil		7 924	7 026	9 456	13 059	14 695	15 565	5.9%
Exports by product								
<i>among which:</i>								
Motor spirit		9 316	10 634	11 283	12 746	11 451	12 327	7.6%
Kerosene and jet fuel		3 674	3 701	4 435	4 440	4 175	3 424	-18.0%
Gas/diesel oil		21 228	20 898	19 831	19 418	22 097	21 626	-2.1%
Residual fuel oil		9 166	9 688	7 995	10 210	10 894	12 115	11.2%
Consumption								
Inputs to electricity plants		777	739	1 370	616	647	574	-11.3%
Inputs to heating plants		-	-	-	-	-	-	-
Non-energy use		6 281	6 033	6 646	7 369	7 590	7 648	0.8%
Final energy consumption		15 279	15 489	15 496	15 841	15 893	16 255	2.3%
Industry								
<i>among which by product:</i>								
Gas/diesel oil		202	207	224	219	168	164	-2.4%
Residual fuel oil		53	56	44	39	44	6	-86.4%

 eurostat	NEDERLAND							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry		5	5	3	4	4	3	-25.0%
Non-ferrous metals		-	-	-	7	-	-	-
Chemical industry		674	782	471	1 137	1 207	1 191	-1.3%
Non-met. mineral prod.		52	53	42	33	30	8	-73.3%
Food, drink, tobacco		25	25	35	21	20	7	-65.0%
Pulp, paper and print		3	2	1	1	2	1	-50.0%
Engineering & metal		41	59	18	22	21	65	209.5%
Other industries		130	137	144	148	121	114	-5.8%
Transport		12 938	13 049	13 209	13 274	13 690	14 031	2.5%
<i>among which:</i>								
Motor spirit		4 145	4 112	4 144	4 036	4 124	4 174	1.2%
Jet fuel		2 918	3 175	3 299	3 255	3 164	3 304	4.4%
Diesel oil		5 138	5 037	5 122	5 416	5 881	6 064	3.1%
Services & households etc.		1 414	1 390	1 542	1 165	791	809	2.3%
<i>among which:</i>								
Gas oil		1 228	1 174	1 370	1 020	608	639	5.1%
Residual fuel oil		8	20	23	2	27	-	
Stocks at end of period								
Crude oil and feedstocks		4 091	3 938	4 125	5 056	5 640	5 542	-1.7%
Petroleum products		8 340	8 346	6 800	8 154	7 552	7 012	-7.2%


5. Natural gas

 eurostat	NEDERLAND							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		2 818 715	2 680 135	2 517 547	2 414 593	2 591 786	2 524 867	-2.6%
Total imports		240 674	240 252	360 586	580 346	712 810	892 010	25.1%
Total exports		1 415 150	1 295 709	1 269 699	1 380 051	1 651 219	1 750 281	6.0%
Stock changes		-541	1 007	270	-150	276	774	180.4%
Gross inland consumption		1 643 698	1 625 685	1 608 704	1 614 738	1 653 653	1 667 370	0.8%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		-	-	-	-	-	-	-
Algeria		-	-	-	-	-	-	-
Norway		218 117	208 923	221 184	253 118	258 626	335 294	29.6%
Consumption								
Inputs to electricity plants		475 369	485 898	491 520	485 721	519 356	532 244	2.5%
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		65 763	69 806	69 210	67 330	64 319	72 841	13.2%
Distribution losses		-	-	-	-	-	-	-
Non-energy use		124 978	118 869	117 864	116 589	102 872	106 249	3.3%
Industry		273 507	269 328	265 747	267 167	249 231	249 768	0.2%
<i>among which:</i>								
Iron&steel industry		14 418	14 347	14 668	14 740	14 833	14 662	-1.2%
Non-ferrous metals		4 479	4 211	3 940	4 195	3 878	4 136	6.7%
Chemical industry		108 101	105 380	95 989	99 518	89 304	88 750	-0.6%
Non-met. mineral prod.		29 388	27 579	27 834	28 657	28 066	24 901	-11.3%
Food, drink, tobacco		57 619	58 457	62 158	57 768	53 732	56 739	5.6%
Pulp, paper and print		18 143	16 967	17 023	17 652	15 828	16 936	7.0%
Engineering & metal		24 635	24 875	25 464	24 205	24 560	24 067	-2.0%
Other industries		8 809	9 274	9 463	10 850	10 541	10 331	-2.0%
Transport		-	-	-	-	-	-	-
Services & households etc.		723 642	709 006	664 363	691 151	733 066	706 268	-3.7%
<i>among which:</i>								
Households		393 904	374 560	371 044	370 692	385 112	364 010	-5.5%
Services		171 473	175 446	138 219	172 961	200 801	195 675	-2.6%

6.1 Hard coal


 eurostat	NEDERLAND							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	20 289	22 198	19 002	22 295	30 336	21 677	-28.5%	
Total exports	3 495	7 985	7 240	9 122	16 745	8 568	-48.8%	
Stock changes	-2 001	774	327	-245	-131	305	332.8%	
Gross inland consumption	14 793	14 987	12 089	12 928	13 460	13 414	-0.3%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	4 567	3 279	2 734	2 862	2 580	2 350	-8.9%	
Poland	1 173	2 414	1 607	1 565	957	321	-66.5%	
CIS	264	246	345	174	953	590	-38.1%	
Australia	1 812	2 920	2 781	3 013	2 486	2 833	14.0%	
South Africa	4 167	5 524	4 789	5 269	10 466	7 396	-29.3%	
Colombia	4 146	3 708	3 433	4 805	5 810	3 026	-47.9%	
Consumption								
Inputs to electricity plants	8 799	9 317	7 884	8 590	9 156	9 110	-0.5%	
Inputs to heat plants	-	-	-	-	-	-	-	
Consumption of energy branch	-	-	-	-	-	-	-	
Industry								
<i>among which:</i>								
Iron&steel industry	1 215	1 207	1 172	1 052	1 212	1 247	2.9%	
Non-ferrous metals	-	-	-	-	-	-	-	
Chemical industry	38	34	46	54	-	-	-	
Non-met. mineral prod.	41	19	38	16	13	1	-92.3%	
Food, drink, tobacco	40	37	31	36	36	39	8.3%	
Pulp, paper and print	-	-	-	-	-	-	-	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	-	-	-	-	-	-	-	
Services & households etc.	43	31	50	31	35	32	-8.6%	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

		NEDERLAND						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		2 905	2 837	2 327	2 127	2 214	2 127	-3.9%
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		26 383	24 098	19 766	18 875	19 268	17 983	-6.7%
Blast-furnace gas		36 449	36 955	36 011	33 970	37 015	37 146	0.4%
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		868	794	730	691	638	652	2.2%
<i>among which:</i>								
Iron & steel industry		797	726	661	621	571	583	2.1%
Services & households		-	-	-	-	-	-	-
Patent Fuel		2	2	-	-	-	-	-
<i>among which:</i>								
Services & households		2	2	-	-	-	-	-
Lignite and peat		41	19	35	44	57	52	-8.8%
<i>among which:</i>								
Industry		27	2	16	26	35	29	-17.1%
Services & households		14	17	19	18	22	23	4.5%
Brown coal briquettes		1	1	1	1	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		1	1	1	1	-	-	-
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		10 632	9 366	7 901	7 356	7 260	7 156	-1.4%
Blast-furnace gas		11 025	10 409	9 535	10 438	11 488	12 026	4.7%
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		27 969	29 129	29 167	26 722	28 579	27 639	-3.3%
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		11 100	11 054	9 104	8 329	8 956	8 308	-7.2%
Consumption in industry		21 657	19 775	17 436	17 794	18 748	19 182	2.3%


7. Renewable energy sources

eurostat		NEDERLAND						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	1 378	1 454	1 547	1 622	1 610	1 744	8.3%
Hydro (excl. pumping)		8	9	8	12	10	9	-7.7%
Wind		41	55	55	71	71	78	10.3%
Solar		5	6	7	9	10	14	38.4%
Geothermal		-	-	-	-	-	-	-
Biomass		1 324	1 383	1 476	1 529	1 519	1 642	8.1%
	<i>among which:</i>							
Wood, wood-waste		254	267	267	300	321	448	39.4%
Municipal solid waste		943	994	1 090	1 097	1 060	1 061	0.0%
Biogas		126	122	119	132	138	133	-3.0%
Gross inland consumption		1 378	1 454	1 547	1 622	1 610	1 744	8.3%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		1 027	1 076	1 160	1 220	1 302	1 413	8.5%
	<i>among which:</i>							
Wood, wood-waste		-	-	-	45	141	271	91.9%
Municipal waste		943	994	1 090	1 097	1 060	1 061	0.0%
Biogas		84	81	70	78	100	81	-19.1%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	302	314	323	317	227	241	6.2%
	<i>by sector:</i>							
Industry		60	71	73	69	69	74	8.3%
Services & households etc.		241	243	249	249	158	167	5.3%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		296	308	316	309	217	229	5.4%
	<i>among which:</i>							
Wood, wood-waste		254	267	267	255	180	177	-1.8%
Municipal waste		-	-	-	-	-	-	-
Biogas		42	41	49	54	37	52	40.0%
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		2	3	6	8	14	18	28.6%
Hydro with installed capacity < 1 MW		1	1	1	1	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-	-
Hydro with installed capacity > 10 MW		91	105	90	142	117	108	-7.7%
Wood, Wood-waste		-	-	-	378	670	1 260	88.1%
Municipal waste		2 621	2 860	2 535	2 574	2 487	2 521	1.4%
Biogas		288	272	286	299	301	303	0.7%

	NEDERLAND						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	4	6	10	13	21	26	23.8%
Hydro with installed capacity < 1 MW	2	2	2	2	-	-	-
Hydro with installed capacity > 1 & <10 MW	-	-	-	-	-	-	-
Hydro with installed capacity > 10 MW	35	35	35	36	38	38	0.0%
Wood, Wood-waste	-	-	-	-	-	-	-
Municipal waste	395	395	395	424	414	414	0.0%
Biogas	-	-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	197	231	258	406	358	406	13.4%


1. Energy economy

Key figures and energy indicators

		ÖSTERREICH					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	8 502	8 629	9 255	9 380	10 165	10 386
Net energy imports		18 790	20 158	18 894	18 814	19 646	20 275
Net oil imports		10 657	11 969	11 047	10 680	11 343	12 201
Net gas imports		5 129	5 280	5 190	5 253	5 008	4 724
Gross inland energy consumption		28 296	28 699	28 581	28 433	31 179	30 733
Final energy consumption		21 581	22 251	21 864	22 287	24 590	23 940
Industry		6 359	6 455	6 074	6 496	7 090	6 377
Transport		5 778	6 314	6 205	6 523	6 742	7 228
Services and households etc.		9 445	9 482	9 584	9 268	10 757	10 335
Gross electricity generation	GWh	56 873	57 462	60 514	61 821	62 430	62 477
Final electricity consumption		48 102	48 896	50 499	51 796	53 897	53 921
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	186 363	193 671	198 821	205 621	207 165	209 993
Population	1000 per.	7 968	7 977	7 992	8 012	8 030	8 053
Industry added value	Mio EUR	55 417	57 836	59 400	61 975	62 315	62 782
Total imports (current prices)	Mio EUR	79 517	84 055	91 639	102 255	108 256	109 564
among which:							
All energy commodities		3 019	2 551	2 883	4 901	5 504	5 742
Oil products		1 913	1 520	1 951	3 398	3 279	3 264
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	151.8	148.2	143.8	138.3	150.5	146.4
Final energy consumption / GDP(95)		115.8	114.9	110.0	108.4	118.7	114.0
Energy intensity of industry:							
Final consumption / gross value-added mp		114.7	111.6	102.3	104.8	113.8	101.6
Energy intensity of service sector:							
Final consumption / gross value-added mp		19.4	19.2	18.5	16.7	19.5	17.2
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 551	3 598	3 576	3 549	3 883	3 816
Final energy consumption / capita		2 709	2 789	2 736	2 782	3 062	2 973
Household consumption / capita		821	816	831	808	895	875
Electricity consumption / capita	kWh/cap.	2 358	2 324	2 107	2 108	2 570	2 604
Energy dependency							
Net energy imports / Gross consumption	in %	66.4	70.2	66.1	66.2	63.0	66.0
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	76.3	77.5	76.5	78.4	78.9	77.9
Efficiency of thermal power stations		51.9	55.9	53.2	57.3	62.0	53.6

2. Energy balance

Principal aggregates by product

 eurostat	ÖSTERREICH						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	8 502	8 629	9 255	9 380	10 165	10 386	2.2%
among which:							
Hard coal	-	-	-	-	-	-	-
Lignite and peat	265	267	266	293	283	331	17.1%
Crude oil	1 010	1 029	1 043	1 055	991	1 020	2.9%
Natural Gas	1 215	1 335	1 478	1 533	1 471	1 597	8.6%
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	3 104	3 196	3 482	3 598	3 455	3 433	-0.6%
Biomass	2 853	2 739	2 910	2 819	3 870	3 901	0.8%
Imports							
Total	21 235	22 785	21 810	21 717	23 030	23 804	3.4%
among which:							
Hard coal	2 489	2 460	2 371	2 326	2 538	2 718	7.1%
Crude oil and feedstocks	9 011	9 026	8 309	7 840	8 353	8 562	2.5%
Petroleum products	3 121	4 529	4 344	4 262	4 604	5 080	10.3%
Natural Gas	5 129	5 297	5 190	5 268	5 356	5 376	0.4%
Electricity	774	886	998	1 189	1 244	1 322	6.3%
Exports							
Total	2 445	2 626	2 916	2 903	3 383	3 529	4.3%
among which:							
Crude oil and feedstocks	25	43	65	137	104	5	-95.1%
Petroleum products	1 451	1 543	1 541	1 284	1 510	1 436	-4.9%
Natural gas	-	16	-	15	348	652	87.4%
Electricity	840	900	1 161	1 306	1 225	1 262	3.0%
Gross inland consumption							
Total	28 296	28 699	28 581	28 433	31 179	30 733	-1.4%
among which:							
Solid fuels	3 606	3 157	3 260	3 588	3 909	3 615	-7.5%
Crude oil and petrol. prod.	12 052	12 739	12 096	11 840	12 757	12 831	0.6%
Natural gas	6 539	6 713	6 831	6 519	6 930	6 612	-4.6%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	6 000	5 968	6 418	6 451	7 366	7 422	0.8%
Transformation input							
Total	17 222	16 672	16 329	15 002	15 814	16 434	3.9%
among which:							
Crude oil and feedstocks	10 179	9 921	9 436	8 764	9 339	9 378	0.4%
Petroleum products	619	702	616	345	488	262	-46.3%
Hard coal	2 410	2 206	2 122	2 245	2 441	2 435	-0.2%
Lignite and peat	281	177	328	290	354	328	-7.4%
Renewables	661	590	683	627	669	784	17.3%
Transformation output							
Total	14 589	14 225	13 820	12 917	13 834	13 785	-0.4%
among which:							
Electricity	1 682	1 608	1 611	1 570	1 756	1 743	-0.7%
Heat	1 086	1 137	1 167	1 070	1 257	1 228	-2.3%

Final energy consumption

Total	21 581	22 251	21 864	22 287	24 590	23 940	-2.6%
<i>among which:</i> Solid fuels	899	808	732	756	805	622	-22.8%
Petroleum products	9 289	9 923	9 466	9 584	10 237	10 696	4.5%
Natural Gas	3 616	3 629	3 598	3 835	3 821	3 191	-16.5%
Renewables	2 180	2 120	2 178	2 143	3 147	3 101	-1.5%
Electricity	4 136	4 204	4 342	4 454	4 634	4 636	0.0%

Final energy consumption by sector
Industry

Total	6 359	6 455	6 074	6 496	7 090	6 377	-10.1%
<i>among which:</i> Solid fuels	537	493	436	499	533	399	-25.2%
Petroleum Products	1 197	1 264	942	1 009	1 418	1 544	8.9%
Natural Gas	1 910	1 899	1 819	2 000	1 883	1 402	-25.5%
Renewables	500	484	518	579	646	691	7.0%
Electricity	1 784	1 828	1 932	1 948	1 806	1 772	-1.9%


Transport

Total	5 778	6 314	6 205	6 523	6 742	7 228	7.2%
<i>among which:</i> Motor spirit	2 168	2 203	2 150	2 079	1 952	2 097	7.4%
Diesel oil	2 779	3 268	3 230	3 564	3 542	3 953	11.6%
Jet fuel	531	554	542	586	570	534	-6.3%
Electricity	274	278	271	280	289	289	0.0%


Services&households

Total	9 445	9 482	9 584	9 268	10 757	10 335	-3.9%
<i>among which:</i> Solid fuels	361	315	295	256	271	223	-17.9%
Gas oil	2 271	2 266	2 228	1 978	2 365	2 179	-7.9%
Natural Gas	1 690	1 729	1 780	1 835	1 938	1 789	-7.7%
Renewables	1 675	1 629	1 653	1 556	2 127	2 070	-2.7%
Electricity	2 078	2 098	2 139	2 225	2 540	2 576	1.4%
Heat	967	1 008	1 044	969	1 047	1 037	-0.9%


3.1 Electricity balance

 eurostat	ÖSTERREICH							
	in GWh		1997	1998	1999	2000	2001	2002
Generation								
Total gross generation		56 873	57 462	60 514	61 821	62 430	62 477	0.1%
<i>among which:</i>								
Hydro		37 293	38 716	41 727	43 498	41 837	42 004	0.4%
Wind		20	45	51	67	172	203	18.0%
Geothermal		-	-	-	-	-	-	-
Nuclear		-	-	-	-	-	-	-
Conventional thermal		19 560	18 701	18 736	18 256	20 421	20 270	-0.7%
<i>of which:</i>								
Hard coal		6 281	3 306	2 893	4 432	5 356	5 152	-3.8%
Lignite and peat		1 250	825	1 496	1 293	1 623	1 461	-10.0%
Petroleum products		2 392	2 785	2 419	1 643	2 230	1 600	-28.3%
Natural gas		6 851	9 084	8 857	8 062	8 232	9 369	13.8%
Derived gases		1 026	1 009	1 100	1 038	970	806	-16.9%
Biomass		1 565	1 700	1 594	1 618	1 823	1 568	-14.0%
Industrial wastes		195	-8	377	170	187	314	67.9%
Total net generation		55 287	56 022	59 022	59 985	60 809	61 052	0.4%
Imports and exports								
Total imports		9 007	10 304	11 608	13 824	14 467	15 375	6.3%
Total exports		9 775	10 467	13 507	15 192	14 252	14 676	3.0%
Consumption and losses								
Consumption of the energy branch		3 630	3 511	3 561	3 743	4 042	4 026	-0.4%
<i>of which:</i>								
Consumption for pumped-storage		233	275	251	258	344	432	25.6%
Network losses		3 185	3 340	3 321	3 256	3 056	3 159	3.4%
Final energy consumption		48 102	48 896	50 499	51 796	53 897	53 921	0.0%
<i>of which:</i>								
Industry		20 753	21 264	22 470	22 657	21 004	20 607	-1.9%
<i>among which:</i>								
Iron&steel industry		3 250	3 330	3 519	3 548	2 937	2 882	-1.9%
Non-ferrous metals		615	630	666	672	638	626	-1.9%
Chemical industry		2 950	3 023	3 194	3 221	3 225	3 164	-1.9%
Non-met. mineral prod.		1 355	1 388	1 467	1 479	1 485	1 457	-1.9%
Food, drink, tobacco		1 239	1 270	1 342	1 353	1 282	1 257	-2.0%
Pulp, paper and print		4 816	4 935	5 215	5 258	4 603	4 516	-1.9%
Engineering & metal		1 168	1 198	1 266	1 276	2 985	2 929	-1.9%
Other industries		4 098	4 198	4 436	4 473	2 541	2 492	-1.9%
Transport		3 181	3 229	3 153	3 259	3 357	3 358	0.0%
Services & households etc.		24 168	24 403	24 876	25 880	29 536	29 956	1.4%
<i>among which:</i>								
Households		13 232	13 266	13 163	14 088	15 012	15 685	4.5%


3.2 Electrical capacity, fuel inputs and heat


		ÖSTERREICH						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	17 859	17 453	17 843	17 735	17 657	18 021	2.1%
<i>by source:</i>								
Conventional thermal		6 307	5 982	6 160	6 134	6 038	6 178	2.3%
<i>of which:</i>								
Steam		4 870	4 633	4 824	4 790	4 694	4 834	3.0%
Gas turbine		313	256	256	256	257	257	0.0%
Combined cycle		993	979	968	968	980	980	0.0%
Internal combustion		131	114	112	120	107	107	0.0%
Nuclear		-	-	-	-	-	-	-
Hydro		11 533	11 444	11 648	11 547	11 550	11 702	1.3%
<i>among which:</i>								
Pumped storage		2 975	3 937	3 568	3 568	3 568	3 568	0.0%
Wind		19	27	35	54	69	141	104.3%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		16 084	15 728	16 112	16 089	15 993	16 357	2.3%
Autoproducers		1 776	1 726	1 732	1 630	1 665	1 665	0.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	4 681	4 308	4 458	3 930	4 173	4 735	13.5%
<i>among which:</i>								
Hard coal		945	698	601	941	1 124	1 117	-0.6%
Lignite and peat		280	177	328	290	354	328	-7.4%
Petroleum products		562	596	552	288	395	236	-40.2%
Natural gas		2 093	2 195	2 236	1 754	1 767	2 256	27.6%
Renewables		463	389	446	378	378	456	20.5%
Heating plants		454	490	501	539	505	558	10.6%
<i>among which:</i>								
Hard coal		-	-	-	-	4	-	-
Lignite and peat		1	-	-	-	-	-	-
Petroleum products		57	105	63	57	93	26	-72.2%
Natural gas		198	183	192	223	109	194	78.7%
Renewables		199	201	245	257	299	338	12.9%
Heat production and consumption								
Total heat production	TJ	1 086	1 137	1 167	1 070	1 257	1 228	-2.3%
<i>among which: in heating plants</i>								
		339	335	406	386	427	435	1.8%
Heat consumption		967	1 008	1 044	969	1 207	1 196	-0.9%
<i>of which: in industry</i>								
		0	0	0	0	160	159	-0.8%
<i>in households and services</i>								
		967	1 008	1 044	969	1 047	1 037	-0.9%
<i>among which: in households</i>								
		408	417	465	455	513	508	-1.0%

4.1 Crude oil and feedstocks


 in 1 000 t		ÖSTERREICH						
		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		1 027	1 047	1 063	1 072	1 012	1 040	2.8%
Total imports		9 138	9 157	8 440	7 949	8 512	8 712	2.3%
Total exports		25	44	66	137	105	5	-95.2%
Stock changes		149	-185	111	-17	79	-276	-449.4%
Refinery intake		10 318	10 071	9 583	8 891	9 516	9 548	0.3%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		6 322	5 904	5 176	4 526	4 853	4 362	-10.1%
Near and Middle East		1 395	2 521	2 363	2 373	2 621	2 872	9.6%
Africa		4 094	3 713	3 257	2 446	3 246	2 434	-25.0%
<i>by country of origin:</i>								
Algeria		1 468	888	927	739	520	260	-50.0%
Nigeria		1 385	994	695	986	1 390	1 482	6.6%
Saudi Arabia		1 214	903	515	595	641	862	34.5%
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		181	-	-	-	49	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	1 000 t/year	10 500	10 000	10 000	10 330	:	:	
<i>among which:</i>								
Cracking and others		2 200	3 360	3 360	3 020	:	:	
Reforming		1 400	1 370	1 370	1 400	:	:	

4.2 Petroleum products


 eurostat	ÖSTERREICH							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output	10 199	9 827	9 413	8 768	9 349	9 373	0.3%	
<i>among which:</i>								
Motor spirit	2 410	2 232	2 140	1 814	1 922	2 002	4.2%	
Kerosene and jet fuel	508	543	509	545	514	486	-5.4%	
Naphtha	-	-	-	-	-	-	-	
Gas/diesel oil	3 915	3 895	3 675	3 724	3 959	3 984	0.6%	
Residual fuel oil	1 540	1 347	1 308	979	1 044	1 012	-3.1%	
Total imports	3 151	4 546	4 343	4 272	4 598	5 067	10.2%	
Total exports	1 410	1 533	1 530	1 304	1 539	1 464	-4.9%	
Bunkers	-	-	-	-	-	-	-	
Stock changes	235	-76	-112	135	349	-119	-134.1%	
Gross inland consumption	1 976	2 937	2 701	3 103	3 408	3 484	2.2%	
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands	19	47	53	61	34	87	155.9%	
United Kingdom	1	1	1	1	1	1	0.0%	
Norway	-	-	-	-	-	-	-	
OPEC	-	-	-	-	-	-	-	
Imports by product								
<i>among which:</i>								
Motor spirit	547	759	762	670	603	706	17.1%	
Kerosene and jet fuel	24	28	40	43	45	46	2.2%	
Gas/diesel oil	1 516	2 474	2 491	2 608	3 059	3 462	13.2%	
Residual fuel oil	449	671	468	262	280	241	-13.9%	
Exports by product								
<i>among which:</i>								
Motor spirit	830	823	824	471	582	496	-14.8%	
Kerosene and jet fuel	3	14	6	6	2	3	50.0%	
Gas/diesel oil	271	466	459	416	418	519	24.2%	
Residual fuel oil	180	18	37	152	228	146	-36.0%	
Consumption								
Inputs to electricity plants	588	624	578	301	412	247	-40.0%	
Inputs to heating plants	59	110	66	60	97	27	-72.2%	
Non-energy use	1 461	1 351	1 350	1 337	1 427	1 390	-2.6%	
Final energy consumption	9 152	9 772	9 317	9 436	10 077	10 533	4.5%	
Industry								
<i>among which by product:</i>								
Gas/diesel oil	292	351	341	374	765	852	11.4%	
Residual fuel oil	817	745	516	564	449	425	-5.3%	

 eurostat	ÖSTERREICH						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	294	272	194	210	266	313	17.7%
Non-ferrous metals	18	16	14	15	11	12	9.1%
Chemical industry	33	30	23	23	16	14	-12.5%
Non-met. mineral prod.	178	173	147	146	80	109	36.3%
Food, drink, tobacco	65	60	43	45	37	32	-13.5%
Pulp, paper and print	104	96	66	72	47	31	-34.0%
Engineering & metal	85	140	50	49	207	212	2.4%
Other industries	381	429	371	409	679	751	10.6%
Transport	5 335	5 874	5 775	6 081	5 932	6 442	8.6%
<i>among which:</i>							
Motor spirit	2 063	2 096	2 046	1 978	1 857	1 995	7.4%
Jet fuel	517	539	528	571	555	520	-6.3%
Diesel oil	2 751	3 235	3 197	3 528	3 506	3 913	11.6%
Services & households etc.	2 591	2 611	2 578	2 325	2 722	2 535	-6.9%
<i>among which:</i>							
Gas oil	2 248	2 243	2 205	1 958	2 341	2 157	-7.9%
Residual fuel oil	264	273	275	278	299	287	-4.0%
Stocks at end of period							
Crude oil and feedstocks	1 352	1 537	1 426	1 443	1 363	1 639	20.2%
Petroleum products	1 659	1 723	1 836	1 700	1 302	1 422	9.2%


5. Natural gas

 eurostat	ÖSTERREICH							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		56 544	62 084	68 778	71 308	68 414	74 295	8.6%
Total imports		238 603	246 410	241 433	245 062	249 140	250 091	0.4%
Total exports		-	767	-	696	16 184	30 334	87.4%
Stock changes		9 059	4 585	7 553	-12 424	21 004	13 515	-35.7%
Gross inland consumption		304 206	312 312	317 764	303 250	322 374	307 567	-4.6%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		c	c	c	c	c	c	c
Algeria		-	-	-	-	-	-	-
Norway		c	c	c	c	c	c	c
Consumption								
Inputs to electricity plants		97 376	102 105	104 004	81 579	82 216	104 947	27.6%
Inputs to heat plants		9 211	8 515	8 936	10 372	5 061	9 046	78.7%
Consumption of energy branch		18 145	19 320	22 973	21 568	34 464	28 700	-16.7%
Distribution losses		253	1 954	2 742	228	11 919	5 052	-57.6%
Non-energy use		11 736	11 609	11 708	11 554	10 939	11 369	3.9%
Industry		88 855	88 360	84 602	93 044	87 597	65 218	-25.5%
<i>among which:</i>								
Iron&steel industry		15 681	15 594	14 962	14 831	16 773	12 095	-27.9%
Non-ferrous metals		2 545	2 531	2 414	2 598	2 838	2 047	-27.9%
Chemical industry		10 883	10 823	10 323	11 110	8 233	7 987	-3.0%
Non-met. mineral prod.		14 253	14 174	13 519	14 550	10 783	7 775	-27.9%
Food, drink, tobacco		10 365	10 307	9 831	14 095	14 046	10 129	-27.9%
Pulp, paper and print		18 133	18 032	17 199	18 511	18 925	13 647	-27.9%
Engineering & metal		7 191	7 151	6 820	7 341	7 079	5 105	-27.9%
Other industries		4 501	4 475	4 505	4 595	4 271	3 081	-27.9%
Transport		714	-	-	-	-	-	-
Services & households etc.		78 631	80 449	82 796	85 362	90 178	83 235	-7.7%
<i>among which:</i>								
Households		57 380	59 291	62 476	63 076	69 091	67 835	-1.8%
Services		20 631	20 517	19 644	21 604	20 340	14 667	-27.9%


6.1 Hard coal


 eurostat	ÖSTERREICH							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	3 790	3 745	3 360	3 413	3 724	4 032	8.3%	
Total exports	4	-	-	-	-	-	-	
Stock changes	291	-14	97	297	243	-142	-158.4%	
Gross inland consumption	4 077	3 731	3 457	3 710	3 967	3 890	-1.9%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	-	-	-	-	-	2	-	
Poland	1 586	1 802	1 535	1 915	2 184	2 288	4.8%	
CIS	9	1	1	-	-	-	-	
Australia	-	-	-	-	11	34	209.1%	
South Africa	-	-	-	-	-	-	-	
Colombia	-	-	-	-	-	-	-	
Consumption								
Inputs to electricity plants	1 438	1 061	913	1 414	1 673	1 709	2.2%	
Inputs to heat plants	-	-	-	-	6	-	-	
Consumption of energy branch	-	-	7	33	2	-	-	
Industry								
<i>among which:</i>								
Iron&steel industry	-	-	-	-	-	-	-	
Non-ferrous metals	-	-	-	-	-	-	-	
Chemical industry	73	70	44	54	62	44	-29.0%	
Non-met. mineral prod.	208	199	125	154	152	78	-48.7%	
Food, drink, tobacco	-	-	-	-	-	-	-	
Pulp, paper and print	118	113	71	87	81	67	-17.3%	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	-	-	-	-	-	-	-	
Services & households etc.	128	113	103	88	97	92	-5.2%	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

 eurostat	ÖSTERREICH						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	1 566	1 598	1 608	1 385	1 394	1 395	0.1%
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	1 131	1 141	1 138	1 250	1 207	1 413	17.1%
Brown coal briquettes	-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	11 605	12 166	12 220	10 466	9 776	9 742	-0.3%
Blast-furnace gas	18 528	18 608	17 313	19 491	20 275	18 634	-8.1%
Gasworks gas	-	-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	661	586	610	633	663	537	-19.0%
<i>among which:</i>							
Iron & steel industry	339	297	332	379	396	349	-11.9%
Services & households	281	254	237	206	233	178	-23.6%
Patent Fuel	7	4	4	4	1	1	0.0%
<i>among which:</i>							
Services & households	7	4	4	4	1	1	0.0%
Lignite and peat	112	104	152	72	167	175	4.8%
<i>among which:</i>							
Industry	46	45	94	27	121	130	7.4%
Services & households	66	59	58	45	46	45	-2.2%
Brown coal briquettes	132	103	106	95	79	65	-17.7%
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	132	103	106	95	79	65	-17.7%
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	5 737	5 801	5 264	3 556	4 916	3 551	-27.8%
Blast-furnace gas	10 083	12 241	9 937	12 474	17 040	11 453	-32.8%
Gasworks gas	-	-	-	-	-	-	-
Inputs to electricity plants	10 812	8 731	10 709	10 005	4 209	9 550	126.9%
Inputs to heat plants	-	-	-	50	-	-	-
Consumption of energy branch	3 501	4 002	3 623	3 872	3 886	3 822	-1.6%
Consumption in industry	15 820	18 042	15 201	16 030	21 956	15 004	-31.7%

7. Renewable energy sources

		ÖSTERREICH						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	6 012	5 998	6 467	6 500	7 420	7 438	0.2%
Hydro (excl. pumping)		3 104	3 196	3 482	3 598	3 455	3 433	-0.6%
Wind		2	4	4	6	15	17	18.0%
Solar		48	55	58	64	67	69	4.0%
Geothermal		4	5	12	14	14	17	22.8%
Biomass		2 853	2 739	2 910	2 819	3 870	3 901	0.8%
	<i>among which:</i>							
Wood, wood-waste		2 694	2 581	2 723	2 619	2 952	3 032	2.7%
Municipal solid waste		117	114	139	149	110	117	6.6%
Biogas		30	30	33	35	59	38	-36.5%
Gross inland consumption		6 000	5 968	6 418	6 451	7 366	7 422	0.8%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		1	1	8	9	9	9	2.9%
Biomass		661	590	683	627	669	784	17.3%
	<i>among which:</i>							
Wood, wood-waste		514	446	512	444	503	636	26.5%
Municipal waste		117	114	139	149	110	117	6.6%
Biogas		30	30	33	34	56	31	-44.7%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	2 232	2 178	2 240	2 211	3 218	3 178	-1.3%
	<i>by sector:</i>							
Industry		500	484	518	579	646	691	7.0%
Services & households etc.		1 726	1 688	1 715	1 624	2 199	2 147	-2.4%
Transport		6	6	6	8	374	340	-9.1%
	<i>by source:</i>							
Biomass		2 180	2 120	2 178	2 143	3 147	3 101	-1.5%
	<i>among which:</i>							
Wood, wood-waste		2 168	2 107	2 163	2 126	2 396	2 380	-0.7%
Municipal waste		-	-	-	-	-	-	-
Biogas		0	0	1	1	4	7	87.7%
Geothermal		3	4	4	5	5	7	62.3%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		2	2	2	3	4	4	0.0%
Hydro with installed capacity < 1 MW		1 590	1 539	1 512	1 566	1 521	1 399	-8.0%
Hydro with installed capacity > 1 & <10 MW		2 517	2 611	2 739	2 835	2 738	3 233	18.1%
Hydro with installed capacity > 10 MW		31 880	33 014	35 027	37 439	37 574	35 299	-6.1%
Wood, Wood-waste		1 589	1 563	1 517	1 482	1 552	1 401	-9.7%
Municipal waste		71	75	78	84	77	79	2.6%
Biogas		70	61	53	102	194	88	-54.6%

	ÖSTERREICH						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	2	3	4	5	1	1	0.0%
Hydro with installed capacity < 1 MW	289	287	282	282	282	111	-60.6%
Hydro with installed capacity > 1 & <10 MW	546	550	561	561	561	650	15.9%
Hydro with installed capacity > 10 MW	7 741	6 898	7 237	7 136	7 139	7 373	3.3%
Wood, Wood-waste	609	747	787	780	-	-	-
Municipal waste	14	9	12	12	-	-	-
Biogas	-	-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>						
	15	16	18	20	22	21	-4.5%
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	1 458	1 876	1 900	1 900	1 900p	1 900p	0.0%

1. Energy economy

Key figures and energy indicators

		POLSKA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	99 081	86 775	82 829	78 441	79 362	79 078
Net energy imports		7 328	9 246	9 524	10 134	9 385	10 049
Net oil imports		18 368	18 701	19 334	20 384	19 085	19 578
Net gas imports		6 583	6 454	6 223	6 607	7 178	6 681
Gross inland energy consumption		103 189	97 294	93 275	90 194	90 218	88 838
Final energy consumption		65 277	60 377	58 843	55 573	56 196	54 447
Industry		23 911	21 111	18 450	18 886	17 358	16 600
Transport		9 637	9 509	10 673	9 185	9 161	8 982
Services and households etc.		31 729	29 758	29 720	27 503	29 677	28 866
Gross electricity generation	GWh	142 790	142 789	142 128	145 183	145 615	144 125
Final electricity consumption		94 634	94 848	92 084	96 727	96 856	95 787
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	117 668	123 327	128 383	133 455	134 812	136 719
Population	1000 per.	38 650	38 664	38 660	38 649	38 638	38 426
Industry added value	Mio EUR	39 289	41 276	42 438	44 665	43 882	43 160
Total imports (current prices)	Mio EUR	34 770	41 219	41 624	48 104	45 530	46 711
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	877.0	788.9	726.5	675.8	669.2	649.8
Final energy consumption / GDP(95)		554.8	489.6	458.3	416.4	416.8	398.2
Energy intensity of industry:							
Final consumption / gross value-added mp		608.6	511.4	434.8	422.8	395.6	384.6
Energy intensity of service sector:							
Final consumption / gross value-added mp		79.2	78.9	71.3	74.3	81.2	87.2
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 670	2 516	2 413	2 334	2 335	2 312
Final energy consumption / capita		1 689	1 562	1 522	1 438	1 454	1 417
Household consumption / capita		571	512	513	453	497	471
Electricity consumption / capita	kWh/cap.	3 539	3 491	3 438	3 485	3 485	3 464
Energy dependency							
Net energy imports / Gross consumption	in %	7.1	9.5	10.2	11.2	10.4	11.3
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	63.3	62.1	63.1	61.6	62.3	61.3
Efficiency of thermal power stations		46.3	46.8	47.0	46.8	47.3	47.6

2. Energy balance

Principal aggregates by product

in 1 000 toe	POLSKA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	99 081	86 775	82 829	78 441	79 362	79 078	-0.4%
<i>among which:</i> Hard coal	78 724	66 379	63 079	58 539	58 823	58 491	-0.6%
Lignite and peat	12 990	12 904	12 455	12 122	12 204	12 124	-0.7%
Crude oil	289	361	436	657	772	728	-5.7%
Natural Gas	3 204	3 249	3 102	3 313	3 492	3 569	2.2%
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	169	199	185	181	200	196	-2.0%
Biomass	3 704	3 684	3 572	3 626	3 867	3 958	2.4%
Imports							
Total	29 186	30 053	29 297	30 261	30 620	31 249	2.1%
<i>among which:</i> Hard coal	2 248	2 891	1 609	1 008	1 243	1 755	41.2%
Crude oil and feedstocks	15 143	15 789	17 097	18 956	18 029	18 088	0.3%
Petroleum products	4 679	4 472	4 023	3 362	3 746	4 282	14.3%
Natural Gas	6 615	6 487	6 256	6 641	7 212	6 715	-6.9%
Electricity	461	396	300	283	370	384	3.8%
Exports							
Total	21 858	20 808	19 774	20 126	21 236	21 199	-0.2%
<i>among which:</i> Crude oil and feedstocks	-	-	-	130	443	497	12.3%
Petroleum products	1 455	1 561	1 787	1 804	2 248	2 295	2.1%
Natural gas	32	33	33	34	34	35	2.0%
Electricity	648	695	725	831	949	992	4.5%
Gross inland consumption							
Total	103 189	97 294	93 275	90 194	90 218	88 838	-1.5%
<i>among which:</i> Solid fuels	71 119	64 770	60 741	56 358	55 822	54 797	-1.8%
Crude oil and petrol. prod.	18 461	18 974	19 530	20 174	20 058	19 891	-0.8%
Natural gas	9 417	9 514	9 263	9 960	10 377	10 113	-2.5%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	3 866	3 916	3 753	3 804	4 071	4 167	2.4%
Transformation input							
Total	70 576	68 643	67 793	69 850	69 774	67 661	-3.0%
<i>among which:</i> Crude oil and feedstocks	16 131	17 159	18 343	19 949	19 581	18 782	-4.1%
Petroleum products	698	467	434	374	397	369	-7.2%
Hard coal	39 071	36 405	34 768	35 280	35 472	34 288	-3.3%
Lignite and peat	12 704	12 809	12 468	12 071	12 107	11 807	-2.5%
Renewables	79	89	89	93	130	155	19.4%
Transformation output							
Total	47 750	46 979	46 519	47 571	48 038	46 266	-3.7%
<i>among which:</i> Electricity	11 949	11 905	11 852	12 129	12 157	12 052	-0.9%
Heat	10 102	9 352	8 873	8 137	8 843	8 394	-5.1%

		POLSKA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>								
Final energy consumption								
Total		65 277	60 377	58 843	55 573	56 196	54 447	-3.1%
<i>among which:</i>	Solid fuels	21 864	17 249	16 231	13 728	13 250	12 334	-6.9%
	Petroleum products	14 466	15 167	16 282	15 436	15 424	15 080	-2.2%
	Natural Gas	6 543	6 462	5 997	6 118	6 499	6 653	2.4%
	Renewables	3 617	3 624	3 477	3 525	3 736	3 803	1.8%
	Electricity	8 137	8 155	7 918	8 317	8 328	8 236	-1.1%
Final energy consumption by sector								
Industry								
Total		23 911	21 111	18 450	18 886	17 358	16 600	-4.4%
<i>among which:</i>	Solid fuels	11 487	9 349	7 879	7 614	6 564	6 005	-8.5%
	Petroleum Products	1 653	2 000	1 878	1 892	1 762	1 761	-0.1%
	Natural Gas	2 367	2 249	2 052	2 269	2 255	2 267	0.5%
	Renewables	592	594	579	627	627	700	11.7%
	Electricity	4 199	3 761	3 389	3 478	3 355	3 283	-2.1%
Transport								
Total		9 637	9 509	10 673	9 185	9 161	8 982	-2.0%
<i>among which:</i>	Motor spirit	5 106	5 204	6 005	5 216	4 838	4 432	-8.4%
	Diesel oil	3 502	3 269	3 410	2 761	2 963	2 845	-4.0%
	Jet fuel	262	257	366	369	347	423	21.9%
	Electricity	393	390	380	372	369	371	0.6%
Services&households								
Total		31 729	29 758	29 720	27 503	29 677	28 866	-2.7%
<i>among which:</i>	Solid fuels	10 373	7 897	8 352	6 115	6 686	6 330	-5.3%
	Gas oil	2 831	3 242	3 354	3 941	4 025	3 935	-2.2%
	Natural Gas	4 176	4 213	3 945	3 849	4 244	4 385	3.3%
	Renewables	3 024	3 031	2 898	2 898	3 109	3 104	-0.2%
	Electricity	3 545	4 004	4 149	4 466	4 605	4 582	-0.5%
	Heat	7 028	6 557	6 261	5 436	6 158	5 748	-6.7%

3.1 Electricity balance

	POLSKA							
	<i>in GWh</i>	1997	1998	1999	2000	2001	2002	02/01
Generation								
Total gross generation		142 790	142 789	142 128	145 183	145 615	144 125	-1.0%
<i>among which:</i>								
Hydro		3 816	4 328	4 282	4 115	4 219	3 905	-7.4%
Wind		2	4	4	5	14	61	335.7%
Geothermal		-	-	-	-	-	-	-
Nuclear		-	-	-	-	-	-	-
Conventional thermal		138 972	138 457	137 842	141 063	141 382	140 159	-0.9%
<i>of which:</i>								
Hard coal		79 688	77 995	78 280	82 419	80 368	79 914	-0.6%
Lignite and peat		54 933	56 102	54 878	53 469	54 603	53 040	-2.9%
Petroleum products		1 890	1 890	1 882	1 916	2 397	2 376	-0.9%
Natural gas		238	345	687	928	1 358	2 198	61.9%
Derived gases		1 625	1 533	1 612	1 779	1 890	1 740	-7.9%
Biomass		598	592	503	221	444	550	23.9%
Industrial wastes		-	-	-	331	322	341	5.9%
Total net generation		130 309	130 278	129 498	132 214	132 665	131 374	-1.0%
Imports and exports								
Total imports		5 357	4 608	3 491	3 290	4 306	4 469	3.8%
Total exports		7 542	8 082	8 426	9 663	11 035	11 537	4.5%
Consumption and losses								
Consumption of the energy branch		27 431	27 119	28 410	25 839	25 938	25 527	-1.6%
<i>of which:</i>								
Consumption for pumped-storage		733	788	838	779	706	622	-11.9%
Network losses		16 685	15 330	14 572	14 234	14 197	14 116	-0.6%
Final energy consumption		94 634	94 848	92 084	96 727	96 856	95 787	-1.1%
<i>of which:</i>								
Industry		48 832	43 737	39 416	40 453	39 013	38 181	-2.1%
<i>among which:</i>								
Iron&steel industry		8 949	7 454	6 745	7 187	6 261	5 446	-13.0%
Non-ferrous metals		3 226	3 622	3 690	3 652	3 654	3 523	-3.6%
Chemical industry		9 203	8 589	8 069	8 502	8 344	8 057	-3.4%
Non-met. mineral prod.		3 740	3 493	3 286	3 290	3 115	3 047	-2.2%
Food, drink, tobacco		5 130	4 404	3 704	3 755	3 737	3 980	6.5%
Pulp, paper and print		2 681	2 624	2 644	2 672	2 704	2 773	2.6%
Engineering & metal		6 347	5 910	4 989	4 961	4 761	4 705	-1.2%
Other industries		4 964	4 146	3 585	3 722	3 951	4 190	6.0%
Transport		4 574	4 540	4 417	4 329	4 287	4 313	0.6%
Services & households etc.		41 228	46 571	48 251	51 945	53 556	53 293	-0.5%
<i>among which:</i>								
Households		19 771	20 314	20 800	21 034	21 376	21 659	1.3%

3.2 Electrical capacity, fuel inputs and heat

		POLSKA						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	29 933	30 173	30 732	30 559	30 672	30 841	0.6%
<i>by source:</i>								
Conventional thermal		27 886	27 997	28 550	28 372	28 420	28 576	0.5%
<i>of which:</i>								
Steam		27 886	27 997	28 495	28 204	28 252	28 173	-0.3%
Gas turbine		-	-	55	168	168	403	139.9%
Combined cycle		-	-	-	-	-	-	-
Internal combustion		-	-	-	-	-	-	-
Nuclear		-	-	-	-	-	-	-
Hydro		2 047	2 174	2 179	2 183	2 233	2 233	0.0%
<i>among which:</i>								
Pumped storage		1 366	1 366	1 366	1 366	1 366	1 366	0.0%
Wind		-	2	3	4	19	32	68.4%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		27 858	28 181	28 761	28 680	28 752	28 962	0.7%
Autoproducers		2 075	1 992	1 971	1 879	1 919	1 879	-2.1%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	37 351	36 399	35 833	35 960	36 231	35 610	-1.7%
<i>among which:</i>								
Hard coal		23 606	22 758	22 372	22 742	22 813	22 263	-2.4%
Lignite and peat		12 663	12 771	12 434	12 051	12 099	11 799	-2.5%
Petroleum products		438	245	255	228	220	211	-4.2%
Natural gas		65	98	195	299	405	630	55.5%
Renewables		63	76	76	79	114	137	20.1%
Heating plants		5 952	5 236	4 888	4 320	4 609	4 152	-9.9%
<i>among which:</i>								
Hard coal		5 393	4 705	4 396	3 862	4 076	3 628	-11.0%
Lignite and peat		11	9	11	10	8	7	-12.2%
Petroleum products		254	216	174	142	173	155	-10.4%
Natural gas		125	160	193	217	269	294	9.2%
Renewables		16	13	14	14	16	19	14.5%
Heat production and consumption								
Total heat production	TJ	10 102	9 352	8 873	8 137	8 843	8 394	-5.1%
<i>among which: in heating plants</i>								
		4 768	4 236	3 887	3 437	3 845	3 490	-9.2%
Heat consumption		8 744	8 069	7 618	6 886	7 556	7 112	-5.9%
<i>of which: in industry</i>								
		1 717	1 512	1 356	1 450	1 398	1 364	-2.4%
<i>in households and services</i>								
		7 028	6 557	6 261	5 436	6 158	5 748	-6.7%
<i>among which: in households</i>								
		6 091	5 828	5 613	4 896	5 527	4 968	-10.1%

4.1 Crude oil and feedstocks

		POLSKA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		289	360	434	653	767	728	-5.1%
Total imports		15 115	15 742	17 004	18 840	17 907	18 077	0.9%
Total exports		-	-	-	129	440	497	13.0%
Stock changes		-113	298	-47	-445	227	-295	-230.0%
Refinery intake		16 090	17 099	18 239	19 820	19 439	18 758	-3.5%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	POLSKA							
	<i>in 1 000 t</i>	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output		15 586	16 682	17 811	18 480	18 411	17 593	-4.4%
<i>among which:</i>								
Motor spirit		3 193	3 347	4 087	4 257	4 246	3 935	-7.3%
Kerosene and jet fuel		236	271	262	428	627	585	-6.7%
Naphtha		837	781	705	791	745	882	18.4%
Gas/diesel oil		5 985	6 569	6 951	7 154	7 141	6 314	-11.6%
Residual fuel oil		3 458	3 705	3 654	3 558	3 424	3 325	-2.9%
Total imports		4 520	4 313	3 854	3 223	3 600	4 108	14.1%
Total exports		1 516	1 637	1 879	1 850	2 272	2 365	4.1%
Bunkers		154	269	551	292	267	276	3.4%
Stock changes		13	-227	180	-313	-6	72	
Gross inland consumption		2 914	2 283	1 772	950	1 288	1 614	25.3%
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands		-	-	-	-	-	-	-
United Kingdom		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
OPEC		-	-	-	-	-	-	-
Imports by product								
<i>among which:</i>								
Motor spirit		1 731	1 662	1 674	901	861	628	-27.1%
Kerosene and jet fuel		199	200	188	191	136	115	-15.4%
Gas/diesel oil		1 517	1 307	856	695	984	1 460	48.4%
Residual fuel oil		170	136	32	113	185	127	-31.4%
Exports by product								
<i>among which:</i>								
Motor spirit		-	-	-	75	364	386	6.0%
Kerosene and jet fuel		22	34	12	191	392	278	-29.1%
Gas/diesel oil		14	13	62	52	166	339	104.2%
Residual fuel oil		1 334	1 529	1 566	1 367	1 206	1 017	-15.7%
Consumption								
Inputs to electricity plants		458	256	267	238	230	220	-4.3%
Inputs to heating plants		264	224	180	146	178	159	-10.7%
Non-energy use		2 038	2 090	2 020	2 439	2 030	2 244	10.5%
Final energy consumption		14 086	14 755	15 792	14 939	14 944	14 569	-2.5%
Industry								
<i>among which by product:</i>								
Gas/diesel oil		615	586	543	516	589	554	-5.9%
Residual fuel oil		639	853	778	662	503	500	-0.6%

	POLSKA							
	<i>in 1 000 t</i>	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry		131	47	54	45	24	8	-66.7%
Non-ferrous metals		21	19	18	21	19	15	-21.1%
Chemical industry		530	934	883	911	821	810	-1.3%
Non-met. mineral prod.		173	220	196	146	170	200	17.6%
Food, drink, tobacco		186	234	242	252	257	267	3.9%
Pulp, paper and print		51	63	54	51	50	50	0.0%
Engineering & metal		72	92	76	89	82	63	-23.2%
Other industries		365	259	217	212	182	209	14.8%
Transport		8 916	8 788	9 912	8 480	8 461	8 274	-2.2%
<i>among which:</i>								
Motor spirit		4 859	4 952	5 714	4 963	4 604	4 217	-8.4%
Jet fuel		255	250	356	359	338	412	21.9%
Diesel oil		3 466	3 236	3 375	2 733	2 933	2 816	-4.0%
Services & households etc.		3 504	3 974	4 031	4 643	4 797	4 615	-3.8%
<i>among which:</i>								
Gas oil		2 802	3 209	3 320	3 901	3 984	3 895	-2.2%
Residual fuel oil		166	142	137	140	131	97	-26.0%
Stocks at end of period								
Crude oil and feedstocks		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	POLSKA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	149 056	151 125	144 314	154 138	162 449	166 037	2.2%
Total imports	307 719	301 795	291 046	308 917	335 498	312 390	-6.9%
Total exports	1 483	1 542	1 539	1 562	1 573	1 605	2.0%
Stock changes	-17 193	-8 773	-2 896	1 832	-13 655	-6 356	53.5%
Gross inland consumption	438 099	442 605	430 925	463 325	482 719	470 466	-2.5%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	3 027	4 538	9 053	13 914	18 859	29 327	55.5%
Inputs to heat plants	5 806	7 427	8 958	10 115	12 521	13 673	9.2%
Consumption of energy branch	42 956	53 533	50 598	54 180	47 046	38 998	-17.1%
Distribution losses	20 164	18 258	12 379	15 823	14 078	7 708	-45.2%
Non-energy use	88 636	82 650	70 201	85 355	79 538	60 675	-23.7%
Industry	110 114	104 622	95 479	105 541	104 920	105 476	0.5%
<i>among which:</i>							
Iron&steel industry	29 905	25 688	22 999	23 869	19 179	16 280	-15.1%
Non-ferrous metals	6 027	6 265	6 289	6 460	6 333	6 210	-1.9%
Chemical industry	12 249	10 453	10 046	10 516	9 423	7 999	-15.1%
Non-met. mineral prod.	28 506	30 108	26 574	31 085	35 398	36 926	4.3%
Food, drink, tobacco	14 363	11 882	10 283	11 660	12 626	13 878	9.9%
Pulp, paper and print	1 218	626	1 119	1 345	1 606	1 623	1.1%
Engineering & metal	10 845	10 800	10 647	11 872	11 487	12 318	7.2%
Other industries	2 586	4 608	4 555	5 352	5 446	6 235	14.5%
Transport	-	-	-	-	-	-	-
Services & households etc.	194 276	196 006	183 520	179 061	197 415	204 008	3.3%
<i>among which:</i>							
Households	166 691	153 631	151 106	141 790	148 597	141 213	-5.0%
Services	26 951	41 410	31 885	36 676	47 955	61 779	28.8%

6.1 Hard coal

	POLSKA						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Primary production and supply							
Primary production	137 129	115 145	109 322	102 219	103 280	102 723	-0.5%
Total imports	3 244	4 198	2 361	1 452	1 878	2 737	45.7%
Total exports	29 466	28 055	24 102	23 245	23 029	22 623	-1.8%
Stock changes	-6 569	1 538	557	1 833	1 303	-1 561	-219.8%
Gross inland consumption	104 964	93 407	89 040	83 371	84 144	82 258	-2.2%
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	45 780	43 746	43 413	44 514	44 242	43 175	-2.4%
Inputs to heat plants	10 458	9 045	8 115	7 164	7 905	7 036	-11.0%
Consumption of energy branch	2 556	2 431	2 053	1 619	1 581	2 016	27.5%
Industry							
<i>among which:</i>							
Iron&steel industry	1 016	905	813	790	546	340	-37.7%
Non-ferrous metals	168	143	133	132	156	108	-30.8%
Chemical industry	2 748	2 361	2 156	2 168	2 076	1 940	-6.6%
Non-met. mineral prod.	3 505	2 860	2 558	2 307	1 761	1 450	-17.7%
Food, drink, tobacco	3 361	2 776	1 977	1 878	1 715	1 784	4.0%
Pulp, paper and print	1 031	813	748	679	667	611	-8.4%
Engineering & metal	1 346	1 111	789	604	471	380	-19.3%
Other industries	1 376	781	630	545	541	480	-11.3%
Services & households etc.	15 134	12 008	12 877	9 604	10 820	10 184	-5.9%
Structural data							
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		POLSKA						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		10 536	9 747	8 368	8 972	8 946	8 723	-2.5%
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		63 169	62 820	60 839	59 484	59 552	58 210	-2.3%
Brown coal briquettes		79	63	49	21	-	-	-
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		88 096	81 619	69 988	76 499	76 676	72 856	-5.0%
Blast-furnace gas		41 319	34 289	28 179	37 053	31 904	28 752	-9.9%
Gasworks gas		935	607	338	186	176	161	-8.5%
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		6 355	4 794	4 238	4 213	3 662	3 512	-4.1%
<i>among which:</i>								
Iron & steel industry		3 190	2 642	2 272	2 745	2 400	2 273	-5.3%
Services & households		2 335	1 373	1 259	820	684	685	0.1%
Patent Fuel		-	-	-	2	1	2	100.0%
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		588	491	349	295	337	363	7.7%
<i>among which:</i>								
Industry		132	119	70	48	33	33	0.0%
Services & households		456	372	279	247	304	330	8.6%
Brown coal briquettes		29	8	28	21	2	2	0.0%
<i>among which:</i>								
Industry		2	2	2	2	2	1	-50.0%
Services & households		27	6	26	19	-	1	
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		27 652	28 794	18 684	20 046	19 955	17 636	-11.6%
Blast-furnace gas		36 169	29 534	24 046	31 896	24 636	19 390	-21.3%
Gasworks gas		904	603	525	181	172	157	-8.7%
Inputs to electricity plants		20 183	16 842	19 884	22 064	22 697	22 161	-2.4%
Inputs to heat plants		1 401	1 438	1 265	1 246	1 257	867	-31.0%
Consumption of energy branch		42 878	39 163	34 029	37 123	39 078	41 478	6.1%
Consumption in industry		64 303	58 703	43 068	51 942	44 591	37 026	-17.0%

7. Renewable energy sources

		POLSKA						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	3 873	3 883	3 757	3 810	4 071	4 166	2.3%
Hydro (excl. pumping)		169	199	185	181	200	196	-2.0%
Wind		0	0	0	0	1	5	335.7%
Solar		-	-	-	-	-	-	-
Geothermal		-	-	-	3	3	6	119.2%
Biomass		3 704	3 684	3 572	3 626	3 867	3 958	2.4%
	<i>among which:</i>							
Wood, wood-waste		3 688	3 663	3 546	3 594	3 831	3 928	2.5%
Municipal solid waste		-	-	0	2	1	-	-
Biogas		16	21	25	30	35	30	-14.2%
Gross inland consumption		3 866	3 916	3 753	3 804	4 071	4 167	2.4%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		79	89	89	93	130	155	19.4%
	<i>among which:</i>							
Wood, wood-waste		79	88	81	83	117	143	22.4%
Municipal waste		-	-	-	-	-	-	-
Biogas		0	1	8	11	13	13	-6.0%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	3 617	3 624	3 477	3 528	3 739	3 810	1.9%
	<i>by sector:</i>							
Industry		592	594	579	627	627	700	11.7%
Services & households etc.		3 024	3 031	2 898	2 901	3 112	3 110	-0.1%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		3 617	3 624	3 477	3 525	3 736	3 803	1.8%
	<i>among which:</i>							
Wood, wood-waste		3 602	3 609	3 461	3 504	3 714	3 786	2.0%
Municipal waste		-	-	0	2	1	-	-
Biogas		14	16	16	19	22	17	-20.2%
Geothermal		-	-	-	3	3	6	119.2%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	216	208	298	239	262	9.6%
Hydro with installed capacity > 1 & <10 MW		:	565	500	422	532	585	10.0%
Hydro with installed capacity > 10 MW		:	1 528	1 446	1 386	1 554	1 432	-7.9%
Wood, Wood-waste		162	206	169	190	402	502	24.9%
Municipal waste		-	-	-	-	-	-	-
Biogas		:	:	:	31	42	48	14.3%

		POLSKA						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	61	64	57	76	60	-21.1%
Hydro with installed capacity > 1 & <10 MW		:	93	93	98	106	150	41.5%
Hydro with installed capacity > 10 MW		:	654	656	662	685	630	-8.0%
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	5	7	9	12	14	16.7%
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	-	-	-	-
Solar Panels								
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

eurostat		PORTUGAL					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	3 045	3 036	2 656	3 109	3 895	3 619
Net energy imports		18 436	19 406	22 083	21 588	21 538	22 252
Net oil imports		14 464	15 482	16 467	15 556	16 298	15 888
Net gas imports		99	697	1 953	2 039	2 252	2 727
Gross inland energy consumption		20 744	22 246	23 892	24 108	24 760	25 942
Final energy consumption		14 550	15 421	15 982	16 937	18 069	18 341
Industry		4 889	5 240	5 263	5 518	6 311	5 812
Transport		5 266	5 704	6 043	6 517	6 548	7 126
Services and households etc.		4 395	4 477	4 676	4 903	5 210	5 403
Gross electricity generation	GWh	34 204	38 982	43 274	43 764	46 509	46 107
Final electricity consumption		31 940	33 845	36 120	38 373	39 937	41 473
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	88 949	93 023	96 559	99 821	101 524	101 933
Population	1000 per.	10 089	10 129	10 174	10 231	10 296	10 368
Industry added value	Mio EUR	25 520	26 402	26 849	27 704	28 302	28 061
Total imports (current prices)	Mio EUR	34 759	39 682	43 037	45 416	45 874	45 624
among which:							
All energy commodities		2 407	1 813	2 535	4 439	4 270	4 096
Oil products		1 944	1 460	2 024	3 557	3 367	3 172
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	233.2	239.1	247.4	241.5	243.9	254.5
Final energy consumption / GDP(95)		163.6	165.8	165.5	169.7	178.0	179.9
Energy intensity of industry:							
Final consumption / gross value-added mp		191.6	198.5	196.0	199.2	223.0	207.1
Energy intensity of service sector:							
Final consumption / gross value-added mp		22.9	21.8	21.4	22.7	29.4	28.2
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 056	2 196	2 348	2 356	2 405	2 502
Final energy consumption / capita		1 442	1 522	1 571	1 655	1 755	1 769
Household consumption / capita		264	264	273	274	278	301
Electricity consumption / capita	kWh/cap.	2 368	2 578	3 408	3 207	3 119	3 799
Energy dependency							
Net energy imports / Gross consumption	in %	86.8	85.8	90.2	87.2	85.4	84.2
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	70.1	69.3	66.9	70.3	73.0	70.7
Efficiency of thermal power stations		40.7	42.8	43.7	44.2	45.9	45.2

2. Energy balance

Principal aggregates by product

eurostat	PORTUGAL						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>							
Primary production							
Total	3 045	3 036	2 656	3 109	3 895	3 619	-7.1%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-	-
Hydro-electricity	1 127	1 116	625	974	1 207	671	-44.4%
Biomass	1 854	1 844	1 933	2 053	2 583	2 838	9.9%
Imports							
Total	20 815	21 706	23 912	23 371	23 194	23 909	3.1%
<i>among which:</i> Hard coal	3 668	3 257	3 790	3 968	2 967	3 461	16.6%
Crude oil and feedstocks	13 507	13 824	13 754	12 022	13 089	11 948	-8.7%
Petroleum products	3 078	3 586	4 102	4 938	4 564	5 302	16.2%
Natural Gas	99	697	1 953	2 039	2 252	2 727	21.1%
Electricity	462	342	312	404	322	458	42.4%
Exports							
Total	2 379	2 300	1 830	1 783	1 656	1 657	0.0%
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	2 121	1 928	1 389	1 404	1 355	1 362	0.5%
Natural gas	-	-	-	-	-	-	-
Electricity	213	318	386	324	301	295	-2.1%
Gross inland consumption							
Total	20 744	22 246	23 892	24 108	24 760	25 942	4.8%
<i>among which:</i> Solid fuels	3 491	3 171	3 790	3 803	3 192	3 476	8.9%
Crude oil and petrol. prod.	13 872	15 319	15 574	15 083	15 396	15 955	3.6%
Natural gas	87	697	1 945	2 034	2 255	2 729	21.0%
Nuclear Energy	-	-	-	-	-	-	-
Renewables	3 045	3 036	2 656	3 109	3 895	3 619	-7.1%
Transformation input							
Total	18 209	19 924	21 209	19 207	19 425	20 096	3.5%
<i>among which:</i> Crude oil and feedstocks	13 168	14 090	13 546	12 251	13 013	12 522	-3.8%
Petroleum products	1 498	2 121	2 234	1 670	1 919	2 324	21.1%
Hard coal	3 194	2 975	3 594	3 543	3 025	3 298	9.0%
Lignite and peat	-	-	-	-	-	-	-
Renewables	165	157	242	356	178	374	110.2%
Transformation output							
Total	15 355	16 667	17 001	15 523	15 970	15 909	-0.4%
<i>among which:</i> Electricity	1 805	2 222	3 055	2 741	2 741	3 223	17.6%
Heat	67	80	86	134	162	200	23.9%

Final energy consumption

Total	14 550	15 421	15 982	16 937	18 069	18 341	1.5%
<i>among which:</i> Solid fuels	487	413	403	465	203	177	-12.5%
Petroleum products	9 412	9 973	10 089	10 469	10 797	10 731	-0.6%
Natural Gas	44	234	489	790	1 040	1 183	13.8%
Renewables	1 689	1 687	1 690	1 697	2 405	2 464	2.4%
Electricity	2 746	2 910	3 106	3 299	3 434	3 566	3.8%

Final energy consumption by sector
Industry

Total	4 889	5 240	5 263	5 518	6 311	5 812	-7.9%
<i>among which:</i> Solid fuels	487	413	403	465	203	177	-12.5%
Petroleum Products	2 527	2 697	2 473	2 326	2 475	1 801	-27.2%
Natural Gas	42	220	435	659	831	917	10.3%
Renewables	539	537	540	547	1 255	1 314	4.7%
Electricity	1 198	1 253	1 298	1 372	1 390	1 416	1.9%


Transport

Total	5 266	5 704	6 043	6 517	6 548	7 126	8.8%
<i>among which:</i> Motor spirit	2 050	2 133	2 188	2 234	2 100	2 174	3.6%
Diesel oil	2 575	2 893	3 059	3 439	3 636	4 147	14.1%
Jet fuel	602	647	740	790	755	742	-1.8%
Electricity	29	31	31	31	31	35	14.8%


Services&households

Total	4 395	4 477	4 676	4 903	5 210	5 403	3.7%
<i>among which:</i> Solid fuels	-	-	-	-	-	-	-
Gas oil	673	769	808	908	1 091	789	-27.7%
Natural Gas	2	15	54	131	204	259	26.9%
Renewables	1 150	1 150	1 150	1 150	1 150	1 150	0.0%
Electricity	1 519	1 626	1 777	1 897	2 014	2 115	5.0%
Heat	-	3	6	7	9	13	45.7%


3.1 Electricity balance

 eurostat	PORTUGAL						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	34 204	38 982	43 274	43 764	46 509	46 107	-0.9%
<i>among which:</i>							
Hydro	13 175	13 054	7 619	11 715	14 375	8 257	-42.6%
Wind	36	88	123	168	256	362	41.4%
Geothermal	51	58	80	80	105	96	-8.6%
Nuclear	-	-	-	-	-	-	-
Conventional thermal	20 942	25 782	35 452	31 801	31 773	37 392	17.7%
<i>of which:</i>							
Hard coal	12 956	11 979	15 046	14 595	13 606	15 212	11.8%
Lignite and peat	-	-	-	-	-	-	-
Petroleum products	6 776	10 687	11 009	8 421	9 338	11 407	22.2%
Natural gas	89	2 018	8 074	7 138	7 212	9 037	25.3%
Derived gases	85	76	85	93	16	-	-
Biomass	1 036	1 022	1 238	1 553	1 600	1 734	8.4%
Industrial wastes	-	-	-	1	1	2	100.0%
Total net generation	32 854	37 477	41 739	42 215	44 844	44 390	-1.0%
Imports and exports							
Total imports	5 376	3 974	3 628	4 698	3 741	5 329	42.4%
Total exports	2 477	3 700	4 488	3 767	3 502	3 430	-2.1%
Consumption and losses							
Consumption of the energy branch	1 877	2 101	2 302	2 281	2 413	2 574	6.7%
<i>of which:</i>							
Consumption for pumped-storage	30	30	146	166	144	213	47.9%
Network losses	3 217	3 240	3 648	3 649	4 057	3 502	-13.7%
Final energy consumption	31 940	33 845	36 120	38 373	39 937	41 473	3.8%
<i>of which:</i>							
Industry	13 932	14 574	15 094	15 954	16 161	16 470	1.9%
<i>among which:</i>							
Iron&steel industry	678	728	777	818	749	863	15.2%
Non-ferrous metals	103	106	113	113	116	117	0.9%
Chemical industry	1 979	2 074	2 135	2 310	2 303	2 331	1.2%
Non-met. mineral prod.	1 996	2 086	2 213	2 251	2 307	2 350	1.9%
Food, drink, tobacco	1 400	1 432	1 477	1 564	1 576	1 603	1.7%
Pulp, paper and print	1 903	1 949	1 965	2 054	2 097	1 995	-4.9%
Engineering & metal	1 241	1 337	1 410	1 508	1 571	1 547	-1.5%
Other industries	2 003	2 121	2 245	2 585	2 740	2 892	5.5%
Transport	338	366	365	360	358	411	14.8%
Services & households etc.	17 670	18 905	20 661	22 059	23 418	24 592	5.0%
<i>among which:</i>							
Households	8 423	8 784	9 523	10 056	10 625	11 382	7.1%


3.2 Electrical capacity, fuel inputs and heat


	PORTUGAL							
	1997	1998	1999	2000	2001	2002	02/01	
Net electrical capacity								
Total installed capacity	MW	9 468	9 786	10 750	10 898	10 990	11 239	2.3%
<i>by source:</i>								
Conventional thermal		4 993	5 227	6 156	6 275	6 291	6 448	2.5%
<i>of which:</i>								
Steam		4 058	4 055	4 009	4 071	4 061	4 146	2.1%
Gas turbine		329	329	329	329	329	329	0.0%
Combined cycle		-	225	990	990	990	990	0.0%
Internal combustion		606	618	828	885	911	983	7.9%
Nuclear		-	-	-	-	-	-	-
Hydro		4 438	4 501	4 527	4 526	4 560	4 587	0.6%
<i>among which:</i>								
Pumped storage		561	561	597	597	597	597	0.0%
Wind		29	48	57	83	125	190	52.0%
Geothermal		8	10	10	14	14	14	0.0%
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		8 700	8 986	9 787	9 800	9 879	10 020	1.4%
Autoproducers		768	800	963	1 099	1 112	1 220	9.7%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	4 600	5 378	7 195	6 507	6 324	7 574	19.8%
<i>among which:</i>								
Hard coal		2 867	2 646	3 256	3 198	2 961	3 298	11.4%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		1 447	2 112	2 234	1 670	1 919	2 324	21.1%
Natural gas		24	377	1 354	1 171	1 189	1 517	27.6%
Renewables		210	208	312	405	243	434	78.9%
Heating plants		-	-	-	-	-	-	-
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-
Natural gas		-	-	-	-	-	-	-
Renewables		-	-	-	-	-	-	-
Heat production and consumption								
Total heat production	TJ	67	80	86	134	162	200	23.9%
<i>among which: in heating plants</i>								
		-	-	-	-	-	-	-
Heat consumption		67	80	86	134	162	200	23.9%
<i>of which: in industry</i>								
		67	78	80	127	152	187	22.6%
<i>in households and services</i>								
		-	3	6	7	9	13	45.7%
<i>among which: in households</i>								
		-	3	3	4	4	7	66.1%

4.1 Crude oil and feedstocks


 eurostat	in 1 000 t	PORTUGAL						
		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		13 480	13 919	13 807	12 133	13 158	11 861	-9.9%
Total exports		-	-	-	-	-	-	-
Stock changes		-367	220	-346	138	-193	427	321.2%
Refinery intake		13 141	14 186	13 594	12 362	13 079	12 430	-5.0%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		9 188	8 767	8 325	7 721	7 594	6 519	-14.2%
Near and Middle East		5 229	6 796	5 645	4 522	2 788	3 120	11.9%
Africa		3 568	2 598	3 000	3 958	5 112	3 867	-24.4%
<i>by country of origin:</i>								
Algeria		342	-	-	-	319	555	74.0%
Nigeria		2 670	2 137	2 293	3 277	3 637	2 579	-29.1%
Saudi Arabia		2 878	2 704	1 971	1 954	1 965	1 822	-7.3%
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		244	589	1 275	868	799	518	-35.2%
Refining capacity								
Capacity at the end of year	1 000 t/year	14 400	14 400	14 400	14 400	:	:	
<i>among which:</i>								
Cracking and others		3 500	3 720	3 720	3 700	:	:	
Reforming		2 200	2 230	2 230	2 200	:	:	

4.2 Petroleum products


 eurostat	PORTUGAL						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	13 046	14 040	13 482	12 352	13 061	12 393	-5.1%
<i>among which:</i>							
Motor spirit	2 835	2 792	2 654	2 296	2 615	2 518	-3.7%
Kerosene and jet fuel	1 051	1 078	965	799	621	513	-17.4%
Naphtha	900	904	1 007	996	986	1 084	9.9%
Gas/diesel oil	3 970	4 368	4 279	3 794	4 533	4 827	6.5%
Residual fuel oil	3 023	3 185	3 141	3 000	2 703	2 358	-12.8%
Total imports	3 199	3 716	4 302	5 118	4 839	5 716	18.1%
Total exports	2 106	1 901	1 389	1 424	1 355	1 373	1.3%
Bunkers	504	391	599	676	483	493	2.1%
Stock changes	310	-23	97	-6	-262	149	156.9%
Gross inland consumption	899	1 401	2 411	3 012	2 739	3 999	46.0%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	202	224	486	597	451	411	-8.9%
United Kingdom	874	1 011	951	650	792	1 050	32.6%
Norway	50	56	36	63	71	112	57.7%
OPEC	100	236	94	178	564	790	40.1%
Imports by product							
<i>among which:</i>							
Motor spirit	4	3	14	157	12	63	425.0%
Kerosene and jet fuel	-	-	1	77	156	193	23.7%
Gas/diesel oil	152	143	268	1 271	943	620	-34.3%
Residual fuel oil	787	1 578	1 795	1 226	1 313	2 111	60.8%
Exports by product							
<i>among which:</i>							
Motor spirit	888	789	588	397	635	540	-15.0%
Kerosene and jet fuel	385	368	221	99	13	-	-
Gas/diesel oil	309	290	78	152	90	6	-93.3%
Residual fuel oil	292	164	164	483	195	319	63.6%
Consumption							
Inputs to electricity plants	1 521	2 215	2 338	1 747	2 007	2 431	21.1%
Inputs to heating plants	-	-	-	-	-	-	-
Non-energy use	1 907	2 172	2 354	2 344	1 940	1 968	1.4%
Final energy consumption	9 287	9 884	10 001	10 348	10 712	10 660	-0.5%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	321	390	383	431	469	374	-20.3%
Residual fuel oil	1 668	1 635	1 375	1 266	1 292	770	-40.4%

 eurostat	PORTUGAL						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	43	42	37	36	31	29	-6.5%
Non-ferrous metals	19	42	17	17	14	1	-92.9%
Chemical industry	428	398	99	97	437	201	-54.0%
Non-met. mineral prod.	769	964	1 095	956	999	826	-17.3%
Food, drink, tobacco	298	282	250	255	213	209	-1.9%
Pulp, paper and print	349	346	350	325	248	165	-33.5%
Engineering & metal	45	40	39	38	34	38	11.8%
Other industries	362	395	394	392	389	318	-18.3%
Transport	5 095	5 523	5 853	6 319	6 352	6 915	8.9%
<i>among which:</i>							
Motor spirit	1 951	2 030	2 082	2 126	1 998	2 069	3.6%
Jet fuel	586	630	721	769	735	722	-1.8%
Diesel oil	2 549	2 863	3 028	3 404	3 599	4 105	14.1%
Services & households etc.	1 576	1 529	1 526	1 582	1 734	1 768	2.0%
<i>among which:</i>							
Gas oil	666	761	800	899	1 080	781	-27.7%
Residual fuel oil	163	54	-	-	-	190	
Stocks at end of period							
Crude oil and feedstocks	1 073	853	1 199	1 061	1 255	828	-34.0%
Petroleum products	1 695	1 775	1 899	1 903	2 202	2 059	-6.5%


5. Natural gas

 eurostat	PORTUGAL							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		4 616	32 434	90 866	94 864	104 769	126 851	21.1%
Total exports		-	-	-	-	-	-	-
Stock changes		-584	-	-362	-251	137	122	-10.9%
Gross inland consumption		4 032	32 434	90 504	94 613	104 906	126 973	21.0%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		-	-	-	-	-	-	-
Algeria		4 616	32 434	90 866	82 351	93 143	109 959	18.1%
Norway		-	-	-	-	-	-	-
Consumption								
Inputs to electricity plants		1 117	17 555	62 969	54 482	55 325	70 586	27.6%
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-
Distribution losses		32	80	120	120	57	551	866.7%
Non-energy use		-	-	-	-	-	-	-
Industry		1 946	10 222	20 239	30 648	38 653	42 652	10.3%
<i>among which:</i>								
Iron&steel industry		220	732	908	976	1 050	1 301	23.9%
Non-ferrous metals		-	20	40	438	263	307	16.7%
Chemical industry		-	708	1 365	2 174	2 730	2 948	8.0%
Non-met. mineral prod.		1 551	7 942	14 844	20 144	23 553	24 804	5.3%
Food, drink, tobacco		-	362	880	1 246	2 055	2 389	16.3%
Pulp, paper and print		-	3	343	308	803	1 175	46.3%
Engineering & metal		175	419	768	1 337	1 663	1 881	13.1%
Other industries		-	13	187	373	741	1 040	40.4%
Transport		-	-	-	51	207	320	54.6%
Services & households etc.		98	675	2 524	6 073	9 507	12 068	26.9%
<i>among which:</i>								
Households		-	358	1 681	3 404	5 448	6 816	25.1%
Services		98	279	580	2 663	3 967	5 109	28.8%


6.1 Hard coal


 eurostat	PORTUGAL							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	5 758	5 113	6 080	6 367	4 807	5 667	17.9%	
Total exports	-	-	-	-	-	-	-	
Stock changes	-203	-14	46	-213	338	1	-99.7%	
Gross inland consumption	5 555	5 099	6 126	6 154	5 145	5 668	10.2%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	1 531	667	782	541	529	114	-78.4%	
Poland	-	-	-	-	-	335		
CIS	-	-	55	90	28	-		
Australia	242	237	739	-	399	838	110.0%	
South Africa	1 740	1 816	1 570	2 426	1 462	2 120	45.0%	
Colombia	1 850	1 892	2 522	2 846	1 815	1 583	-12.8%	
Consumption								
Inputs to electricity plants	4 501	4 154	5 263	5 171	4 788	5 401	12.8%	
Inputs to heat plants	-	-	-	-	-	-	-	
Consumption of energy branch	-	-	-	-	-	-	-	
Industry	573	474	380	484	265	267	0.8%	
<i>among which:</i>								
Iron&steel industry	-	-	-	-	-	-	-	
Non-ferrous metals	-	-	-	-	-	-	-	
Chemical industry	-	-	-	-	-	-	-	
Non-met. mineral prod.	573	474	380	484	265	267	0.8%	
Food, drink, tobacco	-	-	-	-	-	-	-	
Pulp, paper and print	-	-	-	-	-	-	-	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	-	-	-	-	-	-	-	
Services & households etc.	-	-	-	-	-	-	-	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

 eurostat	PORTUGAL						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	340	352	363	371	67	-	-
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	3 047	3 059	2 803	2 930	548	-	-
Blast-furnace gas	1 858	1 687	1 788	1 926	435	-	-
Gasworks gas	3 163	3 419	3 468	2 073	219	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	198	179	257	257	64	21	-67.2%
<i>among which:</i>							
Iron & steel industry	183	160	171	179	41	-	-
Services & households	-	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
<i>among which:</i>							
Services & households	-	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-	-
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-	-
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	564	452	501	503	75	-	-
Blast-furnace gas	659	1 286	936	390	134	-	-
Gasworks gas	2 843	3 085	3 145	1 990	211	-	-
Inputs to electricity plants	2 288	1 569	1 755	2 779	557	-	-
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	1 334	1 379	1 197	1 130	209	-	-
Consumption in industry	1 296	1 807	1 498	937	213	-	-

7. Renewable energy sources

		PORTUGAL						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	3 045	3 036	2 656	3 109	3 895	3 619	-7.1%
Hydro (excl. pumping)		1 127	1 116	625	974	1 207	671	-44.4%
Wind		3	8	11	14	22	31	41.4%
Solar		16	17	18	18	19	20	3.3%
Geothermal		45	51	70	49	64	60	-7.4%
Biomass		1 854	1 844	1 933	2 053	2 583	2 838	9.9%
	<i>among which:</i>							
Wood, wood-waste		1 851	1 842	1 875	1 878	2 582	2 655	2.8%
Municipal solid waste		-	-	57	174	175	182	4.4%
Biogas		3	2	1	1	1	1	5.4%
Gross inland consumption		3 045	3 036	2 656	3 109	3 895	3 619	-7.1%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		45	51	70	49	64	60	-7.4%
Biomass		165	157	242	356	178	374	110.2%
	<i>among which:</i>							
Wood, wood-waste		164	155	184	180	177	191	7.8%
Municipal waste		-	-	57	174	175	182	4.4%
Biogas		1	2	1	1	1	1	5.4%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	1 705	1 703	1 708	1 716	2 424	2 483	2.4%
	<i>by sector:</i>							
Industry		539	537	540	547	1 255	1 314	4.7%
Services & households etc.		1 166	1 167	1 168	1 168	1 169	1 170	0.1%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		1 689	1 687	1 690	1 697	2 405	2 464	2.4%
	<i>among which:</i>							
Wood, wood-waste		1 687	1 687	1 690	1 697	2 405	2 464	2.4%
Municipal waste		-	-	-	-	-	-	-
Biogas		2	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		1	1	1	1	1	2	100.0%
Hydro with installed capacity < 1 MW		49	43	58	73	71	66	-7.0%
Hydro with installed capacity > 1 & <10 MW		589	523	531	805	911	851	-6.6%
Hydro with installed capacity > 10 MW		12 467	12 417	6 697	10 445	13 052	6 883	-47.3%
Wood, Wood-waste		1 035	1 022	1 080	1 037	1 086	1 208	11.2%
Municipal waste		-	-	157	514	511	523	2.3%
Biogas		1	1	1	2	3	3	0.0%

	PORTUGAL						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	1	1	1	1	1	1	0.0%
Hydro with installed capacity < 1 MW	22	19	22	27	27	28	3.7%
Hydro with installed capacity > 1 & <10 MW	223	228	235	280	290	316	9.0%
Hydro with installed capacity > 10 MW	3 569	3 490	3 474	3 622	3 646	3 646	0.0%
Wood, Wood-waste	210	209	233	219	214	233	8.9%
Municipal waste	-	-	81	64	64	71	10.9%
Biogas	1	1	1	1	1	-	
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	216	223	230	238	246	254	3.3%

1. Energy economy

Key figures and energy indicators

		SLOVENIJA					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	2 962	3 036	2 861	3 036	3 146	3 364
Net energy imports		3 549	3 325	3 553	3 317	3 403	3 435
Net oil imports		2 723	2 453	2 524	2 409	2 490	2 434
Net gas imports		785	812	849	776	800	772
Gross inland energy consumption		6 461	6 404	6 330	6 367	6 737	6 878
Final energy consumption		4 470	4 272	4 352	4 523	4 526	4 586
Industry		1 222	1 166	1 212	1 423	1 322	1 298
Transport		1 562	1 377	1 311	1 313	1 372	1 390
Services and households etc.		1 686	1 729	1 830	1 788	1 832	1 899
Gross electricity generation	GWh	13 176	13 728	13 262	13 624	14 466	14 689
Final electricity consumption		9 850	10 090	10 361	10 521	10 942	11 779
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	16 633	17 226	18 183	18 891	19 397	20 062
Population	1000 per.	1 986	1 982	1 983	1 989	1 992	1 995
Industry added value	Mio EUR	5 137	5 352	5 600	5 989	6 212	6 463
Total imports (current prices)	Mio EUR	9 359	10 322	11 152	11 999	12 362	12 958
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	388.4	371.8	348.1	337.0	347.3	342.9
Final energy consumption / GDP(95)		268.8	248.0	239.4	239.4	233.4	228.6
Energy intensity of industry:							
Final consumption / gross value-added mp		238.0	217.9	216.4	237.6	212.9	200.8
Energy intensity of service sector:							
Final consumption / gross value-added mp		81.6	84.4	86.7	75.2	77.6	75.9
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 253	3 232	3 192	3 201	3 382	3 449
Final energy consumption / capita		2 251	2 156	2 195	2 274	2 272	2 300
Household consumption / capita		528	529	554	561	559	594
Electricity consumption / capita	kWh/cap.	4 224	4 219	4 127	4 258	4 467	5 090
Energy dependency							
Net energy imports / Gross consumption	in %	54.9	51.9	56.1	52.1	50.5	49.9
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	69.2	66.7	68.8	71.0	67.2	66.7
Efficiency of thermal power stations		40.7	41.0	44.3	43.9	41.7	41.3

2. Energy balance

Principal aggregates by product

in 1 000 toe	SLOVENIJA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	2 962	3 036	2 861	3 036	3 146	3 364	6.9%
<i>among which:</i> Hard coal	7	7	3	-	-	-	-
Lignite and peat	1 136	1 193	1 087	1 062	1 008	1 175	16.6%
Crude oil	1	1	1	1	1	1	-4.8%
Natural Gas	10	7	5	5	5	5	-7.4%
Nuclear heat	1 308	1 301	1 211	1 228	1 356	1 426	5.2%
Hydro-electricity	266	297	322	330	326	293	-10.4%
Biomass	234	232	233	410	450	465	3.3%
Imports							
Total	3 840	3 725	4 035	4 040	4 037	4 055	0.4%
<i>among which:</i> Hard coal	139	191	262	195	223	286	28.0%
Crude oil and feedstocks	618	240	295	156	121	107	-11.9%
Petroleum products	2 179	2 385	2 544	2 499	2 579	2 523	-2.2%
Natural Gas	785	812	849	776	800	772	-3.5%
Electricity	71	61	51	364	271	326	20.3%
Exports							
Total	291	400	482	723	635	620	-2.4%
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	73	173	315	246	211	196	-7.2%
Natural gas	-	-	-	-	-	-	-
Electricity	217	226	166	477	424	424	0.0%
Gross inland consumption							
Total	6 461	6 404	6 330	6 367	6 737	6 878	2.1%
<i>among which:</i> Solid fuels	1 358	1 432	1 310	1 306	1 431	1 582	10.5%
Crude oil and petrol. prod.	2 647	2 490	2 515	2 377	2 520	2 434	-3.4%
Natural gas	795	819	854	782	806	777	-3.6%
Nuclear Energy	1 308	1 301	1 211	1 228	1 356	1 426	5.2%
Renewables	500	528	554	740	776	757	-2.5%
Transformation input							
Total	3 418	3 131	2 867	2 820	3 030	3 183	5.1%
<i>among which:</i> Crude oil and feedstocks	603	257	298	174	116	124	6.9%
Petroleum products	61	51	23	16	36	17	-53.5%
Hard coal	109	186	167	162	181	208	15.2%
Lignite and peat	1 249	1 225	1 043	1 091	1 193	1 255	5.2%
Renewables	2	11	11	14	25	33	35.3%
Transformation output							
Total	1 631	1 356	1 319	1 254	1 256	1 292	2.9%
<i>among which:</i> Electricity	867	884	819	842	917	970	5.8%
Heat	217	218	212	225	223	212	-4.9%

		SLOVENIJA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>								
Final energy consumption								
Total		4 470	4 272	4 352	4 523	4 526	4 586	1.3%
<i>among which:</i>	Solid fuels	88	65	88	97	86	101	16.5%
	Petroleum products	2 476	2 310	2 340	2 247	2 308	2 297	-0.5%
	Natural Gas	604	612	617	645	569	560	-1.6%
	Renewables	260	221	223	396	425	431	1.4%
	Electricity	847	868	891	905	941	1 013	7.6%
Final energy consumption by sector								
Industry								
Total		1 222	1 166	1 212	1 423	1 322	1 298	-1.9%
<i>among which:</i>	Solid fuels	63	46	69	86	85	99	16.2%
	Petroleum Products	147	137	183	285	213	165	-22.4%
	Natural Gas	505	503	474	475	472	463	-1.9%
	Renewables	61	21	19	36	64	70	9.6%
	Electricity	420	432	440	475	489	501	2.5%
Transport								
Total		1 562	1 377	1 311	1 313	1 372	1 390	1.3%
<i>among which:</i>	Motor spirit	961	840	813	849	840	807	-3.9%
	Diesel oil	569	506	463	417	484	541	11.7%
	Jet fuel	18	17	21	24	27	28	3.8%
	Electricity	14	14	14	23	22	15	-32.5%
Services&households								
Total		1 686	1 729	1 830	1 788	1 832	1 899	3.6%
<i>among which:</i>	Solid fuels	25	19	19	11	1	2	32.8%
	Gas oil	704	726	763	578	642	654	1.9%
	Natural Gas	100	109	142	170	97	97	0.1%
	Renewables	199	199	204	360	361	361	0.0%
	Electricity	413	421	437	406	430	497	15.6%
	Heat	168	171	168	169	197	185	-6.3%

3.1 Electricity balance

<i>in GWh</i>	SLOVENIJA						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	13 176	13 728	13 262	13 624	14 466	14 689	1.5%
<i>among which:</i>							
Hydro	3 092	3 449	3 741	3 834	3 796	3 403	-10.4%
Wind	-	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-	-
Nuclear	5 019	5 042	4 696	4 761	5 257	5 528	5.2%
Conventional thermal	5 065	5 237	4 825	5 029	5 413	5 758	6.4%
<i>of which:</i>							
Hard coal	980	1 199	1 019	307	352	494	40.3%
Lignite and peat	3 730	3 789	3 461	4 304	4 567	4 808	5.3%
Petroleum products	345	140	142	55	126	66	-47.6%
Natural gas	10	109	172	293	296	288	-2.7%
Derived gases	-	-	-	-	-	-	-
Biomass	-	-	31	29	69	102	47.8%
Industrial wastes	-	-	-	41	3	-	-
Total net generation	12 357	12 891	12 457	12 795	13 591	13 783	1.4%
Imports and exports							
Total imports	824	711	596	4 232	3 154	3 794	20.3%
Total exports	2 520	2 630	1 934	5 553	4 926	4 928	0.0%
Consumption and losses							
Consumption of the energy branch	943	957	894	971	1 023	1 039	1.6%
<i>of which:</i>							
Consumption for pumped-storage	-	-	-	-	-	-	-
Network losses	687	762	669	811	729	737	1.1%
Final energy consumption	9 850	10 090	10 361	10 521	10 942	11 779	7.6%
<i>of which:</i>							
Industry	4 884	5 029	5 121	5 529	5 685	5 827	2.5%
<i>among which:</i>							
Iron&steel industry	748	771	778	873	929	860	-7.4%
Non-ferrous metals	1 219	1 155	1 158	1 186	1 182	1 494	26.4%
Chemical industry	406	417	405	418	430	479	11.4%
Non-met. mineral prod.	431	443	448	445	457	412	-9.8%
Food, drink, tobacco	220	239	252	258	264	254	-3.8%
Pulp, paper and print	525	535	557	670	679	669	-1.5%
Engineering & metal	602	703	735	777	775	764	-1.4%
Other industries	421	459	482	579	629	603	-4.1%
Transport	164	160	160	265	255	172	-32.5%
Services & households etc.	4 802	4 901	5 080	4 727	5 002	5 780	15.6%
<i>among which:</i>							
Households	2 684	2 690	2 386	2 601	2 675	2 704	1.1%

3.2 Electrical capacity, fuel inputs and heat

		SLOVENIJA						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	2 495	2 571	2 549	2 631	2 899	2 953	1.9%
<i>by source:</i>								
Conventional thermal		1 097	1 097	1 097	1 115	1 337	1 338	0.1%
<i>of which:</i>								
Steam		1 003	1 003	1 003	1 085	1 003	1 010	0.7%
Gas turbine		10	10	10	17	319	313	-1.9%
Combined cycle		-	-	-	-	-	-	-
Internal combustion		-	-	-	-	-	-	-
Nuclear		664	664	664	656	656	656	0.0%
Hydro		734	810	788	860	906	959	5.8%
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		2 384	2 460	2 465	2 428	2 691	2 757	2.5%
Autoproducers		111	111	111	186	208	196	-5.8%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	1 429	1 512	1 301	1 339	1 482	1 558	5.1%
<i>among which:</i>								
Hard coal		109	186	167	162	181	208	15.2%
Lignite and peat		1 249	1 225	1 043	1 091	1 193	1 255	5.2%
Petroleum products		54	49	20	12	32	14	-57.2%
Natural gas		17	50	63	59	61	56	-7.8%
Renewables		-	2	8	6	16	25	53.9%
Heating plants		79	61	57	80	76	76	0.1%
<i>among which:</i>								
Hard coal		-	-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		7	2	3	4	4	3	-24.0%
Natural gas		70	50	51	67	63	65	2.0%
Renewables		2	9	3	8	8	8	-1.4%
Heat production and consumption								
Total heat production	TJ	217	218	212	225	223	212	-4.9%
<i>among which: in heating plants</i>								
		71	49	50	71	71	65	-8.7%
Heat consumption		194	196	194	195	197	185	-6.3%
<i>of which: in industry</i>								
		27	26	26	26	-	-	-
<i>in households and services</i>								
		168	171	168	169	197	185	-6.3%
<i>among which: in households</i>								
		117	117	157	94	104	97	-6.5%

4.1 Crude oil and feedstocks

		SLOVENIJA						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		1	1	1	1	1	1	0.0%
Total imports		622	239	291	154	160	148	-7.5%
Total exports		-	-	-	-	-	-	-
Stock changes		-16	16	-3	17	-18	16	188.9%
Refinery intake		607	256	294	172	155	165	6.5%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	SLOVENIJA						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Production and supply							
Total refinery output	545	253	284	184	154	143	-7.1%
<i>among which:</i>							
Motor spirit	89	14	42	35	-	-	-
Kerosene and jet fuel	2	1	1	-	-	-	-
Naphtha	74	53	68	34	-	-	-
Gas/diesel oil	200	95	99	56	-	-	-
Residual fuel oil	174	78	65	42	-	-	-
Total imports	2 120	2 338	2 504	2 448	2 528	2 471	-2.3%
Total exports	70	168	307	239	224	218	-2.7%
Bunkers	-	-	-	-	-	-	-
Stock changes	-60	20	-8	-49	46	-17	-137.0%
Gross inland consumption	1 990	2 190	2 189	2 160	2 350	2 236	-4.9%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
OPEC	-	-	-	-	-	-	-
Imports by product							
<i>among which:</i>							
Motor spirit	854	841	782	868	807	779	-3.5%
Kerosene and jet fuel	21	20	20	23	30	35	16.7%
Gas/diesel oil	1 135	1 193	1 372	1 257	1 369	1 377	0.6%
Residual fuel oil	56	99	96	88	110	82	-25.5%
Exports by product							
<i>among which:</i>							
Motor spirit	-	43	65	70	30	18	-40.0%
Kerosene and jet fuel	3	2	-	-	1	6	500.0%
Gas/diesel oil	-	62	163	129	120	87	-27.5%
Residual fuel oil	3	1	1	3	1	-	
Consumption							
Inputs to electricity plants	56	51	21	12	32	14	-56.3%
Inputs to heating plants	7	2	3	4	4	3	-25.0%
Non-energy use	16	112	119	134	205	113	-44.9%
Final energy consumption	2 416	2 253	2 291	2 189	2 250	2 249	0.0%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	36	36	42	162	120	80	-33.3%
Residual fuel oil	103	93	117	110	83	51	-38.6%

		SLOVENIJA						
<i>in 1 000 t</i>		1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry		2	1	1	2	1	1	0.0%
Non-ferrous metals		5	4	30	5	5	4	-20.0%
Chemical industry		14	10	7	7	6	5	-16.7%
Non-met. mineral prod.		38	30	38	57	55	22	-60.0%
Food, drink, tobacco		35	34	35	33	35	32	-8.6%
Pulp, paper and print		1	1	27	3	1	1	0.0%
Engineering & metal		20	20	20	29	21	16	-23.8%
Other industries		17	16	20	122	67	45	-32.8%
Transport		1 495	1 317	1 252	1 244	1 304	1 330	2.0%
<i>among which:</i>								
Motor spirit		914	799	774	808	799	768	-3.9%
Jet fuel		18	17	20	23	26	27	3.8%
Diesel oil		563	501	458	413	479	535	11.7%
Services & households etc.		771	796	846	658	732	744	1.6%
<i>among which:</i>								
Gas oil		697	719	755	572	635	647	1.9%
Residual fuel oil		29	13	15	7	19	21	10.5%
Stocks at end of period								
Crude oil and feedstocks		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	SLOVENIJA						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	480	319	227	243	244	226	-7.4%
Total imports	36 497	37 797	39 489	36 120	37 238	35 922	-3.5%
Total exports	-	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-	-
Gross inland consumption	36 977	38 116	39 716	36 363	37 482	36 148	-3.6%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	789	2 325	2 929	2 742	2 824	2 604	-7.8%
Inputs to heat plants	3 244	2 329	2 358	3 138	2 944	3 002	2.0%
Consumption of energy branch	44	16	19	243	244	202	-17.2%
Distribution losses	-	-	-	-	-	-	-
Non-energy use	4 943	4 890	5 719	226	5 021	4 303	-14.3%
Industry	23 491	23 418	22 065	22 094	21 957	21 536	-1.9%
<i>among which:</i>							
Iron&steel industry	2 948	3 072	2 930	2 986	2 985	2 924	-2.0%
Non-ferrous metals	832	489	541	590	630	655	4.0%
Chemical industry	4 372	4 052	2 966	2 681	2 670	2 635	-1.3%
Non-met. mineral prod.	4 504	4 904	4 712	4 326	4 311	4 125	-4.3%
Food, drink, tobacco	1 531	1 559	1 607	1 575	1 552	1 589	2.4%
Pulp, paper and print	3 192	3 529	3 617	3 930	4 283	3 966	-7.4%
Engineering & metal	2 753	2 442	2 180	2 069	2 032	2 279	12.2%
Other industries	1 714	1 718	1 521	2 156	1 632	1 814	11.2%
Transport	-	-	-	-	-	-	-
Services & households etc.	4 629	5 069	6 627	7 919	4 494	4 499	0.1%
<i>among which:</i>							
Households	2 117	2 318	3 149	2 583	2 726	3 015	10.6%
Services	2 512	2 751	3 478	5 336	1 768	1 484	-16.1%

6.1 Hard coal

	SLOVENIJA						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>							
Primary production and supply							
Primary production	23	16	6	-	-	-	-
Total imports	318	437	596	448	447	572	28.0%
Total exports	1	1	1	-	-	-	-
Stock changes	51	25	-124	-2	38	-2	-105.3%
Gross inland consumption	391	477	477	446	485	570	17.5%
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	340	437	381	362	402	463	15.2%
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	3	3	0	-	-	-	-
Industry							
<i>among which:</i>							
Iron&steel industry	0	-	-	-	-	-	-
Non-ferrous metals	2	2	1	-	-	-	-
Chemical industry	0	-	-	-	-	11	-
Non-met. mineral prod.	16	11	10	-	-	22	-
Food, drink, tobacco	1	-	0	-	-	-	-
Pulp, paper and print	0	-	62	64	65	69	6.2%
Engineering & metal	1	-	0	3	5	1	-80.0%
Other industries	2	-	0	7	11	2	-81.8%
Services & households etc.	33	23	22	8	2	3	50.0%
Structural data							
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		SLOVENIJA						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		4 950	4 875	4 556	4 480	4 133	4 686	13.4%
Brown coal briquettes		-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		71	49	47	72	60	57	-5.0%
<i>among which:</i>								
Iron & steel industry		25	28	25	38	4	6	50.0%
Services & households		-	-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-	-
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		74	44	46	37	8	6	-25.0%
<i>among which:</i>								
Industry		7	6	5	7	6	4	-33.3%
Services & households		67	38	41	30	2	2	0.0%
Brown coal briquettes		-	-	-	-	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		-	-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		-	-	-	-	-	-	-
Inputs to heat plants		-	-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-	-
Consumption in industry		-	-	-	-	-	-	-

7. Renewable energy sources

		SLOVENIJA						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	500	528	554	740	776	757	-2.5%
Hydro (excl. pumping)		266	297	322	330	326	293	-10.4%
Wind		-	-	-	-	-	-	-
Solar		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Biomass		234	232	233	410	450	465	3.3%
	<i>among which:</i>							
Wood, wood-waste		234	230	229	407	446	460	3.1%
Municipal solid waste		-	-	-	-	-	-	-
Biogas		-	2	4	4	4	5	15.4%
Gross inland consumption		500	528	554	740	776	757	-2.5%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		2	11	11	14	25	33	35.3%
	<i>among which:</i>							
Wood, wood-waste		2	9	8	11	21	30	37.6%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	2	3	3	3	4	20.6%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	260	221	223	396	425	431	1.4%
	<i>by sector:</i>							
Industry		61	21	19	36	64	70	9.6%
Services & households etc.		199	199	204	360	361	361	0.0%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		260	221	223	396	425	431	1.4%
	<i>among which:</i>							
Wood, wood-waste		260	221	222	395	424	430	1.4%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	1	1	1	1	2.0%
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	:	169	197	256	29.9%
Hydro with installed capacity > 1 & <10 MW		:	:	:	172	174	161	-7.5%
Hydro with installed capacity > 10 MW		:	:	:	3 495	3 425	2 986	-12.8%
Wood, Wood-waste		:	:	19	18	54	84	55.6%
Municipal waste		-	-	-	-	-	-	-
Biogas		:	:	12	12	15	18	20.0%

		SLOVENIJA						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	12	95	107	116	8.4%
Hydro with installed capacity > 1 & <10 MW		:	:	28	32	40	40	0.0%
Hydro with installed capacity > 10 MW		:	:	748	733	759	803	5.8%
Wood, Wood-waste		-	-	2	2	15	15	0.0%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	2	2	3	3	0.0%
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	-	-	-	-
Solar Panels								
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		SLOVENSKO					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	4 546	4 683	5 078	5 953	6 327	6 475
Net energy imports		12 395	11 635	10 935	10 621	11 676	12 116
Net oil imports		3 169	3 148	2 764	2 234	2 885	3 317
Net gas imports		4 693	4 869	4 767	5 188	5 666	5 871
Gross inland energy consumption		16 881	16 608	16 485	16 463	18 397	18 563
Final energy consumption		8 242	8 832	8 486	7 605	10 898	11 084
Industry		2 477	2 352	2 361	2 499	4 306	4 270
Transport		1 583	1 594	1 602	1 549	1 409	1 743
Services and households etc.		4 182	4 885	4 523	3 557	5 183	5 072
Gross electricity generation	GWh	24 547	25 465	27 743	30 685	32 046	32 427
Final electricity consumption		22 840	21 020	22 747	22 010	23 622	22 632
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	16 471	17 165	17 417	17 772	18 445	19 256
Population	1000 per.	5 383	5 391	5 396	5 389	5 379	5 379
Industry added value	Mio EUR	5 454	5 469	5 443	5 483	5 546	5 586
Total imports (current prices)	Mio EUR	11 310	13 180	12 302	13 597	15 098	15 888
among which:							
All energy commodities		:	:	:	:	:	:
Oil products		:	:	:	:	:	:
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	1 024.9	967.6	946.5	926.4	997.4	964.0
Final energy consumption / GDP(95)		500.4	514.5	487.2	427.9	590.8	575.6
Energy intensity of industry:							
Final consumption / gross value-added mp		454.1	430.1	433.8	455.8	776.5	764.4
Energy intensity of service sector:							
Final consumption / gross value-added mp		197.7	262.1	218.0	131.3	162.1	156.4
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 136	3 081	3 055	3 055	3 420	3 451
Final energy consumption / capita		1 531	1 638	1 573	1 411	2 026	2 061
Household consumption / capita		418	433	439	406	569	549
Electricity consumption / capita	kWh/cap.	4 509	4 295	4 282	4 271	4 307	4 227
Energy dependency							
Net energy imports / Gross consumption	in %	73.4	70.1	66.3	64.5	63.5	65.3
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	48.8	53.2	51.5	46.2	59.2	59.7
Efficiency of thermal power stations		81.4	81.0	74.9	40.7	53.4	56.5

2. Energy balance

Principal aggregates by product

in 1 000 toe	SLOVENSKO						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	4 546	4 683	5 078	5 953	6 327	6 475	2.3%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	1 062	1 064	1 022	1 018	980	934	-4.7%
Crude oil	59	55	61	54	55	53	-3.9%
Natural Gas	202	182	149	121	151	145	-3.6%
Nuclear heat	2 785	2 939	3 384	4 255	4 412	4 631	5.0%
Hydro-electricity	356	370	390	406	424	453	6.9%
Biomass	82	74	73	100	298	258	-13.4%
Imports							
Total	14 760	14 275	14 150	14 302	15 523	15 955	2.8%
<i>among which:</i> Hard coal	3 285	2 890	2 909	3 153	3 246	3 064	-5.6%
Crude oil and feedstocks	4 829	4 955	4 945	4 857	5 572	5 701	2.3%
Petroleum products	454	547	594	274	552	878	59.2%
Natural Gas	4 693	4 869	4 767	5 188	5 666	5 871	3.6%
Electricity	587	459	434	512	119	105	-11.3%
Exports							
Total	2 365	2 640	3 215	3 681	3 846	3 839	-0.2%
<i>among which:</i> Crude oil and feedstocks	-	-	-	14	17	14	-17.8%
Petroleum products	2 114	2 354	2 775	2 883	3 222	3 248	0.8%
Natural gas	-	-	-	-	-	-	-
Electricity	236	266	422	744	442	467	5.7%
Gross inland consumption							
Total	16 881	16 608	16 485	16 463	18 397	18 563	0.9%
<i>among which:</i> Solid fuels	5 054	4 696	4 563	4 254	4 421	4 254	-3.8%
Crude oil and petrol. prod.	3 180	3 183	2 849	2 437	2 954	3 411	15.5%
Natural gas	5 072	5 154	5 217	5 251	6 168	5 867	-4.9%
Nuclear Energy	2 785	2 939	3 384	4 255	4 412	4 631	5.0%
Renewables	439	442	461	498	730	714	-2.2%
Transformation input							
Total	13 036	12 907	13 450	14 093	16 428	16 232	-1.2%
<i>among which:</i> Crude oil and feedstocks	4 869	4 982	5 022	4 960	6 405	6 400	-0.1%
Petroleum products	439	447	250	107	89	89	0.0%
Hard coal	2 685	2 460	2 602	2 627	2 499	2 429	-2.8%
Lignite and peat	1 288	1 216	1 101	1 002	920	675	-26.6%
Renewables	-	-	-	-	-	47	
Transformation output							
Total	10 348	10 621	10 648	11 168	11 959	11 908	-0.4%
<i>among which:</i> Electricity	1 736	1 797	1 975	2 211	2 315	2 317	0.1%
Heat	868	923	743	720	1 398	1 220	-12.7%

		SLOVENSKO						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>								
Final energy consumption								
Total		8 242	8 832	8 486	7 605	10 898	11 084	1.7%
<i>among which:</i>	Solid fuels	1 415	1 332	1 209	1 152	1 321	1 495	13.2%
	Petroleum products	1 846	1 847	1 818	1 872	2 078	2 342	12.7%
	Natural Gas	1 934	2 708	2 535	1 806	3 770	3 657	-3.0%
	Renewables	5	5	2	1	250	213	-15.1%
	Electricity	1 964	1 807	1 956	1 893	2 031	1 946	-4.2%
Final energy consumption by sector								
Industry								
Total		2 477	2 352	2 361	2 499	4 306	4 270	-0.8%
<i>among which:</i>	Solid fuels	969	870	876	916	1 072	1 098	2.4%
	Petroleum Products	214	250	230	362	498	465	-6.6%
	Natural Gas	21	18	20	34	1 243	1 287	3.5%
	Renewables	-	-	-	0	229	209	-8.8%
	Electricity	864	812	819	838	855	775	-9.3%
Transport								
Total		1 583	1 594	1 602	1 549	1 409	1 743	23.7%
<i>among which:</i>	Motor spirit	661	643	670	633	640	752	17.6%
	Diesel oil	836	864	854	834	735	928	26.4%
	Jet fuel	-	-	-	-	32	-	
	Electricity	87	87	78	83	3	62	2300.0%
Services&households								
Total		4 182	4 885	4 523	3 557	5 183	5 072	-2.1%
<i>among which:</i>	Solid fuels	445	463	333	236	248	397	59.7%
	Gas oil	-	-	-	-	121	84	-30.8%
	Natural Gas	1 912	2 690	2 515	1 772	2 527	2 370	-6.2%
	Renewables	5	5	2	1	21	3	-83.8%
	Electricity	1 013	909	1 059	972	1 174	1 109	-5.6%
	Heat	671	728	549	532	1 037	994	-4.1%

3.1 Electricity balance

	SLOVENSKO							
	<i>in GWh</i>	1997	1998	1999	2000	2001	2002	02/01
Generation								
Total gross generation		24 547	25 465	27 743	30 685	32 046	32 427	1.2%
<i>among which:</i>								
Hydro		4 358	4 566	4 776	4 975	5 117	5 483	7.2%
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Nuclear		10 797	11 394	13 117	16 494	17 103	17 953	5.0%
Conventional thermal		9 392	9 505	9 850	9 216	9 826	8 991	-8.5%
<i>of which:</i>								
Hard coal		2 976	3 013	3 657	3 369	3 184	1 681	-47.2%
Lignite and peat		2 814	2 848	2 716	2 215	2 640	2 014	-23.7%
Petroleum products		1 216	1 231	338	202	688	704	2.3%
Natural gas		2 335	2 363	3 085	3 376	2 699	2 511	-7.0%
Derived gases		51	50	54	54	402	420	4.5%
Biomass		-	-	-	-	-	-	-
Industrial wastes		-	-	-	-	213	1 661	679.8%
Total net generation		21 366	22 502	24 816	27 323	29 609	29 937	1.1%
Imports and exports								
Total imports		6 825	5 342	5 050	5 951	1 381	1 225	-11.3%
Total exports		2 743	3 091	4 912	8 647	5 141	5 432	5.7%
Consumption and losses								
Consumption of the energy branch		3 483	4 392	3 064	3 903	3 148	4 265	35.5%
<i>of which:</i>								
Consumption for pumped-storage		74	42	54	50	72	63	-12.5%
Network losses		2 085	2 039	1 828	1 827	1 326	1 108	-16.4%
Final energy consumption		22 840	21 020	22 747	22 010	23 622	22 632	-4.2%
<i>of which:</i>								
Industry		10 053	9 441	9 525	9 741	9 941	9 019	-9.3%
<i>among which:</i>								
Iron&steel industry		3 353	3 149	3 177	3 251	2 722	1 541	-43.4%
Non-ferrous metals		-	-	-	-	-	-	-
Chemical industry		1 490	1 401	1 413	1 446	1 057	1 415	33.9%
Non-met. mineral prod.		1 047	983	992	1 015	695	855	23.0%
Food, drink, tobacco		1 173	1 085	1 095	1 121	967	1 080	11.7%
Pulp, paper and print		704	661	667	683	732	801	9.4%
Engineering & metal		1 120	1 053	1 062	1 087	1 196	650	-45.7%
Other industries		693	665	671	680	627	686	9.4%
Transport		1 010	1 012	903	965	30	720	
Services & households etc.		11 777	10 567	12 319	11 304	13 651	12 893	-5.6%
<i>among which:</i>								
Households		5 507	5 619	5 672	5 419	5 222	4 907	-6.0%

3.2 Electrical capacity, fuel inputs and heat

		SLOVENSKO						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	7 863	7 777	7 752	7 454	8 681	7 964	-8.3%
<i>by source:</i>								
Conventional thermal		3 704	3 160	3 133	2 394	3 178	2 819	-11.3%
<i>of which:</i>								
Steam		-	-	-	-	-	-	-
Gas turbine		-	-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-	-
Internal combustion		-	-	-	-	-	-	-
Nuclear		1 760	2 200	2 200	2 640	2 640	2 640	0.0%
Hydro		2 399	2 417	2 419	2 420	2 863	2 505	-12.5%
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		7 863	7 777	7 752	7 454	7 611	7 460	-2.0%
Autoproducers		-	-	-	-	1 083	624	-42.4%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	2 009	2 097	2 083	1 949	2 963	2 426	-18.1%
<i>among which:</i>								
Hard coal		805	801	794	726	973	805	-17.2%
Lignite and peat		726	734	702	622	908	668	-26.4%
Petroleum products		122	219	86	37	86	85	-1.1%
Natural gas		298	281	435	495	941	781	-17.0%
Renewables		-	-	-	-	-	25	
Heating plants		1 425	1 207	1 111	1 012	638	633	-0.8%
<i>among which:</i>								
Hard coal		365	345	335	347	1	-	
Lignite and peat		562	482	399	380	13	7	-42.9%
Petroleum products		317	228	164	70	3	4	33.3%
Natural gas		-	-	-	-	615	576	-6.3%
Renewables		-	-	-	-	-	22	
Heat production and consumption								
Total heat production	TJ	868	923	743	720	1 398	1 220	-12.7%
<i>among which: in heating plants</i>								
		41	43	29	720	609	577	-5.2%
Heat consumption		701	747	567	550	1 057	1 019	-3.6%
<i>of which: in industry</i>								
		30	19	18	18	21	25	22.4%
<i>in households and services</i>								
		671	728	549	532	1 037	994	-4.1%
<i>among which: in households</i>								
		378	383	370	358	868	782	-9.8%

4.1 Crude oil and feedstocks

		SLOVENSKO						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		64	60	66	59	54	52	-3.7%
Total imports		5 270	5 421	5 346	5 329	5 495	5 633	2.5%
Total exports		-	-	-	15	17	14	-17.6%
Stock changes		-8	-31	41	69	59	32	-45.8%
Refinery intake		5 314	5 450	5 429	5 442	6 316	6 322	0.1%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		-	-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		-	-	-	-	-	-	-
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	-	-	-	-	-	-	-
<i>among which:</i>								
Cracking and others		-	-	-	-	-	-	-
Reforming		-	-	-	-	-	-	-

4.2 Petroleum products

	SLOVENSKO							
	<i>in 1 000 t</i>	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output	6 299	6 614	6 466	6 679	6 233	6 247	0.2%	
<i>among which:</i>								
Motor spirit	832	912	1 017	1 377	1 440	1 555	8.0%	
Kerosene and jet fuel	88	84	41	47	50	44	-12.0%	
Naphtha	670	825	721	751	560	530	-5.4%	
Gas/diesel oil	1 782	1 898	1 889	2 125	2 406	2 341	-2.7%	
Residual fuel oil	1 146	1 217	1 170	543	719	675	-6.1%	
Total imports	451	542	580	270	552	884	60.1%	
Total exports	2 108	2 353	2 766	2 858	3 210	3 230	0.6%	
Bunkers	-	-	-	-	-	-	-	
Stock changes	-41	11	-23	90	-42	7	116.7%	
Gross inland consumption	-1 698	-1 800	-2 209	-2 498	-2 700	-2 339	13.4%	
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands	-	-	-	-	-	-	-	
United Kingdom	-	-	-	-	-	-	-	
Norway	-	-	-	-	-	-	-	
OPEC	-	-	-	-	-	-	-	
Imports by product								
<i>among which:</i>								
Motor spirit	168	208	255	98	221	324	46.6%	
Kerosene and jet fuel	-	-	-	-	3	16	433.3%	
Gas/diesel oil	85	137	233	99	118	285	141.5%	
Residual fuel oil	183	182	71	36	30	16	-46.7%	
Exports by product								
<i>among which:</i>								
Motor spirit	377	403	626	869	1 025	1 151	12.3%	
Kerosene and jet fuel	45	50	21	13	6	11	83.3%	
Gas/diesel oil	995	1 129	1 286	1 422	1 569	1 567	-0.1%	
Residual fuel oil	637	756	822	450	363	260	-28.4%	
Consumption								
Inputs to electricity plants	128	229	90	39	90	89	-1.1%	
Inputs to heating plants	332	239	172	73	3	4	33.3%	
Non-energy use	1 043	1 238	1 207	1 238	746	848	13.7%	
Final energy consumption	1 795	1 793	1 764	1 883	2 056	2 321	12.9%	
Industry								
<i>among which by product:</i>								
Gas/diesel oil	-	-	-	-	24	27	12.5%	
Residual fuel oil	123	142	137	88	305	336	10.2%	

	SLOVENSKO							
	<i>in 1 000 t</i>	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry		-	-	-	-	-	-	-
Non-ferrous metals		-	-	-	-	-	-	-
Chemical industry		75	92	81	85	381	378	-0.8%
Non-met. mineral prod.		-	-	-	-	13	2	-84.6%
Food, drink, tobacco		-	-	-	-	4	-	
Pulp, paper and print		-	-	-	-	14	6	-57.1%
Engineering & metal		-	-	-	-	-	-	-
Other industries		123	142	137	88	47	46	-2.1%
Transport		1 456	1 467	1 483	1 427	1 367	1 635	19.6%
<i>among which:</i>								
Motor spirit		629	612	638	602	609	716	17.6%
Jet fuel		-	-	-	-	31	-	
Diesel oil		827	855	845	825	727	919	26.4%
Services & households etc.		135	88	61	42	170	192	12.9%
<i>among which:</i>								
Gas oil		-	-	-	-	120	83	-30.8%
Residual fuel oil		70	30	11	6	-	-	-
Stocks at end of period								
Crude oil and feedstocks		-	-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	SLOVENSKO						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	9 406	8 454	6 926	5 620	7 009	6 754	-3.6%
Total imports	218 334	226 491	221 769	241 349	263 569	273 122	3.6%
Total exports	-	-	-	-	-	-	-
Stock changes	8 225	4 825	13 977	-2 679	16 374	-6 927	-142.3%
Gross inland consumption	235 965	239 770	242 672	244 290	286 952	272 949	-4.9%
Imports							
Imports by origin							
<i>among which:</i>							
CIS	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	13 855	13 076	20 234	23 010	43 789	36 324	-17.0%
Inputs to heat plants	-	-	-	-	28 619	26 807	-6.3%
Consumption of energy branch	146	5 186	4 989	5 633	31 720	29 832	-6.0%
Distribution losses	3 730	4 882	245	2 768	940	3 736	297.4%
Non-energy use	-	-	-	-	1 029	877	-14.8%
Industry	996	820	929	1 584	57 836	59 871	3.5%
<i>among which:</i>							
Iron&steel industry	104	86	97	166	6 041	9 133	51.2%
Non-ferrous metals	15	13	14	24	905	1 211	33.8%
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	226	186	211	359	13 107	9 026	-31.1%
Food, drink, tobacco	85	70	79	135	4 913	9 010	83.4%
Pulp, paper and print	58	47	54	92	3 372	2 976	-11.7%
Engineering & metal	91	75	85	145	5 281	7 335	38.9%
Other industries	252	208	235	401	14 653	4 539	-69.0%
Transport	-	-	-	-	-	-	-
Services & households etc.	88 960	125 156	117 013	82 415	117 567	110 265	-6.2%
<i>among which:</i>							
Households	57 506	61 382	65 996	60 360	77 075	74 580	-3.2%
Services	29 327	61 320	49 057	20 030	32 574	30 277	-7.1%

6.1 Hard coal

<i>in 1 000 t</i>	SLOVENSKO						
	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply							
Primary production	-	-	-	-	-	-	-
Total imports	5 236	4 531	4 488	4 851	4 963	4 629	-6.7%
Total exports	-	-	-	-	-	-	-
Stock changes	-361	226	119	-195	-41	97	336.6%
Gross inland consumption	4 875	4 757	4 607	4 656	4 922	4 726	-4.0%
Imports							
Imports by origin							
<i>among which:</i>							
USA	-	-	-	-	-	-	-
Poland	-	-	-	-	-	-	-
CIS	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-
South Africa	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-
Consumption							
Inputs to electricity plants	1 320	1 314	1 326	1 225	1 421	1 345	-5.3%
Inputs to heat plants	599	565	559	585	1	-	-
Consumption of energy branch	-	-	-	-	-	-	-
Industry	255	238	224	218	644	607	-5.7%
<i>among which:</i>							
Iron&steel industry	254	238	224	218	377	394	4.5%
Non-ferrous metals	-	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	197	129	-34.5%
Food, drink, tobacco	-	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	61	59	-3.3%
Engineering & metal	-	-	-	3	2	-	-
Other industries	548	550	570	605	-	-	-
Services & households etc.	136	356	61	28	156	88	-43.6%
Structural data							
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-

6.2 Coal derivatives and peat

		SLOVENSKO						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		1 730	1 515	1 616	1 706	1 697	1 806	6.4%
Patent Fuel		-	-	-	-	-	-	-
Lignite and peat		3 915	3 951	3 748	3 648	3 424	3 404	-0.6%
Brown coal briquettes		-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		11 627	10 659	11 435	12 164	13 458	14 346	6.6%
Blast-furnace gas		16 256	14 565	16 299	17 123	20 555	22 028	7.2%
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		1 315	1 134	1 166	1 198	915	1 013	10.7%
<i>among which:</i>								
Iron & steel industry		1 214	1 078	1 087	1 115	739	864	16.9%
Services & households		100	55	79	83	79	49	-38.0%
Patent Fuel		-	-	-	-	-	-	-
<i>among which:</i>								
Services & households		-	-	-	-	-	-	-
Lignite and peat		1 114	786	891	636	721	1 368	89.7%
<i>among which:</i>								
Industry		59	85	25	68	424	266	-37.3%
Services & households		1 055	701	866	568	297	1 102	271.0%
Brown coal briquettes		7	1	2	4	3	1	-66.7%
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		7	1	2	4	3	1	-66.7%
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		7 270	5 897	6 097	6 392	9 706	10 262	5.7%
Blast-furnace gas		6 916	7 078	6 927	7 262	6 579	7 351	11.7%
Gasworks gas		2 668	4 135	4 728	957	-	-	-
Inputs to electricity plants		2 524	2 756	2 938	3 106	2 254	2 399	6.4%
Inputs to heat plants		7 728	6 596	9 337	9 575	108	95	-12.0%
Consumption of energy branch		12 151	8 917	10 866	14 554	14 459	15 071	4.2%
Consumption in industry		16 822	17 103	17 751	14 599	16 285	17 613	8.2%


7. Renewable energy sources

		SLOVENSKO						
		1997	1998	1999	2000	2001	2001	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	438	444	463	506	730	713	-2.4%
Hydro (excl. pumping)		356	370	390	406	424	453	6.9%
Wind		-	-	-	-	-	-	-
Solar		-	-	-	-	-	-	-
Geothermal		-	-	-	-	9	2	-81.1%
Biomass		82	74	73	100	298	258	-13.4%
	<i>among which:</i>							
Wood, wood-waste		82	74	73	100	267	251	-6.2%
Municipal solid waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	3	
Gross inland consumption		439	442	461	498	730	714	-2.2%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		-	-	-	-	-	47	
	<i>among which:</i>							
Wood, wood-waste		-	-	-	-	-	42	
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	1	
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	5	5	2	1	251	214	-14.8%
	<i>by sector:</i>							
Industry		-	-	-	-	229	209	-8.8%
Services & households etc.		5	5	2	1	22	5	-77.1%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		5	5	2	1	250	213	-15.1%
	<i>among which:</i>							
Wood, wood-waste		5	5	2	1	235	210	-10.6%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	3	
Geothermal		-	-	-	-	1	2	64.3%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	:	:	15	16	6.7%
Hydro with installed capacity > 1 & <10 MW		:	:	:	:	11	13	18.2%
Hydro with installed capacity > 10 MW		:	:	:	:	4 901	5 239	6.9%
Wood, Wood-waste		:	:	:	:	153	153	0.0%
Municipal waste		-	-	-	-	-	-	-
Biogas		:	:	:	:	1	2	100.0%

		SLOVENSKO						
		1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES								
	<i>in MW</i>							
Solar photovoltaics (peak)		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		:	:	:	:	5	4	-20.0%
Hydro with installed capacity > 1 & <10 MW		:	:	:	:	3	3	0.0%
Hydro with installed capacity > 10 MW		:	:	:	:	1 939	1 579	-18.6%
Wood, Wood-waste		-	-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	1	2	100.0%
Liquid biofuels								
Production	<i>1000 t</i>	-	-	-	-	221	136	-38.5%
Solar Panels								
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-	-


1. Energy economy

Key figures and energy indicators

		SUOMI/FINLAND					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	14 805	13 125	15 153	14 809	15 065	15 666
Net energy imports		18 535	18 325	17 217	18 542	18 905	18 805
Net oil imports		10 321	11 037	10 292	10 566	10 137	10 139
Net gas imports		2 907	3 336	3 338	3 422	3 707	3 684
Gross inland energy consumption		32 760	33 229	32 807	32 508	33 322	35 136
Final energy consumption		23 484	24 172	24 637	24 555	24 739	25 489
Industry		11 093	11 459	12 055	12 155	11 627	12 065
Transport		4 241	4 296	4 398	4 391	4 482	4 548
Services and households etc.		8 151	8 416	8 184	8 008	8 630	8 875
Gross electricity generation	GWh	69 186	70 170	69 433	69 989	74 450	74 899
Final electricity consumption		70 361	72 806	74 200	75 446	77 296	79 681
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	109 529	115 005	118 883	124 969	126 300	129 171
Population	1000 per.	5 140	5 154	5 166	5 176	5 188	5 201
Industry added value	Mio EUR	33 009	35 286	36 773	40 116	40 070	40 948
Total imports (current prices)	Mio EUR	33 695	36 372	37 653	44 014	44 111	44 951
among which:							
All energy commodities		2 635	2 147	2 515	4 370	4 154	4 046
Oil products		1 761	1 350	1 873	3 532	3 008	2 978
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	299.1	288.9	276.0	260.1	263.8	272.0
Final energy consumption / GDP(95)		214.4	210.2	207.2	196.5	195.9	197.3
Energy intensity of industry:							
Final consumption / gross value-added mp		336.1	324.8	327.8	303.0	290.2	294.7
Energy intensity of service sector:							
Final consumption / gross value-added mp		36.6	36.6	35.1	34.8	40.6	40.2
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	6 373	6 447	6 351	6 281	6 423	6 756
Final energy consumption / capita		4 569	4 690	4 769	4 744	4 769	4 901
Household consumption / capita		1 016	1 044	998	951	954	997
Electricity consumption / capita	kWh/cap.	12 562	12 495	13 110	12 970	13 711	14 609
Energy dependency							
Net energy imports / Gross consumption	in %	55.9	54.3	51.6	55.9	55.8	52.6
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	71.7	72.7	75.1	75.5	74.2	72.5
Efficiency of thermal power stations		69.3	74.5	73.0	73.2	70.6	69.8

2. Energy balance

Principal aggregates by product

 eurostat	SUOMI/FINLAND						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	14 805	13 125	15 153	14 809	15 065	15 666	4.0%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	2 664	430	1 966	1 207	1 616	2 107	30.4%
Crude oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	5 390	5 370	5 926	5 799	5 874	5 751	-2.1%
Hydro-electricity	1 053	1 294	1 099	1 261	1 135	927	-18.4%
Biomass	5 698	5 960	6 158	6 536	6 433	6 876	6.9%
Imports							
Total	22 817	23 177	22 350	23 672	24 029	24 364	1.4%
<i>among which:</i> Hard coal	4 350	2 851	2 302	3 203	3 894	3 641	-6.5%
Crude oil and feedstocks	10 435	12 269	11 700	12 146	11 377	12 153	6.8%
Petroleum products	4 115	3 580	3 692	3 507	3 711	3 405	-8.2%
Natural Gas	2 907	3 336	3 338	3 422	3 707	3 684	-0.6%
Electricity	697	824	976	1 050	1 012	1 158	14.4%
Exports							
Total	4 282	4 852	5 133	5 130	5 123	5 559	8.5%
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-	-
Petroleum products	4 229	4 812	5 100	5 087	4 951	5 419	9.5%
Natural gas	-	-	-	-	-	-	-
Electricity	39	24	20	28	156	132	-15.0%
Gross inland consumption							
Total	32 760	33 229	32 807	32 508	33 322	35 136	5.4%
<i>among which:</i> Solid fuels	6 713	5 447	5 274	5 047	6 146	6 488	5.6%
Crude oil and petrol. prod.	10 168	10 856	9 920	9 209	8 950	10 164	13.6%
Natural gas	2 907	3 336	3 338	3 422	3 707	3 684	-0.6%
Nuclear Energy	5 390	5 370	5 926	5 799	5 874	5 751	-2.1%
Renewables	6 752	7 257	7 261	7 803	7 574	7 808	3.1%
Transformation input							
Total	27 147	27 840	28 315	28 083	28 661	30 504	6.4%
<i>among which:</i> Crude oil and feedstocks	11 934	13 729	13 499	13 231	12 414	13 590	9.5%
Petroleum products	508	427	508	358	442	391	-11.5%
Hard coal	4 172	3 039	3 035	3 033	3 523	3 955	12.3%
Lignite and peat	1 677	1 371	1 292	1 143	1 670	1 755	5.1%
Renewables	1 386	1 495	1 607	1 547	1 615	1 920	18.9%
Transformation output							
Total	20 902	22 359	22 364	22 065	21 933	23 631	7.7%
<i>among which:</i> Electricity	4 894	4 737	4 867	4 751	5 260	5 508	4.7%
Heat	3 002	2 814	3 002	2 990	3 268	3 457	5.8%

Final energy consumption

Total	23 484	24 172	24 637	24 555	24 739	25 489	3.0%
<i>among which:</i> Solid fuels	1 045	1 285	1 200	1 075	1 168	1 103	-5.6%
Petroleum products	7 493	7 693	7 783	7 834	7 669	7 989	4.2%
Natural Gas	1 327	1 487	1 463	952	1 007	973	-3.3%
Renewables	4 312	4 465	4 550	4 989	4 818	4 955	2.9%
Electricity	6 050	6 260	6 380	6 487	6 646	6 851	3.1%

Final energy consumption by sector
Industry

Total	11 093	11 459	12 055	12 155	11 627	12 065	3.8%
<i>among which:</i> Solid fuels	1 018	1 258	1 174	1 050	1 142	1 077	-5.7%
Petroleum Products	1 048	1 138	1 352	1 475	1 074	1 294	20.5%
Natural Gas	1 264	1 427	1 398	889	938	899	-4.2%
Renewables	3 187	3 326	3 436	3 904	3 657	3 773	3.2%
Electricity	3 394	3 506	3 570	3 669	3 644	3 755	3.0%


Transport

Total	4 241	4 296	4 398	4 391	4 482	4 548	1.5%
<i>among which:</i> Motor spirit	1 969	1 940	1 934	1 865	1 904	1 923	1.0%
Diesel oil	1 725	1 794	1 897	1 925	1 986	2 029	2.1%
Jet fuel	460	480	506	505	505	493	-2.4%
Electricity	43	44	45	46	49	51	5.1%


Services&households

Total	8 151	8 416	8 184	8 008	8 630	8 875	2.8%
<i>among which:</i> Solid fuels	27	27	26	25	26	25	-2.8%
Gas oil	1 976	2 028	1 894	1 740	1 787	1 732	-3.1%
Natural Gas	63	60	65	62	67	72	7.1%
Renewables	1 125	1 139	1 114	1 084	1 161	1 182	1.9%
Electricity	2 613	2 710	2 765	2 772	2 953	3 045	3.1%
Heat	2 075	2 176	2 137	2 050	2 259	2 349	4.0%


3.1 Electricity balance

 eurostat	SUOMI/FINLAND							
	in GWh		1997	1998	1999	2000	2001	2002
Generation								
Total gross generation		69 186	70 170	69 433	69 989	74 450	74 899	0.6%
<i>among which:</i>								
Hydro		12 242	15 051	12 780	14 660	13 204	10 776	-18.4%
Wind		17	24	49	78	70	64	-8.6%
Geothermal		-	-	-	-	-	-	-
Nuclear		20 894	21 853	22 974	22 479	22 773	22 295	-2.1%
Conventional thermal		36 033	33 242	33 630	32 772	38 403	41 764	8.8%
<i>of which:</i>								
Hard coal		13 111	8 272	8 522	8 535	10 659	12 611	18.3%
Lignite and peat		6 009	5 442	4 871	3 962	6 210	6 448	3.8%
Petroleum products		1 320	1 567	773	610	652	601	-7.8%
Natural gas		6 884	8 412	10 113	10 080	11 552	11 304	-2.1%
Derived gases		327	655	655	704	643	670	4.2%
Biomass		7 143	6 696	8 363	8 557	8 411	9 740	15.8%
Industrial wastes		1 239	2 198	333	324	276	390	41.3%
Total net generation		66 160	67 325	66 655	67 292	71 230	71 617	0.5%
Imports and exports								
Total imports		8 103	9 582	11 356	12 206	11 769	13 464	14.4%
Total exports		450	276	232	326	1 810	1 539	-15.0%
Consumption and losses								
Consumption of the energy branch		3 933	3 705	3 668	3 671	4 086	4 202	2.8%
<i>of which:</i>								
Consumption for pumped-storage		-	-	-	-	-	-	-
Network losses		2 535	2 966	2 689	2 752	3 027	2 941	-2.8%
Final energy consumption		70 361	72 806	74 200	75 446	77 296	79 681	3.1%
<i>of which:</i>								
Industry		39 477	40 773	41 520	42 674	42 384	43 668	3.0%
<i>among which:</i>								
Iron&steel industry		2 355	2 444	2 537	2 470	2 562	2 615	2.1%
Non-ferrous metals		1 865	1 936	2 033	1 957	2 029	2 072	2.1%
Chemical industry		4 300	4 318	4 385	5 019	5 143	5 369	4.4%
Non-met. mineral prod.		720	790	850	871	927	924	-0.3%
Food, drink, tobacco		1 480	1 520	1 540	1 588	1 590	1 540	-3.1%
Pulp, paper and print		23 900	24 410	24 640	25 205	24 239	24 958	3.0%
Engineering & metal		2 100	2 400	2 570	2 450	2 492	2 537	1.8%
Other industries		1 987	2 185	2 145	2 281	2 578	2 809	9.0%
Transport		495	515	520	538	565	594	5.1%
Services & households etc.		30 389	31 518	32 160	32 234	34 347	35 419	3.1%
<i>among which:</i>								
Households		17 421	18 141	18 445	18 135	19 373	19 940	2.9%


3.2 Electrical capacity, fuel inputs and heat


		SUOMI/FINLAND						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	15 697	16 143	16 164	16 258	16 474	16 566	0.6%
<i>by source:</i>								
Conventional thermal		10 274	10 605	10 605	10 698	10 868	10 888	0.2%
<i>of which:</i>								
Steam		6 455	6 578	6 635	7 215	7 385	7 405	0.3%
Gas turbine		1 565	1 700	1 700	1 847	1 847	1 847	0.0%
Combined cycle		-	-	-	1 586	1 586	1 586	0.0%
Internal combustion		-	-	-	50	50	50	0.0%
Nuclear		2 550	2 640	2 640	2 640	2 640	2 671	1.2%
Hydro		2 861	2 881	2 881	2 882	2 927	2 964	1.3%
<i>among which:</i>								
Pumped storage		-	-	-	-	-	-	-
Wind		12	17	38	38	39	43	10.3%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		13 443	13 816	13 894	13 988	14 204	14 296	0.6%
Autoproducers		2 254	2 327	2 270	2 270	2 270	2 270	0.0%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	7 922	6 772	7 100	6 934	8 255	9 043	9.6%
<i>among which:</i>								
Hard coal		3 207	2 065	2 054	2 088	2 582	3 005	16.3%
Lignite and peat		1 593	1 294	1 249	1 081	1 611	1 692	5.0%
Petroleum products		284	236	508	131	132	127	-4.0%
Natural gas		1 418	1 654	1 665	1 932	2 211	2 177	-1.5%
Renewables		1 269	1 319	1 415	1 436	1 486	1 802	21.3%
Heating plants		635	655	478	792	834	806	-3.3%
<i>among which:</i>								
Hard coal		80	57	74	46	37	32	-13.4%
Lignite and peat		84	77	43	62	59	63	6.3%
Petroleum products		224	191	-	227	310	264	-14.8%
Natural gas		121	145	161	239	183	212	16.1%
Renewables		118	176	192	111	129	119	-8.0%
Heat production and consumption								
Total heat production	TJ	3 002	2 814	3 002	2 990	3 268	3 457	5.8%
<i>among which: in heating plants</i>		608	629	712	731	741	735	-0.8%
Heat consumption		2 699	2 517	2 780	2 780	3 039	3 212	5.7%
<i>of which: in industry</i>		625	341	643	730	780	863	10.7%
<i>in households and services</i>		2 075	2 176	2 137	2 050	2 259	2 349	4.0%
<i>among which: in households</i>		1 286	1 340	1 323	1 276	1 382	1 433	3.7%

4.1 Crude oil and feedstocks


 eurostat		SUOMI/FINLAND						
		1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 t</i>								
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		10 129	11 931	11 378	11 834	11 095	11 896	7.2%
Total exports		-	-	-	-	-	-	-
Stock changes		92	134	-64	-329	-520	352	167.7%
Refinery intake		11 612	13 370	13 145	12 905	12 117	13 309	9.8%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		90	46	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-	-
Africa		-	-	-	-	-	-	-
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		-	-	-	-	-	-	-
Saudi Arabia		-	-	-	-	-	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		2 610	3 185	2 764	2 587	1 804	1 799	-0.3%
Refining capacity								
Capacity at the end of year	<i>1 000 t/year</i>	10 000	12 800	12 500	12 500	:	:	
<i>among which:</i>								
Cracking and others		5 800	6 330	6 510	6 510	:	:	
Reforming		2 100	2 000	2 170	2 170	:	:	

4.2 Petroleum products


 eurostat	SUOMI/FINLAND						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	11 542	13 266	12 962	12 776	11 943	13 198	10.5%
<i>among which:</i>							
Motor spirit	3 811	4 183	4 285	3 891	3 785	4 475	18.2%
Kerosene and jet fuel	593	804	986	765	441	659	49.4%
Naphtha	344	336	270	240	215	203	-5.6%
Gas/diesel oil	4 374	5 263	4 965	5 248	5 058	5 128	1.4%
Residual fuel oil	1 105	1 297	1 292	1 407	1 306	1 403	7.4%
Total imports	4 268	3 722	3 718	3 518	3 712	3 442	-7.3%
Total exports	4 091	4 655	4 931	4 947	4 815	5 254	9.1%
Bunkers	413	529	567	682	584	658	12.7%
Stock changes	147	105	216	-365	-97	260	368.0%
Gross inland consumption	-89	-1 262	-1 564	-2 476	-1 784	-2 210	-23.9%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	85	89	62	115	145	121	-16.6%
United Kingdom	209	240	97	80	113	145	28.3%
Norway	68	126	450	491	281	397	41.3%
OPEC	187	138	-	10	66	-	
Imports by product							
<i>among which:</i>							
Motor spirit	238	80	305	418	365	290	-20.5%
Kerosene and jet fuel	36	747	474	235	182	47	-74.2%
Gas/diesel oil	1 399	1 102	1 232	1 476	1 670	1 682	0.7%
Residual fuel oil	1 560	953	978	674	654	806	23.2%
Exports by product							
<i>among which:</i>							
Motor spirit	2 169	2 248	2 505	2 221	2 200	2 751	25.0%
Kerosene and jet fuel	200	284	492	294	123	174	41.5%
Gas/diesel oil	1 246	1 722	1 577	1 947	2 054	1 933	-5.9%
Residual fuel oil	42	-	-	123	79	28	-64.6%
Consumption							
Inputs to electricity plants	293	244	527	136	138	132	-4.3%
Inputs to heating plants	234	200	-	236	323	275	-14.9%
Non-energy use	1 334	1 463	948	871	1 038	913	-12.0%
Final energy consumption	7 394	7 598	7 673	7 729	7 557	7 877	4.2%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	206	152	248	435	381	407	6.8%
Residual fuel oil	753	885	905	870	629	776	23.4%

 eurostat	SUOMI/FINLAND							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry	358	399	413	415	285	347	21.8%	
Non-ferrous metals	21	26	25	17	13	7	-46.2%	
Chemical industry	130	127	280	84	40	96	140.0%	
Non-met. mineral prod.	90	98	98	76	61	87	42.6%	
Food, drink, tobacco	108	125	127	61	47	55	17.0%	
Pulp, paper and print	55	64	65	206	254	300	18.1%	
Engineering & metal	76	94	89	86	27	35	29.6%	
Other industries	177	139	205	520	342	351	2.6%	
Transport	4 075	4 129	4 228	4 223	4 308	4 370	1.4%	
<i>among which:</i>								
Motor spirit	1 874	1 846	1 840	1 775	1 812	1 830	1.0%	
Jet fuel	448	467	493	492	492	480	-2.4%	
Diesel oil	1 707	1 776	1 878	1 905	1 966	2 008	2.1%	
Services & households etc.	2 238	2 293	2 063	1 999	2 154	2 187	1.5%	
<i>among which:</i>								
Gas oil	1 956	2 007	1 875	1 722	1 769	1 714	-3.1%	
Residual fuel oil	264	268	166	203	335	350	4.5%	
Stocks at end of period								
Crude oil and feedstocks	1 228	1 094	858	1 035	1 415	1 063	-24.9%	
Petroleum products	2 268	2 163	1 284	2 293	2 368	2 119	-10.5%	


5. Natural gas

 eurostat	SUOMI/FINLAND								
	in TJ (GCV)		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply									
Primary production		-	-	-	-	-	-	-	-
Total imports		135 221	155 171	155 283	159 201	172 446	171 371	-0.6%	
Total exports		-	-	-	-	-	-	-	
Stock changes		-	-	-	-	-	-	-	
Gross inland consumption		135 221	155 171	155 283	159 201	172 446	171 371	-0.6%	
Imports									
Imports by origin									
<i>among which:</i>									
CIS		135 221	155 171	155 283	159 201	172 446	171 371	-0.6%	
Algeria		-	-	-	-	-	-	-	
Norway		-	-	-	-	-	-	-	
Consumption									
Inputs to electricity plants		65 954	76 955	77 441	89 867	102 863	101 279	-1.5%	
Inputs to heat plants		5 649	6 751	7 481	11 129	8 506	9 872	16.1%	
Consumption of energy branch		878	878	958	11 956	12 405	12 989	4.7%	
Distribution losses		-	-	-	-	-	-	-	
Non-energy use		1 476	1 436	1 277	1 558	1 516	1 875	23.7%	
Industry		58 790	66 398	65 023	41 366	43 646	41 822	-4.2%	
<i>among which:</i>									
Iron&steel industry		7 573	8 553	8 376	2 839	2 737	2 935	7.2%	
Non-ferrous metals		-	-	-	-	-	-	-	
Chemical industry		1 716	1 938	1 898	1 239	1 393	1 378	-1.1%	
Non-met. mineral prod.		6 090	6 878	6 736	3 073	2 406	2 394	-0.5%	
Food, drink, tobacco		1 825	2 061	2 019	1 800	2 265	1 898	-16.2%	
Pulp, paper and print		40 371	45 596	44 651	25 440	25 193	31 058	23.3%	
Engineering & metal		-	-	-	128	343	287	-16.3%	
Other industries		1 215	1 372	1 343	5 144	8 072	372	-95.4%	
Transport		-	-	-	53	80	120	50.0%	
Services & households etc.		2 953	2 793	3 032	2 873	3 112	3 334	7.1%	
<i>among which:</i>									
Households		867	900	1 024	971	1 044	1 211	16.0%	
Services		1 408	1 175	1 330	1 264	1 430	1 483	3.7%	


6.1 Hard coal


 eurostat	SUOMI/FINLAND							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	7 033	4 610	3 597	5 072	6 175	5 790	-6.2%	
Total exports	-	-	-	-	-	-	-	
Stock changes	-38	593	1 658	59	-53	827	1660.4%	
Gross inland consumption	6 995	5 203	5 255	5 131	6 122	6 617	8.1%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	596	419	312	360	238	223	-6.3%	
Poland	4 220	2 609	1 639	2 018	1 976	1 683	-14.8%	
CIS	1 277	806	1 482	2 541	2 892	2 664	-7.9%	
Australia	-	-	-	-	159	405	154.7%	
South Africa	310	99	131	-	-	66		
Colombia	461	186	-	-	-	134		
Consumption								
Inputs to electricity plants	5 307	3 415	3 372	3 428	4 240	4 940	16.5%	
Inputs to heat plants	132	94	121	76	60	52	-13.3%	
Consumption of energy branch	-	-	-	-	-	-	-	
Industry	318	412	491	342	401	359	-10.5%	
<i>among which:</i>								
Iron&steel industry	29	36	42	-	-	-	-	
Non-ferrous metals	-	-	-	-	-	-	-	
Chemical industry	28	37	44	72	82	74	-9.8%	
Non-met. mineral prod.	201	264	318	168	220	199	-9.5%	
Food, drink, tobacco	-	-	-	9	9	-	-	
Pulp, paper and print	-	-	-	-	-	-	-	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	60	75	87	-	-	-	-	
Services & households etc.	4	4	4	4	4	4	0.0%	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

	SUOMI/FINLAND						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	879	912	900	910	909	912	0.3%
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	10 374	1 675	8 068	4 860	6 699	8 733	30.4%
Brown coal briquettes	-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	7 621	7 771	7 721	8 148	7 778	8 048	3.5%
Blast-furnace gas	15 970	16 633	16 869	17 953	15 916	16 528	3.8%
Gasworks gas	-	-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	766	777	788	813	814	786	-3.4%
<i>among which:</i>							
Iron & steel industry	759	777	788	798	796	772	-3.0%
Services & households	-	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
<i>among which:</i>							
Services & households	-	-	-	-	-	-	-
Lignite and peat	1 273	1 958	1 483	1 250	1 523	1 436	-5.7%
<i>among which:</i>							
Industry	1 179	1 861	1 387	1 161	1 426	1 342	-5.9%
Services & households	94	97	96	89	97	94	-3.1%
Brown coal briquettes	-	-	-	-	-	-	-
<i>among which:</i>							
Industry	-	-	-	-	-	-	-
Services & households	-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	7 326	4 832	7 321	7 452	7 118	7 361	3.4%
Blast-furnace gas	11 943	10 629	10 796	10 832	9 165	9 539	4.1%
Gasworks gas	-	-	-	-	-	-	-
Inputs to electricity plants	4 322	6 496	6 473	7 817	6 568	6 799	3.5%
Inputs to heat plants	-	-	-	-	-	-	-
Consumption of energy branch	-	2 447	-	-	-	-	-
Consumption in industry	19 269	15 461	18 117	18 284	16 283	16 900	3.8%


7. Renewable energy sources

		SUOMI/FINLAND						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	6 752	7 257	7 261	7 803	7 574	7 808	3.1%
Hydro (excl. pumping)		1 053	1 294	1 099	1 261	1 135	927	-18.4%
Wind		1	2	4	7	6	6	-8.6%
Solar		0	0	0	0	0	0	120.0%
Geothermal		-	-	-	-	-	-	-
Biomass		5 698	5 960	6 158	6 536	6 433	6 876	6.9%
	<i>among which:</i>							
Wood, wood-waste		5 667	5 929	6 125	6 473	6 338	6 784	7.0%
Municipal solid waste		19	15	15	45	77	74	-3.6%
Biogas		12	16	18	18	18	17	-2.1%
Gross inland consumption		6 752	7 257	7 261	7 803	7 574	7 808	3.1%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		1 386	1 495	1 607	1 547	1 615	1 920	18.9%
	<i>among which:</i>							
Wood, wood-waste		1 363	1 472	1 589	1 508	1 545	1 852	19.9%
Municipal waste		19	15	15	32	63	60	-3.7%
Biogas		4	8	4	7	7	8	13.3%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	4 312	4 465	4 551	4 989	4 818	4 956	2.9%
	<i>by sector:</i>							
Industry		3 187	3 326	3 436	3 904	3 657	3 773	3.2%
Services & households etc.		1 125	1 140	1 114	1 085	1 161	1 183	1.9%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		4 312	4 465	4 550	4 989	4 818	4 955	2.9%
	<i>among which:</i>							
Wood, wood-waste		4 303	4 457	4 536	4 965	4 793	4 932	2.9%
Municipal waste		-	-	-	13	14	14	-3.3%
Biogas		8	8	14	11	10	9	-13.0%
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	-	-	-
Hydro with installed capacity < 1 MW		123	158	112	134	127	97	-23.6%
Hydro with installed capacity > 1 & <10 MW		880	1 170	885	1 058	1 031	756	-26.7%
Hydro with installed capacity > 10 MW		11 039	13 723	11 783	13 468	12 047	9 923	-17.6%
Wood, Wood-waste		6 941	7 492	8 341	8 476	8 189	9 496	16.0%
Municipal waste		6	7	-	59	200	215	7.5%
Biogas		24	30	22	22	22	29	31.8%

	SUOMI/FINLAND						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	-	-	-	-	3	3	0.0%
Hydro with installed capacity < 1 MW	30	30	30	29	29	29	0.0%
Hydro with installed capacity > 1 & <10 MW	274	274	274	279	280	280	0.0%
Hydro with installed capacity > 10 MW	2 557	2 577	2 577	2 574	2 586	2 655	2.7%
Wood, Wood-waste	1 100	1 100	1 200	1 300	1 500	1 500	0.0%
Municipal waste	-	-	-	-	-	-	-
Biogas	-	-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	7	8	8	8	8	8	0.0%

1. Energy economy

Key figures and energy indicators

		SVERIGE					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	32 170	33 178	33 257	30 144	33 685	31 825
Net energy imports		19 605	19 687	18 019	19 095	19 015	19 762
Net oil imports		16 599	17 614	15 749	15 654	16 500	16 240
Net gas imports		719	712	714	699	767	780
Gross inland energy consumption		50 271	50 699	50 812	47 863	51 453	51 465
Final energy consumption		34 143	34 215	34 065	34 534	33 134	33 565
Industry		13 114	13 037	13 043	13 611	12 544	13 248
Transport		7 687	7 779	7 997	8 118	8 565	8 037
Services and households etc.		13 342	13 398	13 026	12 805	12 025	12 279
Gross electricity generation	GWh	149 422	158 275	155 171	145 585	161 616	146 053
Final electricity consumption		125 361	126 439	126 580	128 725	132 673	131 555
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	196 831	204 007	213 347	222 578	224 635	229 349
Population	1000 per.	8 846	8 851	8 858	8 872	8 896	8 925
Industry added value	Mio EUR	55 193	58 417	62 734	67 343	66 467	68 634
Total imports (current prices)	Mio EUR	71 574	79 671	83 549	93 028	90 708	89 027
among which:							
All energy commodities		4 454	2 804	3 856	7 147	6 108	6 196
Oil products		4 043	2 480	3 408	6 436	5 407	5 215
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	255.4	248.5	238.2	215.0	229.1	224.4
Final energy consumption / GDP(95)		173.5	167.7	159.7	155.2	147.5	146.3
Energy intensity of industry:							
Final consumption / gross value-added mp		237.6	223.2	207.9	202.1	188.7	193.0
Energy intensity of service sector:							
Final consumption / gross value-added mp		38.6	37.9	38.3	36.3	30.8	30.8
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	5 683	5 728	5 736	5 395	5 784	5 766
Final energy consumption / capita		3 860	3 866	3 846	3 892	3 725	3 761
Household consumption / capita		929	922	867	850	842	854
Electricity consumption / capita	kWh/cap.	8 749	8 244	8 535	8 024	8 404	9 438
Energy dependency							
Net energy imports / Gross consumption	in %	38.0	37.7	34.4	38.8	36.0	37.5
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	67.9	67.5	67.0	72.2	64.4	65.2
Efficiency of thermal power stations		85.4	81.7	83.7	85.6	88.0	87.6

2. Energy balance

Principal aggregates by product

eurostat	SVERIGE						
	in 1 000 toe						
	1997	1998	1999	2000	2001	2002	02/01
Primary production							
Total	32 170	33 178	33 257	30 144	33 685	31 825	-5.5%
<i>among which:</i> Hard coal	-	-	-	-	-	-	-
Lignite and peat	275	342	249	231	272	342	25.9%
Crude oil	-	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-	-
Nuclear heat	18 038	18 554	18 879	14 781	18 601	17 432	-6.3%
Hydro-electricity	5 934	6 391	6 164	6 757	6 798	5 724	-15.8%
Biomass	7 901	7 859	7 929	8 330	7 967	8 268	3.8%
Imports							
Total	30 862	30 403	29 182	31 241	30 370	30 131	-0.8%
<i>among which:</i> Hard coal	2 262	2 079	2 019	2 137	2 117	1 907	-9.9%
Crude oil and feedstocks	20 510	20 275	19 721	20 938	20 030	18 594	-7.2%
Petroleum products	6 205	6 554	5 762	5 668	6 215	6 731	8.3%
Natural Gas	719	712	714	699	767	780	1.7%
Electricity	882	525	727	1 574	960	1 729	80.1%
Exports							
Total	11 257	10 716	11 163	12 146	11 355	10 368	-8.7%
<i>among which:</i> Crude oil and feedstocks	408	400	446	566	544	406	-25.4%
Petroleum products	9 708	8 815	9 289	10 386	9 200	8 680	-5.7%
Natural gas	-	-	-	-	-	-	-
Electricity	1 114	1 444	1 370	1 172	1 587	1 269	-20.0%
Gross inland consumption							
Total	50 271	50 699	50 812	47 863	51 453	51 465	0.0%
<i>among which:</i> Solid fuels	2 611	2 582	2 438	2 442	2 753	2 842	3.2%
Crude oil and petrol. prod.	15 279	15 411	15 197	14 382	15 119	15 874	5.0%
Natural gas	719	712	714	699	767	780	1.7%
Nuclear Energy	18 038	18 554	18 879	14 781	18 601	17 432	-6.3%
Renewables	13 857	14 282	14 129	15 132	14 813	14 050	-5.1%
Transformation input							
Total	46 059	46 493	46 794	42 467	46 426	44 334	-4.5%
<i>among which:</i> Crude oil and feedstocks	21 733	21 384	21 340	21 618	20 917	19 839	-5.2%
Petroleum products	993	1 099	907	521	726	806	11.1%
Hard coal	1 680	1 682	1 700	1 632	1 690	1 622	-4.1%
Lignite and peat	268	324	242	200	228	288	26.6%
Renewables	2 492	2 460	2 699	2 868	3 312	3 371	1.8%
Transformation output							
Total	33 518	33 523	33 770	32 301	32 564	30 373	-6.7%
<i>among which:</i> Electricity	6 888	7 194	7 144	5 719	7 055	6 782	-3.9%
Heat	3 781	3 867	3 982	3 777	4 157	4 198	1.0%

Final energy consumption

Total	34 143	34 215	34 065	34 534	33 134	33 565	1.3%
<i>among which:</i> Solid fuels	1 135	1 071	1 013	1 141	1 153	1 343	16.4%
Petroleum products	12 519	12 541	12 507	12 655	11 202	11 313	1.0%
Natural Gas	400	369	418	423	470	470	-0.1%
Renewables	5 409	5 399	5 230	5 462	4 655	4 897	5.2%
Electricity	10 779	10 872	10 884	11 068	11 408	11 312	-0.8%

Final energy consumption by sector
Industry

Total	13 114	13 037	13 043	13 611	12 544	13 248	5.6%
<i>among which:</i> Solid fuels	1 132	1 070	1 013	1 141	1 153	1 343	16.4%
Petroleum Products	2 041	2 066	1 980	1 909	1 479	2 051	38.6%
Natural Gas	280	237	286	289	334	338	1.1%
Renewables	4 430	4 424	4 386	4 833	4 061	4 020	-1.0%
Electricity	4 600	4 675	4 813	4 896	4 911	4 885	-0.5%


Transport

Total	7 687	7 779	7 997	8 118	8 565	8 037	-6.2%
<i>among which:</i> Motor spirit	4 341	4 226	4 246	4 185	4 167	4 300	3.2%
Diesel oil	2 194	2 398	2 519	2 692	3 155	2 647	-16.1%
Jet fuel	869	879	939	928	946	796	-15.9%
Electricity	254	240	259	275	246	247	0.2%


Services&households

Total	13 342	13 398	13 026	12 805	12 025	12 279	2.1%
<i>among which:</i> Solid fuels	3	1	-	-	-	-	-
Gas oil	2 705	2 615	2 468	2 778	1 320	1 350	2.2%
Natural Gas	120	132	131	134	127	128	0.5%
Renewables	979	975	844	629	594	877	47.7%
Electricity	5 925	5 956	5 812	5 898	6 250	6 180	-1.1%
Heat	3 233	3 358	3 411	3 206	3 602	3 582	-0.5%

3.1 Electricity balance

 eurostat	SVERIGE						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	149 422	158 275	155 171	145 585	161 616	146 053	-9.6%
<i>among which:</i>							
Hydro	69 056	74 378	71 713	78 619	79 082	66 565	-15.8%
Wind	203	316	371	457	482	609	26.3%
Geothermal	-	-	-	-	-	-	-
Nuclear	69 928	73 583	73 188	57 316	72 109	67 578	-6.3%
Conventional thermal	10 235	9 998	9 899	9 193	9 943	11 301	13.7%
<i>of which:</i>							
Hard coal	2 106	2 102	2 242	1 636	1 879	2 378	26.6%
Lignite and peat	-	-	-	-	-	-	-
Petroleum products	3 831	3 264	3 094	1 729	2 475	2 894	16.9%
Natural gas	610	431	398	462	361	546	51.2%
Derived gases	792	1 113	998	953	1 186	1 374	15.9%
Biomass	2 835	2 760	2 646	4 206	3 881	3 954	1.9%
Industrial wastes	61	328	521	207	161	155	-3.7%
Total net generation	143 169	153 788	150 783	141 873	157 636	143 254	-9.1%
Imports and exports							
Total imports	10 252	6 102	8 456	18 308	11 164	20 110	80.1%
Total exports	12 960	16 799	15 938	13 630	18 454	14 754	-20.0%
Consumption and losses							
Consumption of the energy branch	10 865	10 912	10 504	10 409	9 828	8 226	-16.3%
<i>of which:</i>							
Consumption for pumped-storage	19	17	10	14	10	51	410.0%
Network losses	10 430	10 935	10 570	11 094	11 803	11 628	-1.5%
Final energy consumption	125 361	126 439	126 580	128 725	132 673	131 555	-0.8%
<i>of which:</i>							
Industry	53 496	54 369	55 971	56 938	57 119	56 813	-0.5%
<i>among which:</i>							
Iron&steel industry	5 177	4 997	4 963	5 365	4 959	4 933	-0.5%
Non-ferrous metals	2 696	2 700	2 664	2 799	2 931	2 915	-0.5%
Chemical industry	4 896	5 988	5 998	5 423	5 543	5 513	-0.5%
Non-met. mineral prod.	1 123	1 115	1 127	1 174	1 441	1 433	-0.6%
Food, drink, tobacco	2 369	2 435	2 512	2 989	2 849	2 834	-0.5%
Pulp, paper and print	20 131	21 091	21 584	23 564	23 209	23 085	-0.5%
Engineering & metal	4 349	4 269	4 214	4 348	4 488	4 464	-0.5%
Other industries	9 829	8 929	10 122	8 375	8 730	8 683	-0.5%
Transport	2 955	2 796	3 016	3 194	2 862	2 868	0.2%
Services & households etc.	68 910	69 274	67 593	68 593	72 692	71 874	-1.1%
<i>among which:</i>							
Households	42 575	42 496	40 163	42 020	42 180	41 416	-1.8%

3.2 Electrical capacity, fuel inputs and heat


		SVERIGE						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	34 537	33 025	34 098	33 721	33 835	33 218	-1.8%
<i>by source:</i>								
Conventional thermal		7 869	6 508	7 375	7 526	7 536	6 853	-9.1%
<i>of which:</i>								
Steam		5 884	4 437	5 314	5 337	5 312	4 981	-6.2%
Gas turbine		1 905	1 904	1 812	1 932	1 932	1 678	-13.1%
Combined cycle		-	95	146	175	175	88	-49.7%
Internal combustion		80	72	103	82	117	106	-9.4%
Nuclear		10 083	10 083	10 076	9 461	9 436	9 452	0.2%
Hydro		16 462	16 260	16 451	16 525	16 568	16 568	0.0%
<i>among which:</i>								
Pumped storage		91	91	19	19	45	45	0.0%
Wind		123	174	196	209	295	345	16.9%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		33 025	32 082	33 065	32 714	32 824	32 224	-1.8%
Autoproducers		1 511	947	1 018	1 010	1 011	994	-1.7%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	3 215	3 454	3 424	3 146	3 515	3 925	11.7%
<i>among which:</i>								
Hard coal		464	442	432	361	306	385	25.8%
Lignite and peat		146	224	115	106	135	190	40.5%
Petroleum products		618	656	589	276	405	514	26.9%
Natural gas		252	256	222	184	215	238	10.2%
Renewables		1 548	1 587	1 777	1 996	2 190	2 332	6.5%
Heating plants		1 409	1 380	1 410	1 219	1 511	1 423	-5.8%
<i>among which:</i>								
Hard coal		18	2	3	1	1	1	-50.7%
Lignite and peat		122	100	126	95	93	98	6.1%
Petroleum products		279	354	242	176	236	214	-9.2%
Natural gas		38	48	75	71	57	66	15.9%
Renewables		944	873	922	872	1 122	1 039	-7.4%
Heat production and consumption								
Total heat production	TJ	3 781	3 867	3 982	3 777	4 157	4 198	1.0%
<i>among which: in heating plants</i>		1 910	1 910	1 968	1 874	1 918	1 733	-9.6%
Heat consumption		3 644	3 714	3 767	3 550	3 987	3 984	-0.1%
<i>of which: in industry</i>		410	356	356	344	385	401	4.3%
<i>in households and services</i>		3 233	3 358	3 411	3 206	3 602	3 582	-0.5%
<i>among which: in households</i>		2 125	2 195	2 233	2 081	2 362	2 404	1.8%

4.1 Crude oil and feedstocks


eurostat	in 1 000 t	SVERIGE						
		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production		-	-	-	-	-	-	-
Total imports		20 473	20 241	19 693	20 901	20 040	18 727	-6.6%
Total exports		402	394	439	558	536	400	-25.4%
Stock changes		-90	-125	30	-115	-177	401	326.6%
Refinery intake		21 683	21 335	21 294	21 569	20 918	19 968	-4.5%
Imports of Crude Oil by origin								
<i>by region of origin:</i>								
OPEC		4 635	4 979	3 938	3 892	5 341	3 231	-39.5%
Near and Middle East		3 388	3 523	3 019	2 596	4 227	1 979	-53.2%
Africa		135	464	34	296	279	237	-15.1%
<i>by country of origin:</i>								
Algeria		-	-	-	-	-	-	-
Nigeria		135	373	-	266	252	130	-48.4%
Saudi Arabia		2 013	1 648	1 065	832	1 146	-	-
Kuwait		-	-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-	-
Norway		8 818	9 775	10 459	9 601	9 143	6 169	-32.5%
Refining capacity								
Capacity at the end of year	1 000 t/year	20 100	19 200	19 200	19 200	:	:	
<i>among which:</i>								
Cracking and others		5 900	6 540	6 540	6 540	:	:	
Reforming		2 900	3 500	3 500	3 500	:	:	

4.2 Petroleum products


eurostat	SVERIGE							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Production and supply								
Total refinery output		21 405	21 001	21 160	21 368	19 846	17 942	-9.6%
<i>among which:</i>								
Motor spirit		4 571	4 336	4 303	4 394	4 020	3 987	-0.8%
Kerosene and jet fuel		150	101	72	112	143	57	-60.1%
Naphtha		1 452	1 613	1 847	1 320	1 026	1 027	0.1%
Gas/diesel oil		7 618	7 510	7 452	7 765	7 677	6 764	-11.9%
Residual fuel oil		6 230	5 959	5 673	6 403	5 519	4 669	-15.4%
Total imports		6 017	6 395	5 571	5 485	6 019	6 476	7.6%
Total exports		9 729	8 835	9 281	10 388	9 179	8 641	-5.9%
Bunkers		1 347	1 609	1 553	1 396	1 429	1 239	-13.3%
Stock changes		74	-556	951	190	175	411	134.9%
Gross inland consumption		-4 985	-4 605	-4 312	-6 109	-4 414	-2 993	32.2%
Imports and exports								
Imports by origin								
<i>among which:</i>								
Netherlands		172	88	63	76	42	6	-85.7%
United Kingdom		631	660	403	590	625	559	-10.6%
Norway		775	838	837	442	963	2 076	115.6%
OPEC		64	109	110	101	33	115	248.5%
Imports by product								
<i>among which:</i>								
Motor spirit		1 523	1 581	1 600	1 593	1 619	1 717	6.1%
Kerosene and jet fuel		754	673	694	754	839	519	-38.1%
Gas/diesel oil		1 334	1 631	1 548	1 282	1 267	1 909	50.7%
Residual fuel oil		686	923	475	519	715	544	-23.9%
Exports by product								
<i>among which:</i>								
Motor spirit		2 128	1 893	2 062	1 993	1 705	1 607	-5.7%
Kerosene and jet fuel		10	17	22	45	-	17	
Gas/diesel oil		3 497	3 198	3 651	3 859	3 771	3 574	-5.2%
Residual fuel oil		3 286	2 993	2 752	3 538	3 041	2 617	-13.9%
Consumption								
Inputs to electricity plants		642	678	609	285	419	532	27.0%
Inputs to heating plants		284	362	246	178	240	216	-10.0%
Non-energy use		1 887	1 643	1 697	1 441	1 915	1 975	3.1%
Final energy consumption		12 236	12 254	12 223	12 361	10 933	11 028	0.9%
Industry								
<i>among which by product:</i>								
Gas/diesel oil		439	418	425	429	273	451	65.2%
Residual fuel oil		951	900	899	858	893	1 012	13.3%

 eurostat	SVERIGE						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Industry							
<i>among which by sector:</i>							
Iron&steel industry	301	315	309	301	303	347	14.5%
Non-ferrous metals	26	27	28	36	23	18	-21.7%
Chemical industry	305	366	311	308	84	294	250.0%
Non-met. mineral prod.	138	146	171	174	130	178	36.9%
Food, drink, tobacco	194	184	180	133	150	176	17.3%
Pulp, paper and print	553	507	500	500	485	552	13.8%
Engineering & metal	209	200	181	152	149	199	33.6%
Other industries	205	192	185	224	65	174	167.7%
Transport	7 179	7 288	7 483	7 590	8 052	7 531	-6.5%
<i>among which:</i>							
Motor spirit	4 131	4 021	4 040	3 982	3 965	4 092	3.2%
Jet fuel	846	856	914	904	921	775	-15.9%
Diesel oil	2 172	2 374	2 493	2 665	3 123	2 620	-16.1%
Services & households etc.	3 028	2 919	2 773	2 874	1 396	1 462	4.7%
<i>among which:</i>							
Gas oil	2 677	2 588	2 443	2 750	1 307	1 336	2.2%
Residual fuel oil	318	298	289	83	35	82	134.3%
Stocks at end of period							
Crude oil and feedstocks	1 267	1 392	1 362	1 474	1 611	1 263	-21.6%
Petroleum products	4 218	4 774	3 823	3 719	3 108	3 408	9.7%


5. Natural gas

 eurostat	SVERIGE								
	in TJ (GCV)		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply									
Primary production		-	-	-	-	-	-	-	-
Total imports		33 439	33 127	33 205	32 508	35 685	36 306	1.7%	
Total exports		-	-	-	-	-	-	-	
Stock changes		-	-	-	-	-	-	-	
Gross inland consumption		33 439	33 127	33 205	32 508	35 685	36 306	1.7%	
Imports									
Imports by origin									
<i>among which:</i>									
CIS		-	-	-	-	-	-	-	
Algeria		-	-	-	-	-	-	-	
Norway		-	-	-	-	-	-	-	
Consumption									
Inputs to electricity plants		11 741	11 892	10 324	8 572	10 025	11 049	10.2%	
Inputs to heat plants		1 788	2 255	3 475	3 299	2 644	3 065	15.9%	
Consumption of energy branch		117	116	-	-	-	51		
Distribution losses		-	-	-	-	-	-	-	
Non-energy use		-	-	-	-	-	-	-	
Industry		13 026	11 043	13 324	13 440	15 536	15 704	1.1%	
<i>among which:</i>									
Iron&steel industry		894	778	894	335	879	1 073	22.1%	
Non-ferrous metals		389	311	311	377	335	289	-13.7%	
Chemical industry		2 605	2 294	2 216	3 810	3 977	4 367	9.8%	
Non-met. mineral prod.		1 011	894	894	1 089	2 345	2 560	9.2%	
Food, drink, tobacco		4 044	3 655	4 821	4 564	4 773	4 760	-0.3%	
Pulp, paper and print		2 177	1 439	2 294	1 800	2 010	2 154	7.2%	
Engineering & metal		1 206	894	785	460	460	-		
Other industries		544	622	972	879	631	445	-29.5%	
Transport		-	-	-	-	443	229	-48.3%	
Services & households etc.		5 598	6 143	6 104	6 237	5 904	5 933	0.5%	
<i>among which:</i>									
Households		2 138	3 421	4 160	3 351	3 898	2 029	-47.9%	
Services		3 460	2 722	1 944	2 886	2 006	3 904	94.6%	


6.1 Hard coal


 eurostat	SVERIGE							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	-	-	-	-	-	-	-	-
Total imports	3 340	3 069	2 930	3 092	3 064	2 760	-9.9%	
Total exports	2	2	2	2	2	2	0.0%	
Stock changes	-215	-78	-69	-229	209	263	25.8%	
Gross inland consumption	3 123	2 989	2 859	2 861	3 271	3 021	-7.6%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	915	832	548	595	487	319	-34.5%	
Poland	1 062	787	894	698	280	358	27.9%	
CIS	267	183	188	321	345	474	37.4%	
Australia	798	851	1 009	1 073	1 167	1 085	-7.0%	
South Africa	-	-	-	-	-	-	-	
Colombia	-	-	115	120	166	83	-50.0%	
Consumption								
Inputs to electricity plants	696	702	600	501	506	579	14.4%	
Inputs to heat plants	29	4	5	1	2	1	-50.0%	
Consumption of energy branch	-	-	-	-	-	-	-	
Industry	763	724	656	767	872	930	6.7%	
<i>among which:</i>								
Iron&steel industry	285	288	307	313	483	507	5.0%	
Non-ferrous metals	54	57	57	65	56	58	3.6%	
Chemical industry	-	-	-	-	-	-	-	
Non-met. mineral prod.	255	244	179	252	252	240	-4.8%	
Food, drink, tobacco	21	19	21	19	-	-	-	
Pulp, paper and print	37	29	30	31	15	15	0.0%	
Engineering & metal	-	-	-	-	-	-	-	
Other industries	-	-	1	2	-	-	-	
Services & households etc.	2	2	-	-	-	-	-	
Structural data								
Personnel employed underground (annual mean in 1000's)	-	-	-	-	-	-	-	
Number of active hard coal mines (end of year)	-	-	-	-	-	-	-	

6.2 Coal derivatives and peat

	SVERIGE						
	1997	1998	1999	2000	2001	2002	02/01
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke	1 160	1 148	1 145	1 146	1 148	1 074	-6.4%
Patent Fuel	-	-	-	-	-	-	-
Lignite and peat	921	1 145	835	773	910	1 146	25.9%
Brown coal briquettes	-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	9 137	9 087	10 021	9 684	10 331	9 953	-3.7%
Blast-furnace gas	15 203	16 192	16 712	15 010	17 114	16 567	-3.2%
Gasworks gas	1 971	2 077	2 003	1 875	1 948	1 893	-2.8%
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke	928	866	856	947	854	1 082	26.7%
<i>among which:</i>							
Iron & steel industry	863	796	784	873	788	1 013	28.6%
Services & households	2	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-	-
<i>among which:</i>							
Services & households	-	-	-	-	-	-	-
Lignite and peat	26	22	26	10	33	26	-21.2%
<i>among which:</i>							
Industry	26	22	26	10	33	26	-21.2%
Services & households	-	-	-	-	-	-	-
Brown coal briquettes	4	14	5	3	8	6	-25.0%
<i>among which:</i>							
Industry	4	14	5	3	8	6	-25.0%
Services & households	-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas	4 304	4 066	4 524	4 395	4 309	4 382	1.7%
Blast-furnace gas	5 106	4 855	4 417	4 207	5 175	4 702	-9.1%
Gasworks gas	1 801	1 892	1 840	1 599	1 720	1 600	-7.0%
Inputs to electricity plants	7 879	8 897	9 727	8 378	9 974	10 201	2.3%
Inputs to heat plants	331	148	132	192	113	188	66.4%
Consumption of energy branch	4 354	4 484	4 995	4 794	4 933	4 412	-10.6%
Consumption in industry	9 711	9 172	9 226	8 801	9 688	9 284	-4.2%


7. Renewable energy sources

		SVERIGE						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	13 857	14 282	14 129	15 132	14 813	14 050	-5.1%
Hydro (excl. pumping)		5 934	6 391	6 164	6 757	6 798	5 724	-15.8%
Wind		18	27	31	39	41	52	26.3%
Solar		4	5	5	5	6	6	2.7%
Geothermal		-	-	-	-	-	-	-
Biomass		7 901	7 859	7 929	8 330	7 967	8 268	3.8%
	<i>among which:</i>							
Wood, wood-waste		7 353	7 340	7 406	7 733	7 347	7 672	4.4%
Municipal solid waste		424	416	421	498	495	478	-3.5%
Biogas		124	103	102	99	125	119	-5.2%
Gross inland consumption		13 857	14 282	14 129	15 132	14 813	14 050	-5.1%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		2 492	2 460	2 699	2 868	3 312	3 371	1.8%
	<i>among which:</i>							
Wood, wood-waste		1 944	1 941	2 176	2 271	2 692	2 775	3.1%
Municipal waste		424	416	421	498	495	478	-3.5%
Biogas		124	103	102	99	125	119	-5.2%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	5 413	5 404	5 235	5 467	4 661	4 903	5.2%
	<i>by sector:</i>							
Industry		4 430	4 424	4 386	4 833	4 061	4 020	-1.0%
Services & households etc.		983	980	849	634	600	883	47.2%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		5 409	5 399	5 230	5 462	4 655	4 897	5.2%
	<i>among which:</i>							
Wood, wood-waste		5 409	5 399	5 230	5 462	4 655	4 897	5.2%
Municipal waste		-	-	-	-	-	-	-
Biogas		-	-	-	-	-	-	-
Geothermal		-	-	-	-	-	-	-
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	-	-	1	1	0.0%
Hydro with installed capacity < 1 MW		1 786	859	664	753	612	602	-1.6%
Hydro with installed capacity > 1 & <10 MW		2 582	3 589	3 291	3 427	3 195	2 668	-16.5%
Hydro with installed capacity > 10 MW		64 560	69 894	67 735	74 404	75 338	63 258	-16.0%
Wood, Wood-waste		2 685	2 573	2 507	3 943	3 635	3 618	-0.5%
Municipal waste		104	183	130	231	225	280	24.4%
Biogas		46	21	9	32	21	56	166.7%

	SVERIGE						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	2	2	3	3	1	1	0.0%
Hydro with installed capacity < 1 MW	209	171	168	178	174	169	-2.9%
Hydro with installed capacity > 1 & <10 MW	760	765	775	741	881	803	-8.9%
Hydro with installed capacity > 10 MW	15 416	15 483	15 470	15 587	15 468	15 399	-0.4%
Wood, Wood-waste	1 331	1 331	1 490	1 490	1 778	1 670	-6.1%
Municipal waste	73	73	77	77	171	170	-0.6%
Biogas	-	-	18	18	19	20	5.3%
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	173	181	185	207	229	250	9.2%

1. Energy economy

Key figures and energy indicators

		UNITED KINGDOM					
		1997	1998	1999	2000	2001	2002
Energy statistics							
Primary energy production	1000 toe	261 484	268 787	276 823	268 299	257 986	253 933
Net energy imports		-34 413	-36 385	-46 945	-39 031	-21 320	-28 947
Net oil imports		-48 055	-50 264	-55 324	-45 515	-35 630	-40 132
Net gas imports		-588	-1 627	-5 539	-9 310	-8 340	-6 983
Gross inland energy consumption		222 693	230 304	228 717	230 416	231 962	224 140
Final energy consumption		147 536	148 443	150 917	150 821	152 833	148 980
Industry		36 306	35 207	36 136	35 319	36 244	35 017
Transport		49 445	50 045	51 822	52 066	51 087	50 972
Services and households etc.		61 786	63 191	62 959	63 436	65 502	62 990
Gross electricity generation	GWh	345 378	362 015	368 363	377 309	384 682	387 109
Final electricity consumption		309 252	315 644	322 770	329 533	332 995	332 749
Socio-economic statistics							
Gross domestic product	Mio EUR 1995	920 406	949 118	975 680	1 012 536	1 034 144	1 051 071
Population	1000 per.	58 997	59 240	59 507	59 743	59 501	59 234
Industry added value	Mio EUR	254 954	257 618	260 314	264 980	262 984	260 428
Total imports (current prices)	Mio EUR	300 789	328 620	354 544	386 887	405 787	422 238
among which:							
All energy commodities		9 354	6 966	7 960	15 710	16 265	15 139
Oil products		7 448	5 218	6 295	13 467	13 540	12 815
Energy intensity							
Gross inland consumption / GDP(95)	kgoe/1 000 EUR	242.0	242.7	234.4	227.6	224.3	213.2
Final energy consumption / GDP(95)		160.3	156.4	154.7	149.0	147.8	141.7
Energy intensity of industry:							
Final consumption / gross value-added mp		142.4	136.7	138.8	133.3	137.8	134.5
Energy intensity of service sector:							
Final consumption / gross value-added mp		33.0	31.5	30.9	29.3	29.5	26.1
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 775	3 888	3 844	3 857	3 898	3 784
Final energy consumption / capita		2 501	2 506	2 536	2 525	2 569	2 515
Household consumption / capita		702	722	712	721	749	744
Electricity consumption / capita	kWh/cap.	6 029	6 191	6 276	6 407	6 516	6 531
Energy dependency							
Net energy imports / Gross consumption	in %	-15.3	-15.6	-20.3	-16.8	-9.1	-12.8
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	66.3	64.5	66.0	65.5	65.9	66.5
Efficiency of thermal power stations		41.8	40.6	44.2	43.9	43.2	44.3

2. Energy balance

Principal aggregates by product

eurostat	UNITED KINGDOM						
	1997	1998	1999	2000	2001	2002	02/01
<i>in 1 000 toe</i>							
Primary production							
Total	261 484	268 787	276 823	268 299	257 986	253 933	-1.6%
<i>among which:</i> Hard coal	28 678	25 155	21 533	18 221	18 708	17 547	-6.2%
Lignite and peat	-	-	-	-	-	-	-
Crude oil	130 229	134 373	139 150	127 882	118 245	117 602	-0.5%
Natural Gas	77 258	81 131	89 161	97 654	95 257	93 259	-2.1%
Nuclear heat	23 248	25 831	24 540	21 942	23 182	22 711	-2.0%
Hydro-electricity	355	450	461	437	349	411	18.0%
Biomass	1 652	1 763	1 897	2 069	2 148	2 276	6.0%
Imports							
Total	75 841	77 360	75 166	87 767	97 178	94 293	-3.0%
<i>among which:</i> Hard coal	13 228	14 804	13 053	14 946	22 307	17 910	-19.7%
Crude oil and feedstocks	50 768	48 683	45 563	55 104	54 278	57 504	5.9%
Petroleum products	8 724	11 395	14 011	14 134	17 207	13 234	-23.1%
Natural Gas	1 088	819	995	2 015	2 358	4 681	98.6%
Electricity	1 429	1 086	1 247	1 230	917	790	-13.9%
Exports							
Total	110 254	113 745	122 111	126 797	118 497	123 240	4.0%
<i>among which:</i> Crude oil and feedstocks	80 634	85 894	93 171	94 129	88 089	88 056	0.0%
Petroleum products	26 913	24 448	21 728	20 624	19 025	22 814	19.9%
Natural gas	1 677	2 446	6 534	11 325	10 697	11 665	9.0%
Electricity	4	14	23	12	23	66	190.9%
Gross inland consumption							
Total	222 693	230 304	228 717	230 416	231 962	224 140	-3.4%
<i>among which:</i> Solid fuels	39 974	41 169	34 216	35 722	39 059	35 662	-8.7%
Crude oil and petrol. prod.	79 751	80 555	82 102	81 399	79 331	76 489	-3.6%
Natural gas	76 179	79 342	84 160	87 500	86 866	85 707	-1.3%
Nuclear Energy	23 248	25 831	24 540	21 942	23 182	22 711	-2.0%
Renewables	2 071	2 296	2 438	2 599	2 594	2 813	8.4%
Transformation input							
Total	179 685	183 503	176 089	177 898	174 685	173 656	-0.6%
<i>among which:</i> Crude oil and feedstocks	98 665	95 351	89 739	89 299	84 472	86 615	2.5%
Petroleum products	1 611	1 067	646	1 471	1 604	935	-41.7%
Hard coal	33 698	36 966	30 673	33 886	36 031	33 043	-8.3%
Lignite and peat	-	-	-	-	-	-	-
Renewables	794	972	1 273	1 515	1 587	1 708	7.6%
Transformation output							
Total	135 042	132 853	128 503	128 958	124 257	125 928	1.3%
<i>among which:</i> Electricity	29 157	30 462	30 890	31 692	32 443	32 538	0.3%
Heat	-	-	2 498	2 515	2 330	1 889	-19.0%

Final energy consumption

Total	147 536	148 443	150 917	150 821	152 833	148 980	-2.5%
<i>among which:</i> Solid fuels	7 842	7 245	6 495	5 029	5 872	4 838	-17.6%
Petroleum products	61 590	61 690	63 107	62 480	62 408	61 801	-1.0%
Natural Gas	48 745	50 270	49 633	51 115	52 224	50 623	-3.1%
Renewables	858	791	624	553	559	568	1.7%
Electricity	26 591	27 140	27 753	28 335	28 632	28 611	-0.1%

Final energy consumption by sector
Industry

Total	36 306	35 207	36 136	35 319	36 244	35 017	-3.4%
<i>among which:</i> Solid fuels	5 114	4 639	4 367	3 400	4 072	3 327	-18.3%
Petroleum Products	6 529	6 157	6 423	6 019	6 439	6 489	0.8%
Natural Gas	13 279	13 626	13 683	14 063	14 153	13 661	-3.5%
Renewables	519	450	280	210	211	211	0.1%
Electricity	9 006	9 075	9 532	9 780	9 605	9 606	0.0%


Transport

Total	49 445	50 045	51 822	52 066	51 087	50 972	-0.2%
<i>among which:</i> Motor spirit	23 422	22 996	23 792	22 757	22 060	21 601	-2.1%
Diesel oil	16 645	16 768	17 031	17 358	17 622	18 112	2.8%
Jet fuel	8 587	9 456	10 186	11 140	10 557	10 402	-1.5%
Electricity	667	720	736	747	760	729	-4.0%


Services&households

Total	61 786	63 191	62 959	63 436	65 502	62 990	-3.8%
<i>among which:</i> Solid fuels	2 729	2 606	2 127	1 628	1 799	1 511	-16.0%
Gas oil	2 720	2 603	2 290	2 136	1 845	1 614	-12.5%
Natural Gas	35 467	36 644	35 950	37 052	38 070	36 962	-2.9%
Renewables	338	341	343	344	348	357	2.6%
Electricity	16 917	17 345	17 485	17 808	18 268	18 276	0.0%
Heat	-	-	1 412	1 416	1 326	763	-42.4%


3.1 Electricity balance

 eurostat	UNITED KINGDOM						
	in GWh						
	1997	1998	1999	2000	2001	2002	02/01
Generation							
Total gross generation	345 378	362 015	368 363	377 309	384 682	387 109	0.6%
<i>among which:</i>							
Hydro	5 613	6 861	8 263	7 780	6 411	7 437	16.0%
Wind	665	877	850	946	965	1 256	30.2%
Geothermal	-	-	-	-	-	-	-
Nuclear	98 146	100 140	95 133	85 063	89 870	88 043	-2.0%
Conventional thermal	240 954	254 137	264 117	283 520	287 436	290 373	1.0%
<i>of which:</i>							
Hard coal	119 793	122 862	106 112	119 960	131 466	124 308	-5.4%
Lignite and peat	-	-	-	-	-	-	-
Petroleum products	8 056	6 489	5 685	8 548	7 232	6 934	-4.1%
Natural gas	107 457	117 124	143 052	148 237	141 990	152 149	7.2%
Derived gases	3 062	4 423	5 289	2 352	1 692	1 614	-4.6%
Biomass	2 250	2 917	3 979	4 349	4 984	5 285	6.0%
Industrial wastes	336	322	-	74	72	83	15.3%
Total net generation	329 080	344 329	351 670	360 975	367 567	369 748	0.6%
Imports and exports							
Total imports	16 615	12 630	14 507	14 308	10 663	9 182	-13.9%
Total exports	41	162	263	134	264	768	190.9%
Consumption and losses							
Consumption of the energy branch	25 524	28 053	27 147	28 015	27 751	29 223	5.3%
<i>of which:</i>							
Consumption for pumped-storage	991	970	872	805	854	811	-5.0%
Network losses	25 691	29 162	29 789	31 241	31 980	30 902	-3.4%
Final energy consumption	309 252	315 644	322 770	329 533	332 995	332 749	-0.1%
<i>of which:</i>							
Industry	104 744	105 547	110 856	113 741	111 709	111 720	0.0%
<i>among which:</i>							
Iron&steel industry	10 355	9 699	9 779	9 898	8 428	6 353	-24.6%
Non-ferrous metals	5 281	5 698	5 895	6 012	7 172	6 309	-12.0%
Chemical industry	18 967	19 493	21 348	22 947	20 830	22 284	7.0%
Non-met. mineral prod.	7 257	7 051	7 265	7 414	7 186	6 997	-2.6%
Food, drink, tobacco	11 564	11 765	12 617	12 003	11 120	12 186	9.6%
Pulp, paper and print	9 850	10 651	11 068	11 345	11 216	11 744	4.7%
Engineering & metal	19 957	20 143	20 429	21 105	19 265	19 741	2.5%
Other industries	17 775	17 381	18 704	19 108	23 286	22 692	-2.6%
Transport	7 760	8 372	8 558	8 684	8 834	8 480	-4.0%
Services & households etc.	196 748	201 725	203 356	207 108	212 452	212 549	0.0%
<i>among which:</i>							
Households	104 455	109 610	110 308	111 842	115 336	114 534	-0.7%


3.2 Electrical capacity, fuel inputs and heat


		UNITED KINGDOM						
		1997	1998	1999	2000	2001	2002	02/01
Net electrical capacity								
Total installed capacity	MW	72 779	73 345	75 611	78 569	79 729	77 060	-3.3%
<i>by source:</i>								
Conventional thermal		55 235	55 795	58 033	61 398	62 520	59 662	-4.6%
<i>of which:</i>								
Steam		40 181	38 327	37 990	37 273	37 218	34 381	-7.6%
Gas turbine		2 186	1 492	2 017	2 026	2 010	2 089	3.9%
Combined cycle		12 575	15 418	17 058	21 138	22 294	22 089	-0.9%
Internal combustion		183	156	171	176	172	157	-8.7%
Nuclear		12 946	12 956	12 956	12 486	12 486	12 486	0.0%
Hydro		4 276	4 263	4 265	4 273	4 296	4 378	1.9%
<i>among which:</i>								
Pumped storage		2 788	2 788	2 788	2 788	2 788	2 788	0.0%
Wind		322	331	357	412	427	534	25.1%
Geothermal		-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-
<i>by producer type:</i>								
Public system		68 288	68 390	70 057	72 030	73 219	70 521	-3.7%
Autoproducers		4 497	4 763	5 349	6 541	6 269	6 149	-1.9%
Fuel consumption in electricity and heat production								
Conventional thermal power plants	1 000 toe	49 525	53 795	51 350	55 481	57 228	56 366	-1.5%
<i>among which:</i>								
Hard coal		27 280	30 205	24 224	27 234	30 184	28 188	-6.6%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		1 611	1 067	646	806	962	701	-27.1%
Natural gas		19 488	20 719	24 415	25 137	23 980	25 261	5.3%
Renewables		794	972	1 169	1 410	1 516	1 637	8.0%
Heating plants		-	-	2 820	3 511	3 135	2 453	-21.7%
<i>among which:</i>								
Hard coal		-	-	459	505	456	472	3.6%
Lignite and peat		-	-	-	-	-	-	-
Petroleum products		-	-	-	665	642	233	-63.6%
Natural gas		-	-	2 026	2 043	1 774	1 521	-14.2%
Renewables		-	-	104	105	71	71	0.0%
Heat production and consumption								
Total heat production	TJ	-	-	2 498	2 515	2 330	1 889	-19.0%
<i>among which: in heating plants</i>								
		-	-	2 498	2 515	2 330	1 889	-19.0%
Heat consumption		-	-	2 498	2 515	2 328	1 883	-19.1%
<i>of which: in industry</i>								
		-	-	1 086	1 099	1 001	1 120	11.8%
<i>in households and services</i>								
		-	-	1 412	1 416	1 326	763	-42.4%
<i>among which: in households</i>								
		-	-	44	44	32	12	-63.3%

4.1 Crude oil and feedstocks


 eurostat	UNITED KINGDOM								
	<i>in 1 000 t</i>		1997	1998	1999	2000	2001	2002	02/01
Primary production and supply									
Primary production		128 234	132 367	137 099	126 245	116 679	115 944	-0.6%	
Total imports		49 994	47 957	44 891	54 387	53 551	56 689	5.9%	
Total exports		79 399	84 612	91 797	92 918	86 918	86 812	-0.1%	
Stock changes		-207	-593	-198	1 098	-614	142	123.1%	
Refinery intake		97 157	93 928	88 415	88 144	83 343	85 389	2.5%	
Imports of Crude Oil by origin									
<i>by region of origin:</i>									
OPEC		6 642	7 079	4 145	4 050	3 672	4 490	22.3%	
Near and Middle East		2 955	4 872	1 587	2 365	2 022	2 991	47.9%	
Africa		697	1 105	2 411	2 454	1 526	1 283	-15.9%	
<i>by country of origin:</i>									
Algeria		483	527	878	564	888	1 027	15.7%	
Nigeria		214	538	460	-	116	-		
Saudi Arabia		2 955	3 173	698	2 053	1 531	2 041	33.3%	
Kuwait		1 544	898	-	-	-	-	-	
United Arab Emirates		-	65	-	-	-	-	-	
Norway		29 734	28 014	25 716	32 179	27 972	29 535	5.6%	
Refining capacity									
Capacity at the end of year	<i>1 000 t/year</i>	90 900	92 010	88 520	88 820	:	:		
<i>among which:</i>									
Cracking and others		37 000	42 380	40 820	45 470	:	:		
Reforming		14 300	14 410	13 080	12 910	:	:		

4.2 Petroleum products


 eurostat	UNITED KINGDOM						
	in 1 000 t						
	1997	1998	1999	2000	2001	2002	02/01
Production and supply							
Total refinery output	96 756	93 564	86 734	86 341	82 092	84 999	3.5%
<i>among which:</i>							
Motor spirit	28 260	27 392	25 246	23 470	21 556	23 206	7.7%
Kerosene and jet fuel	11 678	11 413	10 802	9 562	8 998	8 947	-0.6%
Naphtha	2 871	2 352	2 451	3 099	3 463	3 120	-9.9%
Gas/diesel oil	28 830	27 934	25 869	28 298	26 796	28 529	6.5%
Residual fuel oil	14 062	13 476	12 195	11 621	11 912	10 427	-12.5%
Total imports	8 888	11 373	13 896	14 212	16 978	13 177	-22.4%
Total exports	26 740	24 332	21 655	20 677	19 088	22 829	19.6%
Bunkers	2 962	3 080	2 330	2 079	2 218	2 419	9.1%
Stock changes	521	-94	573	-336	-598	1 237	306.9%
Gross inland consumption	-20 293	-16 133	-9 516	-8 880	-4 926	-10 834	-119.9%
Imports and exports							
Imports by origin							
<i>among which:</i>							
Netherlands	704	885	1 167	1 666	1 338	530	-60.4%
United Kingdom	-	-	-	-	-	-	-
Norway	-	1 591	2 175	2 094	564	164	-70.9%
OPEC	1 205	1 886	1 699	3 001	4 378	2 694	-38.5%
Imports by product							
<i>among which:</i>							
Motor spirit	1 427	2 019	2 508	2 459	3 618	2 190	-39.5%
Kerosene and jet fuel	1 543	2 791	3 157	4 761	6 320	5 304	-16.1%
Gas/diesel oil	1 866	3 467	5 425	3 815	4 098	3 095	-24.5%
Residual fuel oil	1 212	791	655	596	1 011	857	-15.2%
Exports by product							
<i>among which:</i>							
Motor spirit	8 603	7 959	6 330	4 708	4 453	5 740	28.9%
Kerosene and jet fuel	1 219	1 096	992	686	623	1 059	70.0%
Gas/diesel oil	6 586	6 199	6 668	6 416	5 287	6 550	23.9%
Residual fuel oil	6 862	5 834	4 928	5 360	5 441	5 270	-3.1%
Consumption							
Inputs to electricity plants	1 688	1 109	671	834	955	678	-29.0%
Inputs to heating plants	-	-	-	694	670	243	-63.7%
Non-energy use	10 954	10 723	10 734	10 064	8 844	9 543	7.9%
Final energy consumption	59 895	59 963	61 323	60 669	60 624	60 079	-0.9%
Industry							
<i>among which by product:</i>							
Gas/diesel oil	2 921	2 992	2 886	2 988	3 510	3 492	-0.5%
Residual fuel oil	1 786	1 318	1 314	720	905	1 153	27.4%

 eurostat	UNITED KINGDOM							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Industry								
<i>among which by sector:</i>								
Iron&steel industry	677	480	490	391	352	355	0.9%	
Non-ferrous metals	50	39	38	38	74	80	8.1%	
Chemical industry	532	464	310	272	316	312	-1.3%	
Non-met. mineral prod.	242	224	212	242	268	244	-9.0%	
Food, drink, tobacco	457	393	371	205	257	309	20.2%	
Pulp, paper and print	120	115	99	41	79	109	38.0%	
Engineering & metal	547	459	426	379	468	537	14.7%	
Other industries	3 434	3 493	3 931	3 849	3 958	3 876	-2.1%	
Transport	47 252	47 795	49 494	49 746	48 797	48 731	-0.1%	
<i>among which:</i>								
Motor spirit	22 287	21 882	22 639	21 654	20 991	20 554	-2.1%	
Jet fuel	8 361	9 207	9 918	10 847	10 279	10 128	-1.5%	
Diesel oil	16 475	16 597	16 857	17 181	17 442	17 927	2.8%	
Services & households etc.	6 184	6 100	5 505	5 030	5 469	4 944	-9.6%	
<i>among which:</i>								
Gas oil	2 692	2 576	2 267	2 114	1 826	1 598	-12.5%	
Residual fuel oil	630	497	541	122	101	170	68.3%	
Stocks at end of period								
Crude oil and feedstocks	7 230	7 823	8 021	6 923	7 537	7 389	-2.0%	
Petroleum products	7 441	7 535	6 962	7 294	7 939	6 704	-15.6%	


5. Natural gas

 eurostat	UNITED KINGDOM							
	in TJ (GCV)		1997	1998	1999	2000	2001	2002
Primary production and supply								
Primary production		3 594 050	3 774 202	4 147 772	4 542 870	4 431 339	4 338 414	-2.1%
Total imports		50 623	38 095	46 303	93 716	109 673	217 770	98.6%
Total exports		77 998	113 775	303 960	526 833	497 640	542 634	9.0%
Stock changes		-22 820	-7 542	25 002	-39 265	-2 380	-26 481	-1012.6%
Gross inland consumption		3 543 855	3 690 980	3 915 117	4 070 488	4 040 992	3 987 069	-1.3%
Imports								
Imports by origin								
<i>among which:</i>								
CIS		-	-	-	-	-	-	-
Algeria		-	-	-	-	-	-	-
Norway		50 623	33 748	21 038	40 623	45 841	136 381	197.5%
Consumption								
Inputs to electricity plants		906 559	963 839	1 135 775	1 169 383	1 115 546	1 175 143	5.3%
Inputs to heat plants		-	-	94 267	95 021	82 505	70 754	-14.2%
Consumption of energy branch		243 368	273 575	277 103	283 648	329 236	328 196	-0.3%
Distribution losses		77 724	58 514	52 841	73 447	35 118	34 798	-0.9%
Non-energy use		39 312	43 117	46 598	51 415	39 200	16 063	-59.0%
Industry		617 726	633 902	636 535	654 217	658 411	635 502	-3.5%
<i>among which:</i>								
Iron&steel industry		74 077	72 378	77 839	76 025	75 488	70 319	-6.8%
Non-ferrous metals		16 661	19 915	19 976	20 765	18 781	17 806	-5.2%
Chemical industry		171 526	166 990	168 451	174 899	174 629	171 832	-1.6%
Non-met. mineral prod.		52 531	52 880	52 319	53 705	49 637	45 529	-8.3%
Food, drink, tobacco		95 134	98 168	100 444	109 163	98 788	97 938	-0.9%
Pulp, paper and print		49 540	51 268	45 115	40 594	56 560	52 398	-7.4%
Engineering & metal		78 715	85 690	89 029	92 469	86 976	83 736	-3.7%
Other industries		55 256	60 448	58 284	59 781	70 682	69 437	-1.8%
Transport		-	-	-	-	-	-	-
Services & households etc.		1 649 912	1 704 669	1 672 391	1 723 640	1 771 032	1 719 471	-2.9%
<i>among which:</i>								
Households		1 243 915	1 281 222	1 289 038	1 331 672	1 364 987	1 354 777	-0.7%
Services		400 813	420 016	379 195	387 234	400 202	359 262	-10.2%


6.1 Hard coal


 eurostat	UNITED KINGDOM							
	in 1 000 t	1997	1998	1999	2000	2001	2002	02/01
Primary production and supply								
Primary production	46 981	40 046	36 163	30 600	31 513	29 539	-6.3%	
Total imports	19 757	21 244	20 293	23 445	35 542	28 687	-19.3%	
Total exports	1 146	971	761	661	549	537	-2.2%	
Stock changes	-3 683	1 421	-1 164	4 681	-2 886	351	112.2%	
Gross inland consumption	63 423	62 871	55 445	58 663	64 037	58 490	-8.7%	
Imports								
Imports by origin								
<i>among which:</i>								
USA	6 950	6 746	3 016	2 773	2 610	1 566	-40.0%	
Poland	700	950	1 299	1 107	1 235	1 597	29.3%	
CIS	36	20	172	491	4 353	5 231	20.2%	
Australia	4 362	4 610	5 951	6 102	7 076	5 093	-28.0%	
South Africa	2 459	2 464	2 921	4 756	10 259	9 876	-3.7%	
Colombia	2 810	3 819	4 136	5 649	6 722	3 518	-47.7%	
Consumption								
Inputs to electricity plants	47 329	48 587	41 178	46 201	50 928	47 653	-6.4%	
Inputs to heat plants	-	-	649	714	759	759	0.0%	
Consumption of energy branch	8	5	10	12	10	9	-10.0%	
Industry								
<i>among which:</i>								
Iron&steel industry	607	568	506	458	765	726	-5.1%	
Non-ferrous metals	149	208	346	82	219	146	-33.3%	
Chemical industry	654	643	434	83	408	278	-31.9%	
Non-met. mineral prod.	926	763	586	202	504	500	-0.8%	
Food, drink, tobacco	369	288	215	110	217	189	-12.9%	
Pulp, paper and print	248	108	121	54	168	76	-54.8%	
Engineering & metal	126	77	111	54	88	71	-19.3%	
Other industries	452	249	157	102	68	45	-33.8%	
Services & households etc.	3 132	2 782	2 788	1 989	2 434	1 868	-23.3%	
Structural data								
Personnel employed underground (annual mean in 1000's)	7.6	6.2	6.1	6.0	5.1	5.0	-2.0%	
Number of active hard coal mines (end of year)	23	21	21	16	13	13	0.0%	

6.2 Coal derivatives and peat

		UNITED KINGDOM						
		1997	1998	1999	2000	2001	2002	02/01
Production								
Solid fuels	<i>in 1 000 t</i>							
Coke		6 233	6 215	5 870	6 377	5 516	4 559	-17.3%
Patent Fuel		814	616	635	537	487	430	-11.7%
Lignite and peat		-	-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		47 815	47 254	45 425	47 236	41 702	34 750	-16.7%
Blast-furnace gas		74 743	72 417	68 404	63 169	53 150	47 254	-11.1%
Gasworks gas		-	-	-	-	-	-	-
Consumption								
Solid fuels	<i>in 1 000 t</i>							
Coke		4 121	3 960	4 305	4 085	3 608	3 058	-15.2%
<i>among which:</i>								
Iron & steel industry		3 896	3 449	3 782	3 548	3 219	2 626	-18.4%
Services & households		92	115	121	145	67	178	165.7%
Patent Fuel		715	631	572	521	483	413	-14.5%
<i>among which:</i>								
Services & households		677	599	554	496	446	391	-12.3%
Lignite and peat		-	-	-	-	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-	-
<i>among which:</i>								
Industry		-	-	-	-	-	-	-
Services & households		-	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>							
Coke-oven gas		28 206	20 848	8 586	9 054	6 390	3 139	-50.9%
Blast-furnace gas		52 445	33 998	24 308	23 141	26 119	22 410	-14.2%
Gasworks gas		-	-	-	-	-	-	-
Inputs to electricity plants		14 950	35 535	38 272	38 146	25 127	24 758	-1.5%
Inputs to heat plants		-	-	10 288	8 744	8 748	7 074	-19.1%
Consumption of energy branch		21 766	24 386	27 378	28 059	24 127	20 992	-13.0%
Consumption in industry		80 651	54 846	32 894	32 195	32 509	25 549	-21.4%

7. Renewable energy sources

		UNITED KINGDOM						
		1997	1998	1999	2000	2001	2002	02/01
Primary production								
Total primary production	<i>in 1000 toe</i>	2 071	2 296	2 438	2 599	2 594	2 813	8.4%
Hydro (excl. pumping)		355	450	461	437	349	411	18.0%
Wind		57	75	73	81	83	108	30.2%
Solar		6	7	7	11	14	17	21.8%
Geothermal		1	1	1	1	1	1	0.0%
Biomass		1 652	1 763	1 897	2 069	2 148	2 276	6.0%
	<i>among which:</i>							
Wood, wood-waste		898	836	806	839	776	800	3.1%
Municipal solid waste		297	402	406	420	466	508	9.0%
Biogas		457	525	685	810	904	968	7.1%
Gross inland consumption		2 071	2 296	2 438	2 599	2 594	2 813	8.4%
Inputs to electricity and heat production								
	<i>in 1000 toe</i>							
Geothermal		-	-	-	-	-	-	-
Biomass		794	972	1 273	1 515	1 587	1 708	7.6%
	<i>among which:</i>							
Wood, wood-waste		116	123	266	369	306	329	7.6%
Municipal waste		287	385	383	392	434	471	8.6%
Biogas		391	464	624	754	847	908	7.2%
Final consumption of RES (excl. electricity)								
Total	<i>in 1000 toe</i>	865	798	631	565	573	585	2.2%
	<i>by sector:</i>							
Industry		519	450	280	210	211	211	0.1%
Services & households etc.		345	349	351	356	362	374	3.3%
Transport		-	-	-	-	-	-	-
	<i>by source:</i>							
Biomass		858	791	624	553	559	568	1.7%
	<i>among which:</i>							
Wood, wood-waste		782	713	540	470	470	471	0.2%
Municipal waste		10	17	22	28	32	37	15.1%
Biogas		66	61	61	56	57	60	6.4%
Geothermal		1	1	1	1	1	1	0.0%
Electricity generation from RES								
	<i>in GWh</i>							
Solar photovoltaics		-	-	1	1	2	3	50.0%
Hydro with installed capacity < 1 MW		65	86	81	77	75	35	-53.3%
Hydro with installed capacity > 1 & <10 MW		424	536	151	138	135	169	25.2%
Hydro with installed capacity > 10 MW		3 639	4 604	5 129	4 871	3 845	4 581	19.1%
Wood, Wood-waste		-	-	783	461	776	870	12.1%
Municipal waste		933	1 351	1 083	1 279	1 338	1 368	2.2%
Biogas		1 316	1 566	2 113	2 555	2 870	3 047	6.2%

	UNITED KINGDOM						
	1997	1998	1999	2000	2001	2002	02/01
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)	1	1	1	2	3	4	33.3%
Hydro with installed capacity < 1 MW	-	21	25	26	27	33	22.2%
Hydro with installed capacity > 1 & <10 MW	59	41	39	40	41	161	292.7%
Hydro with installed capacity > 10 MW	1 429	1 413	1 413	1 419	1 440	1 396	-3.1%
Wood, Wood-waste	46	84	157	157	157	166	5.7%
Municipal waste	115	162	161	253	260	279	7.3%
Biogas	256	311	400	510	550	569	3.5%
Liquid biofuels							
Production	<i>1000 t</i>						
	-	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>						
	276	287	298	312	396	446	12.6%