

Energy

Yearly statistics 2008

2010 edition

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CONVERSION COEFFICIENTS

used in the 'Energy supplied' balance-sheet

		kJ(NCV/PCI)	kgoe (NCV)/kgep (PCI)
Hard coal	1 kg	17200 - 30700	0.411 - 0.733
Recoverd hard coal	"	13800 - 28300	0.330 - 0.676
Patent fuels	"	26800 - 31400	0.640 - 0.750
Hard coke	"	28500	0.681
Brown coal	"	5600 - 10500	0.134 - 0.251
Black lignite	"	10500 - 21000	0.251 - 0.502
Peat	"	7800 - 13800	0.186 - 0.330
Brown coal briquettes	"	20000	0.478
Tar	"	37700	0.900
Benzol	"	39500	0.943
Oil equivalent⁽¹⁾	1 kg	41868	1
Crude oil	"	41600 - 42800	0.994 - 1.022
Feedstocks	"	42500	1.015
Refinery gas	"	49500	1.182
LPG	"	46000	1.099
Motor spirit	"	44000	1.051
Kerosenes, jet fuels	"	43000	1.027
Naphtha	"	44000	1.051
Gas diesel oil	"	42600	1.017
Residual fuel oil	"	40000	0.955
White spirit, industrial spirit	"	43600	1.041
Lubricants	"	42000	1.003
Bitumen	"	39000	0.931
Petroleum cokes	"	32000	0.764
Others petroleum products (paraffins, waxes, etc.)	"	40000	0.955
Natural gas	1 MJ (GCV)	900	0.0215
Coke-oven gas	"	900	0.0215
Blast-furnace gas	"	1000	0.0239
Works gas	"	900	0.0215
Nuclear energy	1 MJ(GCV)	1000	0.024
Biomass	1 MJ (GCV)	1000	0.024
Solar energy	"	1000	0.024
Geothermal energy	"	1000	0.024
Hydro energy	1 kWh	3600	0.086
Wind energy	1 kWh	3600	0.086
Derived heat	1 MJ (GCV)	1000	0.024
Electrical energy	1 kWh	3600	0.086

⁽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.

Note: p = Provisional data

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

*Some external trade data by country of origin are not yet available for the 10 new Member States

1. Energy economy

Key figures and energy indicators

		EU-27					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	925 266	921 355	887 984	869 616	848 894	842 712
Net energy imports		904 934	941 376	986 474	1 010 880	988 833	1 014 961
Net oil imports		565 507	580 514	600 203	608 641	587 856	598 362
Net gas imports		223 509	235 303	257 366	266 455	260 801	274 492
Gross inland energy consumption		1 802 902	1 824 589	1 825 237	1 825 756	1 807 794	1 799 294
Final energy consumption		1 165 853	1 181 198	1 182 403	1 186 125p	1 164 833p	1 168 635p
Industry		337 134	336 687	332 262	328 340	330 616	317 887p
Transport		352 457	362 131	364 711	372 191p	376 826p	374 269p
Services and households etc.		476 262	482 380	485 430	485 594	457 391	476 478p
Gross electricity generation	GWh	3 216 146	3 289 225	3 310 402	3 353 514	3 367 692	3 374 182
Final electricity consumption		2 668 202	2 723 399	2 762 951	2 823 713	2 843 553	2 855 561p
Socio-economic statistics							
Population	1000 per.	486 648	488 800	491 154	493 227	495 270	497 649
Total imports (current prices)	Mio EUR	3 381 153	3 689 916	4 057 764	4 597 133	4 907 112	5 119 564
among which:							
All energy commodities		:	:	:	:	468 042	620 566
Oil products		:	:	:	:	364 058	469 217
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 705	3 733	3 716	3 702	3 650	3 616
Final energy consumption / capita		2 396	2 417	2 407	2 405	2 352	2 348
Household consumption / capita		622	625	624	616	575	596
Final electricity consumption / capita	kWh/cap.	5 483	5 572	5 625	5 725	5 741	5 738
Energy dependency							
Net energy imports / Gross consumption	in %	49.0	50.3	52.6	53.8	53.1	54.8
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	64.7	64.7	64.8	65.0	64.4	64.9
Efficiency of thermal power stations		46.3	47.7	48.2	48.2	48.3	48.5

2. Energy balance

Principal aggregates by product

	EU-27					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	925 266	921 355	887 984	869 616	848 894	842 712
<i>among which:</i> Hard coal	109 380	103 758	97 514	93 573	88 386	83 385
Lignite and peat	99 560	97 512	95 912	96 994	96 235	93 963
Crude oil	151 556	140 871	128 320	116 712	115 281	107 351
Natural Gas	199 809	203 242	188 676	179 413	167 222	168 116
Nuclear heat	256 886	260 130	257 360	255 342	241 258	241 763
Hydro-electricity	26 332	27 827	26 430	26 537	26 666	28 147
Biomass	71 634	76 848	81 426	87 332	97 807	102 315
Imports						
Total	1 348 850	1 409 203	1 456 842	1 495 853	1 466 947	1 498 111
<i>among which:</i> Hard coal	133 422	146 428	144 989	156 299	156 942	153 037
Crude oil and feedstocks	638 772	660 487	660 377	658 842	652 012	657 179
Petroleum products	255 885	269 176	294 051	307 906	287 346	298 668
Natural Gas	282 509	296 123	317 467	332 859	327 982	347 370
Electricity	24 969	24 124	27 886	26 700	27 360	26 186
Exports						
Total	443 917	467 828	470 369	484 972	478 114	483 150
<i>among which:</i> Crude oil and feedstocks	98 764	90 231	78 747	72 178	75 621	72 605
Petroleum products	230 387	258 918	275 477	285 929	275 880	284 879
Natural gas	59 001	60 819	60 102	66 404	67 181	72 879
Electricity	25 116	24 756	26 913	26 401	26 458	24 768
Gross inland consumption						
Total	1 802 902	1 824 589	1 825 237	1 825 756	1 807 794	1 799 294
<i>among which:</i> Solid fuels	331 901	329 749	318 355	325 079	329 052	306 319
Crude oil and petrol. prod.	675 043	678 405	677 910	674 207	658 620	655 934
Natural gas	425 917	435 732	445 996	437 996	432 544	440 746
Nuclear Energy	256 886	260 130	257 360	255 342	241 258	241 763
Renewables	107 789	116 202	120 952	129 135	143 101	151 047
Transformation input						
Total	1 506 150	1 526 659	1 520 014	1 526 789	1 486 336	1 474 509
<i>among which:</i> Crude oil and feedstocks	744 283	759 219	758 012	754 531	722 182	720 254
Natural gas	120 243	126 852	133 022	135 317	138 582	148 821
Petroleum products	37 408	31 277	31 034	28 620	23 568	22 690
Hard coal	197 591	196 928	188 649	196 799	197 436	180 124
Lignite and peat	96 712	95 119	93 220	93 750	94 295	91 257
Renewables	26 412	30 387	33 340	36 308	41 657	44 000
Transformation output						
Total	1 096 319	1 119 593	1 118 089	1 119 016	1 082 861	1 077 685
<i>among which:</i> Electricity	243 560	246 937	248 962	251 455	250 939	248 677
Heat	53 816	57 520	57 235	57 540	54 461	54 279

		EU-27					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		1 165 853	1 181 198	1 182 403	1 186 125p	1 164 833p	1 168 635p
<i>among which:</i>	Solid fuels	57 316	57 657	56 311	57 511	56 542	55 273
	Petroleum products	495 172	499 730	498 645	498 121	483 947	484 336
	Natural Gas	274 791	276 155	275 157	268 495p	259 261p	260 477p
	Renewables	51 113	52 772	54 896	58 830	64 445	67 927
	Electricity	229 424	234 170	237 571	242 796	244 502	245 534p
Final energy consumption by sector							
Industry							
Total		337 134	336 687	332 262	328 340	330 616	317 887p
<i>among which:</i>	Solid fuels	45 708	46 248	45 309	44 868	45 060	43 068
	Petroleum Products	51 337	49 671	48 126	47 962	45 699	42 197
	Natural Gas	104 304	99 283	97 026	91 601	93 413	88 488
	Renewables	16 308	16 857	17 237	18 093	20 860	20 427
	Electricity	94 775	96 887	97 651	97 350	99 087	98 461p
Transport							
Total		352 457	362 131	364 711	372 191p	376 826p	374 269p
<i>among which:</i>	Motor spirit	123 556	120 452	114 370	110 350	106 369	100 702
	Diesel oil	170 158	179 238	184 212	191 290	195 899	195 752
	Jet fuel	44 853	47 738	50 045	51 719	53 277	54 089
	Electricity	6 216	6 262	6 353	6 089	6 056	6 143
Services & households etc.							
Total		476 262	482 380	485 430	485 594	457 391	476 478p
<i>among which:</i>	Solid fuels	11 594	11 399	10 989	12 636	11 477	12 200
	Gas oil	80 086	77 958	77 324	73 225	59 711	68 752
	Natural Gas	170 031	176 411	177 624	176 260	165 116	171 204
	Renewables	33 446	33 935	34 538	35 238	35 826	37 405
	Electricity	128 433	131 022	133 568	139 356	139 359	140 930p
	Heat	33 213	32 845	32 778	31 781	29 527	29 740

3.1 Electricity balance

	EU-27					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	3 216 146	3 289 225	3 310 402	3 353 514	3 367 692	3 374 182
<i>among which:</i>						
Hydro	338 307	357 147	341 744	344 348	344 236	359 185
Wind	44 358	58 815	70 485	82 306	104 337	118 733
Geothermal	5 434	5 523	5 397	5 615	5 772	5 714
Nuclear	995 860	1 008 437	997 699	989 877	935 277	937 236
Conventional thermal	1 831 722	1 858 577	1 893 619	1 928 871	1 974 291	1 945 866
<i>of which:</i>						
Hard coal	624 740	615 170	589 526	612 923	604 227	543 035
Lignite and peat	380 533	368 657	379 719	374 045	357 390	358 233
Petroleum products	162 593	145 764	139 123	131 932	110 030	104 498
Natural gas	564 948	616 191	661 589	681 255	733 291	774 773
Derived gases	30 361	31 533	31 744	30 830	35 072	33 508
Biomass	57 915	68 851	80 685	90 128	100 760	107 855
Industrial wastes	10 632	12 411	11 233	7 758	33 521	23 964
Total net generation	3 049 805	3 119 159	3 137 148	3 179 795	3 194 376	3 204 876
Imports and exports						
Total imports	290 384	280 567	324 311	310 520	318 194	304 542
Total exports	292 104	287 916	313 001	307 042	307 705	288 054
Consumption and losses						
Consumption of the energy branch	297 429	300 911	304 438	295 277	297 922	296 503
<i>of which:</i>						
Consumption for pumped-storage	13 533	13 284	13 652	11 533	10 970	11 253
Network losses	215 341	223 344	219 063p	201 862	203 092	205 163p
Final energy consumption	2 668 202	2 723 399	2 762 951	2 823 713	2 843 553	2 855 561p
<i>of which:</i>						
Industry	1 102 239	1 126 794	1 135 679	1 132 184	1 152 381	1 145 102p
<i>among which:</i>						
Iron&steel industry	129 898	134 462	135 799	141 179	139 183	134 276
Non-ferrous metals	79 527	82 797	80 804	77 652	80 346	79 652
Chemical industry	194 990p	196 557p	206 312p	199 170p	200 010p	198 873p
Non-met. mineral prod.	82 187p	84 615p	83 220p	84 852p	85 440p	86 815p
Food, drink, tobacco	105 450p	107 586p	111 473p	110 391p	111 658p	111 374p
Pulp, paper and print	136 518	141 014	141 863	146 015	142 258	139 843
Engineering & metal	149 173p	152 348p	154 639p	157 172p	158 093p	164 224p
Other industries	170 721p	174 311p	173 034p	168 248p	188 569p	186 043p
Transport	72 288	72 823	73 881	70 819	70 428	71 439
Services & households etc.	1 493 675	1 523 782	1 553 391	1 620 710	1 620 744	1 639 020p
<i>among which:</i>						
Households	773 674	786 671	797 657	809 143	803 038	817 442p

3.2 Electrical capacity, fuel inputs and heat

		EU-27					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	728 327	737 525	749 466	764 201	780 889	799 133
<i>by source:</i>							
Conventional thermal		424 127	427 838	434 262	442 122	451 010	458 216
<i>of which:</i>							
Steam		:	:	:	:	:	:
Gas turbine		:	:	:	:	:	:
Combined cycle		:	:	:	:	:	:
Internal combustion		:	:	:	:	:	:
Nuclear		137 276	136 414	134 994	133 806	132 829	133 086
Hydro		137 690	138 366	139 011	139 892	140 395	142 705
<i>among which:</i>							
Pumped storage		36 646	36 582	36 739	38 278	38 655	40 322
Wind		28 513	34 251	40 514	47 685	55 957	64 429
Geothermal		721	656	685	696	698	697
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		682 062	685 574p	690 385p	716 911p	730 306p	749 307p
Autoproducers		46 724	52 009p	54 338p	54 922p	56 802p	60 245p
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	422 028	423 014	423 878	432 525	435 289	428 591
<i>among which:</i>							
Hard coal		146 543	145 019	139 726	145 125	145 265	130 018
Lignite and peat		92 752	90 352	88 543	88 837	89 253	86 151
Petroleum products		35 248	29 277	29 249	26 553	21 871	21 039
Natural gas		112 602	119 795	125 899	128 769	129 692	140 657
Renewables		23 264	27 110	29 992	32 701	37 732	39 854
Heating plants		17 361	16 441	15 623	15 419	18 189	17 411
<i>among which:</i>							
Hard coal		4 192	4 035	3 496	3 501	3 784	3 703
Lignite and peat		592	509	348	336	484	418
Petroleum products		1 425	1 354	1 186	1 308	966	853
Natural gas		7 578	6 993	7 061	6 487	8 830	8 102
Renewables		3 148	3 278	3 349	3 607	3 925	4 145
Heat production and consumption							
Total heat production	1 000 toe	53 816	57 520	57 235	57 540	54 461	54 279
<i>among which: in heating plants</i>							
		16 341	15 811	15 734	15 343	14 462	14 521
Heat consumption		45 634	48 104	47 911	47 956	45 593	45 171
<i>of which: in industry</i>							
		12 421	15 258	15 133	16 175	16 066	15 431
<i>in households and services</i>							
		33 213	32 845	32 778	31 781	29 527	29 740
<i>among which: in households</i>							
		21 342	20 911	20 672	20 369	19 603	19 394

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	EU-27					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	148 457	138 079	125 838	114 549	113 128	105 398
Total imports	628 329	649 884	649 729	648 414	642 213	646 909
Total exports	96 750	88 436	77 224	70 860	74 251	71 327
Stock changes	-1 195	-2 636	-83	-1 196	-139	-1 198
Refinery intake	731 972	746 932	745 712	742 518	711 192	708 925
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	204 136	210 556	216 314	213 801	195 502	201 135
Near and Middle East	121 745	122 432	118 736	113 831	103 981	96 433
Africa	106 451	103 779	112 628	111 081	113 728	133 080
<i>by country of origin:</i>						
Algeria	18 639	21 609	22 776	16 538	13 231	16 878
Irak	8 475	12 553	12 290	16 610	19 094	18 851
Iran	34 674	35 945	35 385	36 350	34 062	30 734
Kazakhstan	15 993	22 154	26 386	26 789	27 080	28 563
Kuwait	6 243	6 605	7 621	6 696	6 421	6 012
Libya	45 949	49 988	50 601	53 165	55 536	57 404
Mexico	8 671	8 808	10 647	8 703	8 623	8 759
Nigeria	23 224	14 858	18 618	20 235	15 523	22 786
Norway	106 404	108 627	97 610	89 083	84 394	86 636
Russia	170 870	188 898	188 000	189 579	186 030	179 061
Saudi Arabia	61 536	64 460	60 748	51 069	40 290	38 912
Syria	12 945	9 081	9 027	7 481	7 864	6 953
United Arab Emirates	68	84	1 060	1 589	1 099	664

4.2 Petroleum products

<i>in 1 000 t</i>	EU-27					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	723 118	737 560	736 052	731 795	700 483	700 191
<i>among which:</i>						
Motor spirit	151 530	155 420	152 496	151 786	140 710	136 941
Kerosene and jet fuel	43 415	46 763	45 092	46 857	46 014	46 578
Naphtha	44 123	42 936	44 104	40 802	37 343	38 337
Gas/diesel oil	259 353	261 005	267 719	266 209	265 225	271 434
Residual fuel oil	112 429	115 872	114 255	112 763	107 574	101 625
Total imports	255 436	268 519	293 308	307 189	286 670	298 058
Total exports	227 682	255 991	272 486	282 803	273 160	281 673
Bunkers	46 918	50 158	52 314	55 340	55 762	55 531
Stock changes	-1 510	2 549	-5 900	-2 745	2 391	-2 076
Gross inland consumption	-18 986	-33 727	-36 091	-32 632	-38 937	-40 400
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	34 274	38 182	42 817	45 138	38 903	42 340
United Kingdom	20 918	20 565	21 021	21 366	20 100	24 647
Russia	26 853	29 167	31 933	35 004	31 380	32 901
Norway	7 733	7 871	9 195	8 398	7 294	8 479
OPEC	23 150	24 997	25 296	26 050	25 821	23 803
Imports by product						
<i>among which:</i>						
Motor spirit	28 752	27 608	30 000	31 140	25 509	26 488
Kerosene and jet fuel	20 966	23 785	28 139	27 986	28 403	31 127
Gas/diesel oil	88 698	94 464	103 519	109 209	96 118	104 302
Residual fuel oil	47 669	46 050	53 978	57 599	55 664	59 507
Exports by product						
<i>among which:</i>						
Motor spirit	55 742	64 047	68 211	72 175	64 703	69 547
Kerosene and jet fuel	11 326	12 551	13 739	13 427	13 540	14 517
Gas/diesel oil	68 625	72 633	79 047	82 220	81 431	84 174
Residual fuel oil	46 163	55 554	61 964	62 599	63 510	61 060
Consumption						
Inputs to electricity plants						
Inputs to heating plants	36 707	30 616	30 538	27 619	22 665	21 773
Non-energy use	1 470	1 391	1 223	1 344	990	872
Final energy consumption	92 768	95 921	96 719	95 983	96 119	92 892
	484 553	489 021	488 179	487 889	473 994	474 512
Industry	53 388	51 794	50 333	50 215	47 928	44 451
<i>among which by product:</i>						
Gas/diesel oil	13 990	13 559	14 025	12 741	11 970	11 409
Residual fuel oil	17 063	16 148	14 303	14 786	13 774	12 539

	EU-27					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	3 120	3 281	3 122	3 121	3 142	2 840
Non-ferrous metals	1 086	1 025	1 112	1 142	913	1 010
Chemical industry	8 905	8 671	8 057	7 728	7 889	7 216
Non-met. mineral prod.	14 009	14 162	14 239	14 268	13 871	13 096
Food, drink, tobacco	5 035	4 784	4 270	4 098	3 939	3 711
Pulp, paper and print	2 364	2 110	2 013	1 992	1 808	1 684
Engineering & metal	3 497	3 260	3 112	3 062	2 761	2 892
Other industries	12 981	12 405	12 521	12 998	11 823	10 409
Transport	334 031	342 940	344 384	349 656	352 038	347 268
<i>among which:</i>						
Motor spirit	117 569	114 615	108 828	105 003	101 215	95 823
Jet fuel	43 672	46 481	48 728	50 357	51 874	52 665
Diesel oil	167 256	176 181	181 069	188 028	192 560	192 419
Services & households etc.	97 134	94 287	93 462	88 018	74 028	82 793
<i>among which:</i>						
Gas oil	78 713	76 623	75 998	71 969	58 688	67 574
Residual fuel oil	3 937	2 690	2 568	2 276	2 017	1 865
Stocks at end of period						
Crude oil and feedstocks	63 704	66 707	66 826	67 990	69 327	70 002
Petroleum products	98 787	96 429	103 002	105 504	102 733	104 752

5. Natural gas

<i>in TJ (GCV)</i>	EU-27					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	9 295 119	9 454 825	8 777 219	8 346 287	7 779 176	7 820 741
Total imports	13 142 336	13 775 622	14 768 588	15 484 622	15 257 707	16 159 671
Total exports	2 744 705	2 829 312	2 795 923	3 089 133	3 125 267	3 390 308
Stock changes	120 549	-131 359	-2 629	-368 630	206 412	-92 258
Gross inland consumption	19 813 679	20 270 260	20 747 751	20 375 551	20 121 939	20 503 485
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	2 158 803	2 042 137	2 256 826	2 132 236	1 943 976	1 998 381
Egypt	-	-	202 419	327 394	221 305	226 955
Libya	30 390	47 809	209 499	321 150	383 615	398 006
Nigeria	335 929	410 260	436 319	563 905	588 317	540 366
Norway	2 758 200	2 801 723	3 063 749	3 307 215	3 541 294	3 899 854
Oman	23 221	53 316	71 379	32 914	13 022	6 895
Qatar	80 414	160 170	195 713	232 721	275 496	298 578
Russia	4 895 252	4 951 044	5 100 593	5 106 527	4 843 630	5 095 662
Consumption						
Inputs to electricity plants	5 238 225	5 572 871	5 856 814	5 990 344	6 033 266	6 543 362
Inputs to heat plants	352 528	325 305	328 465	301 793	410 768	376 893
Consumption of energy branch	652 026	658 635	672 879	702 874	693 101	720 193
Distribution losses	150 071	168 801	174 947	182 136	163 536	140 666
Non-energy use	647 703	660 122	704 248	641 564	694 512	657 979
Industry	4 852 219	4 618 636	4 513 644	4 261 286	4 345 551	4 116 460
<i>among which:</i>						
Iron&steel industry	496 086	521 620	483 502	477 640	468 725	453 046
Non-ferrous metals	135 751	130 596	120 128	126 190	127 303	123 637
Chemical industry	1 112 246	1 029 699	1 055 596	981 451	971 369	906 713
Non-met. mineral prod.	835 770	799 368	816 423	774 700	740 356	710 390
Food, drink, tobacco	691 869	648 485	601 758	561 786	588 453	569 284
Pulp, paper and print	472 887	404 981	402 239	391 141	427 281	361 838
Engineering & metal	553 982	539 118	516 655	509 620	517 389	480 451
Other industries	278 307	294 100	322 210	251 962	332 883	363 354
Transport	21 255	21 491	23 610	29 475p	34 056p	36 514p
Services & households etc.	7 909 825	8 206 626	8 263 051	8 199 614	7 681 208	7 964 395
<i>among which:</i>						
Households	5 520 640	5 715 422	5 729 697	5 576 573	5 265 746	5 433 521
Services	2 171 311	2 246 829	2 309 792	2 420 338	2 208 097	2 383 871

6.1 Hard coal

<i>in 1 000 t</i>	EU-27					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	186 491	180 207	170 420	161 277	152 232	143 351
Total imports	210 143	229 587	227 404	246 862	248 721	242 563
Total exports	35 095	37 038	34 466	35 152	34 466	26 763
Stock changes	8 575	-2 288	-3 834	182	10 173	-15 622
Gross inland consumption	372 482	374 911	361 534	374 904	378 455	344 940
Imports						
Imports by origin						
<i>among which:</i>						
Australia	30 980	30 838	27 013	27 147	29 893	26 207
Colombia	22 908	24 479	24 147	26 068	29 023	26 866
Russia	26 545	40 382	48 304	55 544	56 119	57 477
South Africa	56 997	53 817	51 698	53 080	46 121	37 193
USA	12 619	15 416	15 673	17 370	20 836	30 988
Consumption						
Inputs to electricity plants	252 627	250 196	241 238	252 216	251 798	222 558
Inputs to heat plants	7 943	7 512	6 674	6 621	7 023	6 876
Consumption of energy branch	1 315	1 173	1 216	665	1 210	620
Industry	29 098	31 136	32 302	32 022	32 527	31 275
<i>among which:</i>						
Iron&steel industry	12 446	14 306	15 733	16 227	15 292	14 033
Non-ferrous metals	348	286	487	236	271	275
Chemical industry	2 763	2 902	3 478	2 939	2 600	3 690
Non-met. mineral prod.	7 409	7 325	6 681	6 926	8 886	8 110
Food, drink, tobacco	2 527	2 549	2 510	2 352	2 460	2 244
Pulp, paper and print	1 657	1 662	1 689	1 632	1 386	1 483
Engineering & metal	599	506	382	338	276	244
Other industries	831	855	891	953	976	848
Services & households etc.	13 747	13 972	14 257	15 564	15 631	16 317

6.2 Coal derivatives and peat

	EU-27					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	50 604	51 848	50 188	52 068	51 517	49 393
Patent Fuel	558	465	388	386	336	324
Lignite and peat	478 089	470 628	466 263	467 636	465 816	454 281
Brown coal briquettes	7 112	7 164	7 551	8 364	8 184	8 402
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	380 445	379 834	363 931	385 383	392 811	377 734
Blast-furnace gas	607 596	627 935	612 838	638 759	648 335	602 263
Gasworks gas	25 609	23 904	24 700	25 091	24 207	26 250
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	35 096	33 729	30 579	30 118	30 316	28 568
<i>among which:</i>						
Iron & steel industry	31 161	30 472	28 174	27 785	28 015	26 539
Services & households etc.	1 317	996	498	519	417	380
Patent Fuel	530	462	394	397	374	517
<i>among which:</i>						
Services & households etc.	512	450	394	396	372	493
Lignite and peat	11 601	10 919	9 685	11 067	8 704	9 121
<i>among which:</i>						
Industry	7 232	6 212	6 470	6 848	5 700	5 957
Services & households etc.	4 360	4 707	3 201	4 207	2 995	3 154
Brown coal briquettes	4 616	4 682	4 242	4 637	3 803	3 935
<i>among which:</i>						
Industry	2 152	2 628	2 654	2 757	2 545	2 467
Services & households etc.	2 458	2 048	1 583	1 880	1 258	1 468
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	148 493	151 332	141 504	149 462	138 039	127 051
Blast-furnace gas	264 781	264 113	247 148	256 939	258 560	243 021
Gasworks gas	6 051	5 128	5 083	4 773	4 281	4 831
Inputs to electricity plants	356 125	371 052	374 085	389 332	410 364	391 940
Inputs to heat plants	10 242	9 437	6 012	5 931	6 194	6 101
Consumption of energy branch	201 683	206 431	201 346	200 997	220 271	201 685
Consumption in industry	414 900	416 077	389 074	406 775	397 194	371 250

7. Renewable energy sources

		EU-27					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	107 695	115 806	120 058	127 497	140 459	148 134
Hydro (excl. pumping)		26 332	27 827	26 430	26 537	26 666	28 147
Wind		3 814	5 057	6 061	7 077	8 971	10 165
Solar		595	676	808	989	1 265	1 729
Geothermal		5 319	5 397	5 334	5 562	5 751	5 778
Biomass		71 634	76 848	81 426	87 332	97 807	102 315
	<i>among which:</i>						
Wood, wood-waste		58 113	61 367	62 716	65 222	67 344	69 677
Municipal solid waste		8 788	9 421	10 318	10 969	14 438	14 848
Biogas		3 378	3 855	4 570	4 871	7 201	7 586
Gross inland consumption		107 789	116 202	120 952	129 135	143 101	151 047
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		4 728	4 811	4 703	4 902	5 057	5 037
Biomass		21 683	25 575	28 636	31 405	36 596	38 958
	<i>among which:</i>						
Wood, wood-waste		10 610	13 351	14 207	15 859	16 656	18 428
Municipal waste		8 103	8 676	9 572	10 230	12 701	13 088
Biogas		2 949	3 414	4 122	4 407	6 115	6 385
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	51 113	52 772	54 896	58 830	64 445	67 927
	<i>by sector:</i>						
Industry		16 308	16 857	17 237	18 093	20 860	20 427
Services & households etc.		33 446	33 935	34 538	35 238	35 826	37 405
Transport		1 359	1 980	3 121	5 500	7 759	10 095
	<i>by source:</i>						
Biomass		49 968	51 574	53 584	57 397	62 807	66 101
	<i>among which:</i>						
Wood, wood-waste		47 581	48 484	49 343	50 697	51 852	52 634
Municipal waste		685	745	745	739	1 736	1 760
Biogas		340	353	361	383	993	1 111
Geothermal		592	586	631	661	700	740
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		465	726	1 458	2 497	3 771	7 432
Hydro with installed capacity < 1 MW		9 478	9 525	9 630	9 340	11 722	10 294
Hydro with installed capacity > 1 & <10 MW		28 120	33 532	30 132	31 091	29 276	32 420
Hydro with installed capacity > 10 MW		262 168	275 850	267 681	270 781	269 320	284 122
Wood, Wood-waste		29 574	37 203	41 508	46 181	50 233	55 382
Municipal waste		18 009	19 422	22 667	24 790	28 146	29 054
Biogas		10 126	11 691	13 958	15 792	19 192	20 062

	EU-27						
	2003	2004	2005	2006	2007	2008	
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		532	883	1 696	3 223	4 853	9 470
Hydro with installed capacity < 1 MW		2 738	2 784	2 842	2 838	2 959	2 992
Hydro with installed capacity > 1 & <10 MW		8 663	9 146	9 408	9 598	9 432	9 604
Hydro with installed capacity > 10 MW		89 671	93 225	93 475	93 569	89 506	89 682
Wood, Wood-waste		6 813	7 987	9 781	12 137	12 679	14 006
Municipal waste		3 725	4 195	5 157	5 791	5 452	5 688
Biogas		1 941	2 164	2 849	3 302	3 848	4 199
Liquid biofuels							
Production	<i>1000 t</i>	1 749	2 591	4 520	7 407	11 733	13 238
Solar Panels							
Solar panel surface	<i>1000 m²</i>	15 363	16 815	18 928	21 869p	24 673	28 896

1. Energy economy

Key figures and energy indicators

		BELGIQUE / BELGIË					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	13 213	13 244	13 454	13 367	13 788	13 561
Net energy imports		53 244	53 940	53 775	53 486	51 340	53 896
Net oil imports		32 216	32 333	32 623	32 177	31 031	33 067
Net gas imports		14 243	14 559	14 817	15 030	14 900	14 899
Gross inland energy consumption		61 577	61 474	61 136	60 418	57 340	58 275
Final energy consumption		40 042	39 427	38 436	38 142	34 877	37 594
Industry		14 667	14 371	13 555	14 417	12 339	12 036
Transport		10 177	10 247	9 926	9 613	9 589	11 227
Services and households etc.		15 199	14 808	14 955	14 111	12 949	14 331
Gross electricity generation	<i>GWh</i>	84 616	85 441	87 025	85 535	88 820	84 929
Final electricity consumption		79 677	80 603	80 182	82 583	82 881	82 639
Socio-economic statistics							
Population	<i>1000 per.</i>	10 356	10 396	10 446	10 511	10 585	10 667
Total imports (current prices)	<i>Mio EUR</i>	210 244	230 291	250 423	267 898	287 434	318 649
among which:							
All energy commodities		18 102	22 118	31 988	38 214	34 959	48 720
Oil products		12 761	14 465	20 314	24 545	25 320	33 080
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	5 946	5 913	5 853	5 748	5 417	5 463
Final energy consumption / capita		3 867	3 792	3 680	3 629	3 295	3 524
Household consumption / capita		955	965	951	850	767	822
Final electricity consumption / capita	<i>kWh/cap.</i>	7 694	7 753	7 676	7 857	7 830	7 747
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	77.8	78.0	78.2	77.9	77.1	79.5
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	65.0	64.1	62.9	63.1	60.8	64.5
Efficiency of thermal power stations		48.1	47.8	48.6	50.4	51.5	51.8

2. Energy balance

Principal aggregates by product

	BELGIQUE / BELGIË					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	13 213	13 244	13 454	13 367	13 788	13 561
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	12 222	12 204	12 277	12 032	12 440	11 754
Hydro-electricity	21	27	25	31	33	35
Biomass	959	997	1 127	1 267	1 264	1 704
Imports						
Total	78 240	80 925	81 051	79 209	77 924	80 755
<i>among which:</i> Hard coal	6 573	6 853	6 163	5 639	5 191	4 816
Crude oil and feedstocks	39 063	37 996	35 487	35 103	36 479	36 845
Petroleum products	16 687	19 762	22 844	21 164	19 215	21 521
Natural Gas	14 243	14 559	14 817	15 030	14 900	14 899
Electricity	1 261	1 253	1 232	1 621	1 360	1 475
Exports						
Total	24 995	26 985	27 276	25 722	26 585	26 859
<i>among which:</i> Crude oil and feedstocks	3 054	3 098	3 281	2 810	3 528	4 489
Petroleum products	20 480	22 326	22 427	21 280	21 134	20 810
Natural gas	-	-	-	-	-	-
Electricity	710	584	690	748	777	564
Gross inland consumption						
Total	61 577	61 474	61 136	60 418	57 340	58 275
<i>among which:</i> Solid fuels	6 216	6 090	5 450	5 162	4 610	4 363
Crude oil and petrol. prod.	25 090	24 685	24 747	23 670	22 630	23 945
Natural gas	14 402	14 570	14 728	15 003	14 929	14 838
Nuclear Energy	12 222	12 204	12 277	12 032	12 440	11 754
Renewables	1 151	1 246	1 458	1 767	1 758	2 174
Transformation input						
Total	68 998	66 894	60 647	60 537	62 513	60 215
<i>among which:</i> Crude oil and feedstocks	45 827	43 469	37 438	37 407	39 298	38 261
Natural gas	3 954	3 908	4 061	4 032	4 297	4 231
Petroleum products	258	432	411	327	185	57
Hard coal	4 701	4 630	4 255	4 186	3 761	3 173
Lignite and peat	-	-	-	-	-	-
Renewables	574	638	769	1 001	925	1 217
Transformation output						
Total	56 383	54 307	48 089	47 538	49 193	48 398
<i>among which:</i> Electricity	7 155	7 197	7 325	7 183	7 450	7 093
Heat	550	558	533	699	634	684

		BELGIQUE / BELGIË					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		40 042	39 427	38 436	38 142	34 877	37 594
<i>among which:</i>	Solid fuels	2 381	2 326	2 072	2 022	1 877	2 084
	Petroleum products	17 680	16 693	16 529	15 544	14 533	16 751
	Natural Gas	9 653	9 958	9 513	9 999	9 668	9 774
	Renewables	548	569	646	704	754	864
	Electricity	6 851	6 931	6 894	7 101	7 126	7 106
Final energy consumption by sector							
Industry							
Total		14 667	14 371	13 555	14 417	12 339	12 036
<i>among which:</i>	Solid fuels	2 210	2 139	1 925	1 877	1 748	1 930
	Petroleum Products	1 414	1 075	1 075	1 199	1 003	715
	Natural Gas	4 386	4 425	3 998	4 707	4 858	4 611
	Renewables	351	375	447	485	440	513
	Electricity	3 437	3 471	3 390	3 458	3 451	3 355
Transport							
Total		10 177	10 247	9 926	9 613	9 589	11 227
<i>among which:</i>	Motor spirit	2 214	2 032	1 854	1 542	1 468	1 531
	Diesel oil	6 041	6 571	6 496	6 666	6 800	7 336
	Jet fuel	1 544	1 425	1 281	1 182	1 019	2 046
	Electricity	128	129	144	136	143	144
Services & households etc.							
Total		15 199	14 808	14 955	14 111	12 949	14 331
<i>among which:</i>	Solid fuels	171	187	147	145	129	154
	Gas oil	5 177	5 141	5 171	4 517	3 723	4 760
	Natural Gas	5 267	5 533	5 515	5 293	4 810	5 163
	Renewables	197	194	199	219	224	250
	Electricity	3 286	3 331	3 361	3 507	3 533	3 607
	Heat	60	60	55	74	75	102

3.1 Electricity balance

	BELGIQUE / BELGIË					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	84 616	85 441	87 025	85 535	88 820	84 929
<i>among which:</i>						
Hydro	1 316	1 607	1 604	1 628	1 683	1 757
Wind	88	129	227	363	491	637
Geothermal	-	-	-	-	-	-
Nuclear	47 379	47 312	47 595	46 645	48 227	45 568
Conventional thermal	35 833	36 392	37 598	36 897	38 413	36 926
<i>of which:</i>						
Hard coal	9 638	9 147	8 199	6 848	6 473	5 547
Lignite and peat	-	-	-	-	-	-
Petroleum products	1 007	1 675	1 740	1 377	813	406
Natural gas	21 609	21 477	22 849	23 022	25 384	24 648
Derived gases	1 970	2 336	2 294	2 368	1 854	1 688
Biomass	1 339	1 535	2 114	3 002	3 107	3 987
Industrial wastes	270	222	402	280	782	650
Total net generation	80 806	81 539	83 396	81 895	85 098	81 383
Imports and exports						
Total imports	14 664	14 567	14 328	18 853	15 816	17 158
Total exports	8 254	6 790	8 024	8 696	9 037	6 561
Consumption and losses						
Consumption of the energy branch	6 525	7 465	7 542	7 533	7 345	7 154
<i>of which:</i>						
Consumption for pumped-storage	377	406	459	421	418	425
Network losses	3 757	3 855	4 156	4 179	4 064	4 262
Final energy consumption	79 677	80 603	80 182	82 583	82 881	82 639
<i>of which:</i>						
Industry	39 975	40 367	39 423	40 211	40 134	39 019
<i>among which:</i>						
Iron&steel industry	7 015	7 061	5 997	6 193	6 486	6 346
Non-ferrous metals	2 083	2 123	1 729	2 468	2 298	2 207
Chemical industry	13 537	13 473	13 767	11 766	13 176	12 222
Non-met. mineral prod.	2 563	2 613	2 325	2 411	2 370	2 449
Food, drink, tobacco	4 005	4 083	3 991	4 427	4 574	4 448
Pulp, paper and print	2 563	2 612	2 710	2 739	2 848	2 671
Engineering & metal	3 083	3 143	3 163	3 356	3 348	3 285
Other industries	2 803	2 746	3 981	4 262	2 625	3 097
Transport	1 490	1 502	1 675	1 585	1 658	1 676
Services & households etc.	38 212	38 734	39 084	40 787	41 089	41 944
<i>among which:</i>						
Households	26 026	26 543	26 007	22 722	21 855	19 982

3.2 Electrical capacity, fuel inputs and heat

		BELGIQUE / BELGIË					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	15 609	15 634	16 094	16 258	16 360	16 697
<i>by source:</i>							
Conventional thermal		8 366	8 365	8 713	8 807	8 842	9 130
<i>of which:</i>							
Steam		4 049	3 670	3 484	3 485	3 465	3 398
Gas turbine		1 243	1 275	1 313	1 451	1 421	1 667
Combined cycle		2 676	3 005	3 364	3 322	3 419	3 456
Internal combustion		398	415	433	429	417	489
Nuclear		5 761	5 761	5 802	5 825	5 825	5 825
Hydro		1 415	1 415	1 412	1 414	1 417	1 418
<i>among which:</i>							
Pumped storage		1 310	1 307	1 307	1 307	1 307	1 307
Wind		67	93	167	212	276	324
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		15 201	15 231	15 602	15 762	15 807	15 786
Autoproducers		408	403	494	498	573	974
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	7 536	7 709	7 733	7 665	7 640	7 448
<i>among which:</i>							
Hard coal		2 191	2 071	1 889	1 618	1 360	1 199
Lignite and peat		-	-	-	-	-	-
Petroleum products		258	432	411	327	185	57
Natural gas		3 954	3 908	4 058	4 029	4 297	4 231
Renewables		540	601	745	975	923	1 215
Heating plants		34	37	27	29	2	2
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	3	3	-	-
Renewables		34	37	24	26	2	2
Heat production and consumption							
Total heat production	1 000 toe	550	558	533	699	634	684
<i>among which: in heating plants</i>							
		5	3	6	7	4	3
Heat consumption		464	462	427	473	407	473
<i>of which: in industry</i>							
		404	402	372	399	332	371
<i>in households and services</i>							
		60	60	55	74	75	102
<i>among which: in households</i>							
		15	15	14	14	14	14

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	BELGIQUE / BELGIË					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	39 257	38 184	35 561	35 165	36 607	36 867
Total exports	3 009	3 052	3 232	2 768	3 476	4 422
Stock changes	-29	4	152	-52	-147	-44
Refinery intake	45 920	43 576	37 485	37 433	39 384	38 260
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	14 533	12 208	11 287	12 239	10 702	10 998
Near and Middle East	11 811	10 285	10 066	10 745	9 296	9 270
Africa	1 670	772	953	734	1 392	2 292
<i>by country of origin:</i>						
Algeria	249	208	-	-	14	2
Irak	933	160	240	132	450	671
Iran	4 689	4 620	4 513	4 934	4 117	4 179
Kazakhstan	163	-	-	-	-	2
Kuwait	-	331	70	51	-	-
Libya	-	36	67	-	189	1
Mexico	-	-	-	51	279	268
Nigeria	1 265	433	320	518	316	909
Norway	4 711	2 949	2 749	2 815	3 349	4 253
Russia	11 461	13 953	13 433	12 602	15 489	13 419
Saudi Arabia	6 144	5 373	5 267	5 649	4 703	4 404
Syria	-	-	46	30	-	15
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	BELGIQUE / BELGIË					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	45 489	43 233	37 046	36 386	38 196	37 901
<i>among which:</i>						
Motor spirit	5 865	5 789	5 056	5 357	5 041	4 338
Kerosene and jet fuel	2 110	2 221	1 743	1 786	1 783	1 909
Naphtha	2 460	2 318	1 624	1 229	1 607	1 809
Gas/diesel oil	13 013	12 327	11 938	12 660	12 836	12 959
Residual fuel oil	8 689	8 380	8 042	7 128	7 391	7 268
Total imports	16 708	19 683	22 716	21 150	19 214	21 437
Total exports	20 239	22 084	22 202	21 059	20 910	20 582
Bunkers	7 146	8 037	7 953	8 605	9 632	9 956
Stock changes	-256	48	-387	-212	860	-375
Gross inland consumption	-10 925	-10 384	-7 820	-8 726	-10 468	-9 476
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	10 744	12 684	13 673	12 565	13 250	12 153
United Kingdom	1 064	640	886	962	1 411	1 565
Russia	801	1 077	1 510	1 970	1 631	2 247
Norway	100	131	126	175	243	448
OPEC	326	22	252	329	135	471
Imports by product						
<i>among which:</i>						
Motor spirit	1 123	1 080	1 625	1 190	934	814
Kerosene and jet fuel	1 110	1 292	1 187	884	671	260
Gas/diesel oil	6 657	8 300	9 693	8 165	7 312	7 705
Residual fuel oil	4 457	5 364	5 982	7 097	7 002	7 641
Exports by product						
<i>among which:</i>						
Motor spirit	4 859	4 991	4 814	5 148	4 625	3 717
Kerosene and jet fuel	1 636	1 974	1 617	1 434	1 438	1 385
Gas/diesel oil	7 419	8 193	8 919	7 932	8 703	8 423
Residual fuel oil	4 024	4 430	4 723	4 461	4 125	4 321
Consumption						
Inputs to electricity plants						
Inputs to heating plants	270	452	428	341	192	59
Non-energy use	-	-	-	-	-	-
Final energy consumption	5 538	5 830	6 467	5 974	6 162	7 051
	17 455	16 397	16 271	15 286	14 285	16 438
Industry	1 506	1 134	1 143	1 247	1 037	757
<i>among which by product:</i>						
Gas/diesel oil	304	292	283	233	215	100
Residual fuel oil	830	677	651	670	523	531

	BELGIQUE / BELGIË					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	32	31	36	19	28	14
Non-ferrous metals	46	28	36	36	31	9
Chemical industry	208	150	171	155	131	69
Non-met. mineral prod.	396	321	326	338	292	294
Food, drink, tobacco	178	178	148	102	88	45
Pulp, paper and print	45	43	43	28	31	25
Engineering & metal	26	24	26	24	20	15
Other industries	566	349	351	543	413	279
Transport	9 796	9 861	9 542	9 250	9 135	10 721
<i>among which:</i>						
Motor spirit	2 107	1 934	1 764	1 467	1 397	1 457
Jet fuel	1 503	1 387	1 247	1 151	992	1 992
Diesel oil	5 937	6 458	6 384	6 551	6 683	7 210
Services & households etc.	6 153	5 402	5 586	4 789	4 113	4 960
<i>among which:</i>						
Gas oil	5 088	5 053	5 082	4 439	3 659	4 678
Residual fuel oil	829	116	318	203	303	64
Stocks at end of period						
Crude oil and feedstocks	797	793	641	693	840	894
Petroleum products	3 080	3 032	3 419	3 631	2 771	3 146

5. Natural gas

<i>in TJ (GCV)</i>	BELGIQUE / BELGIË					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	662 591	677 290	689 306	699 213	693 125	693 086
Total exports	-	-	-	-	-	-
Stock changes	7 390	506	-4 168	-1 291	1 350	-2 815
Gross inland consumption	669 981	677 796	685 138	697 922	694 475	690 271
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	126 371	113 551	128 211	118 639	15 343	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	6 388	-	-
Norway	215 374	251 582	211 617	214 725	230 194	255 439
Oman	-	-	-	-	-	-
Qatar	-	-	-	16 946	87 502	92 237
Russia	-	15 322	33 776	28 194	31 528	33 798
Consumption						
Inputs to electricity plants	183 960	181 792	188 782	187 429	199 895	196 828
Inputs to heat plants	-	-	142	121	-	-
Consumption of energy branch	2 344	2 779	3 220	3 167	8 767	3 101
Distribution losses	-	-	-	-	-	-
Non-energy use	39 298	39 697	41 197	39 788	42 455	41 483
Industry	204 034	205 857	185 980	218 951	225 986	214 510
<i>among which:</i>						
Iron&steel industry	34 024	35 777	33 836	34 302	30 632	29 241
Non-ferrous metals	5 479	5 278	4 940	5 976	6 367	4 364
Chemical industry	81 914	81 061	88 201	92 840	96 453	94 999
Non-met. mineral prod.	25 528	28 534	17 233	19 568	18 935	23 440
Food, drink, tobacco	21 964	21 964	20 037	24 619	23 127	21 496
Pulp, paper and print	6 473	6 851	4 262	6 504	10 837	6 038
Engineering & metal	12 542	13 457	5 079	9 742	11 191	8 808
Other industries	8 366	5 191	7 873	17 052	16 603	20 174
Transport	-	-	-	-	-	-
Services & households etc.	245 027	257 396	256 560	246 221	223 752	240 193
<i>among which:</i>						
Households	167 411	175 154	173 340	160 808	152 530	153 477
Services	77 616	82 242	83 220	85 413	71 222	86 716

6.1 Hard coal

<i>in 1 000 t</i>	BELGIQUE / BELGIË					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	9 390	9 790	8 804	8 056	7 415	7 436
Total exports	961	1 314	1 229	1 078	1 470	1 213
Stock changes	105	-234	-133	176	573	-337
Gross inland consumption	8 663	8 423	7 551	7 183	6 518	5 887
Imports						
Imports by origin						
<i>among which:</i>						
Australia	2 339	2 623	2 950	2 137	2 320	2 255
Colombia	12	64	5	4	27	209
Russia	915	1 263	944	786	1 010	548
South Africa	3 607	3 094	2 081	2 260	1 641	1 937
USA	1 735	1 659	1 714	1 835	1 729	1 853
Consumption						
Inputs to electricity plants	3 618	2 974	3 045	2 609	2 192	1 953
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	948	942	841	754	722	804
<i>among which:</i>						
Iron&steel industry	712	642	597	516	450	478
Non-ferrous metals	-	-	-	-	-	13
Chemical industry	-	6	6	5	31	34
Non-met. mineral prod.	111	168	116	134	108	172
Food, drink, tobacco	59	59	25	20	40	46
Pulp, paper and print	46	58	44	30	45	43
Engineering & metal	13	6	39	31	19	-
Other industries	7	3	14	18	29	12
Services & households etc.	234	256	188	184	168	232

6.2 Coal derivatives and peat

		BELGIQUE / BELGIË					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		2 861	2 965	2 856	2 895	2 607	2 309
Patent Fuel		11	10	7	5	4	6
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		21 094	22 393	21 868	21 259	21 034	16 926
Blast-furnace gas		36 381	38 298	33 776	34 998	30 630	32 490
Gasworks gas		-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		2 151	2 044	1 827	1 785	1 592	1 835
	<i>among which:</i>						
Iron & steel industry		2 092	1 980	1 743	1 686	1 534	1 835
Services & households etc.		3	-	8	9	5	-
Patent Fuel		5	8	8	8	6	11
	<i>among which:</i>						
Services & households etc.		5	8	8	8	6	11
Lignite and peat		189	189	206	290	316	278
	<i>among which:</i>						
Industry		189	189	206	290	316	278
Services & households etc.		-	-	-	-	-	-
Brown coal briquettes		4	12	10	15	7	14
	<i>among which:</i>						
Industry		-	8	-	5	-	-
Services & households etc.		4	4	10	10	7	14
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		9 285	9 129	8 986	8 414	8 325	8 745
Blast-furnace gas		19 154	17 758	12 674	11 497	10 108	10 118
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		19 189	23 494	23 411	27 536	24 514	23 849
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		9 847	10 301	10 573	8 810	8 717	6 704
Consumption in industry		28 439	26 887	21 660	19 911	18 433	18 863

7. Renewable energy sources

		BELGIQUE / BELGIË					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	992	1 040	1 176	1 335	1 348	1 806
Hydro (excl. pumping)		21	27	25	31	33	35
Wind		8	11	20	31	42	55
Solar		2	3	3	3	5	9
Geothermal		2	2	2	2	3	3
Biomass		959	997	1 127	1 267	1 264	1 704
	<i>among which:</i>						
Wood, wood-waste		440	471	528	570	649	768
Municipal solid waste		467	454	490	589	368	562
Biogas		52	72	93	80	81	86
Gross inland consumption		1 151	1 246	1 458	1 767	1 758	2 174
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	2	2
Biomass		574	638	769	1 001	923	1 215
	<i>among which:</i>						
Wood, wood-waste		63	115	194	297	438	548
Municipal waste		467	454	490	589	368	562
Biogas		44	69	68	68	75	77
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	548	569	646	704	754	864
	<i>by sector:</i>						
Industry		351	375	447	485	440	513
Services & households etc.		197	194	199	219	224	250
Transport		-	-	-	-	90	101
	<i>by source:</i>						
Biomass		544	565	641	699	748	857
	<i>among which:</i>						
Wood, wood-waste		536	560	616	676	645	734
Municipal waste		-	-	-	-	-	-
Biogas		8	5	25	11	4	8
Geothermal		2	2	2	2	1	1
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	1	1	2	6	41
Hydro with installed capacity < 1 MW		14	22	15	20	26	26
Hydro with installed capacity > 1 & <10 MW		133	163	151	189	200	207
Hydro with installed capacity > 10 MW		100	125	114	150	164	176
Wood, Wood-waste		377	513	960	1 406	1 818	2 484
Municipal waste		788	789	850	1 090	805	1 029
Biogas		174	233	304	279	289	334

		BELGIQUE / BELGIË					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		1	1	2	2	20	62
Hydro with installed capacity < 1 MW		6	8	8	8	8	9
Hydro with installed capacity > 1 & <10 MW		53	52	54	49	50	50
Hydro with installed capacity > 10 MW		51	55	55	50	52	52
Wood, Wood-waste		121	130	293	307	329	442
Municipal waste		133	132	139	196	177	185
Biogas		42	50	56	53	68	88
Liquid biofuels							
Production	<i>1000 t</i>	-	-	19	33	183	323
Solar Panels							
Solar panel surface	<i>1000 m²</i>	58	74	77	110	139	176

1. Energy economy

Key figures and energy indicators

		BULGARIJA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	10 098	10 169	10 553	10 911	9 805	10 060
Net energy imports		9 306	9 241	9 518	9 540	10 474	10 543
Net oil imports		4 673	4 446	5 186	5 176	5 050	5 006
Net gas imports		2 356	2 389	2 458	2 609	2 753	2 804
Gross inland energy consumption		19 567	19 013	20 024	20 567	20 250	20 034
Final energy consumption		9 418	9 228	9 680	10 109	9 869	9 614
Industry		3 812	3 771	3 832	3 911	3 940	3 539
Transport		2 291	2 374	2 570	2 772	2 690	2 841
Services and households etc.		3 315	3 083	3 278	3 426	3 239	3 233
Gross electricity generation	<i>GWh</i>	42 600	41 621	44 365	45 843	43 297	45 037
Final electricity consumption		25 110	24 882	25 678	26 867	27 193	28 632
Socio-economic statistics							
Population	<i>1000 per.</i>	7 846	7 801	7 761	7 719	7 679	7 640
Total imports (current prices)	<i>Mio EUR</i>	11 377	13 620	16 716	21 031	24 705	28 404
among which:							
All energy commodities		:	:	:	:	4 301	5 475
Oil products		:	:	:	:	3 270	4 028
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	2 494	2 437	2 580	2 665	2 637	2 622
Final energy consumption / capita		1 200	1 183	1 247	1 310	1 285	1 258
Household consumption / capita		290	270	276	282	270	278
Final electricity consumption / capita	<i>kWh/cap.</i>	3 200	3 189	3 309	3 481	3 541	3 748
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	47.2	48.3	47.3	46.1	51.6	52.3
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	48.1	48.5	48.3	49.1	48.7	48.0
Efficiency of thermal power stations		41.5	42.1	41.7	42.1	42.5	45.3

2. Energy balance

Principal aggregates by product

in 1 000 toe	BULGARIJA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	10 098	10 169	10 553	10 911	9 805	10 060
<i>among which:</i> Hard coal	21	-	4	13	13	17
Lignite and peat	4 625	4 524	4 174	4 295	4 758	4 799
Crude oil	30	31	30	28	26	24
Natural Gas	13	267	384	374	236	156
Nuclear heat	4 457	4 337	4 812	5 028	3 777	4 067
Hydro-electricity	260	272	373	364	247	243
Biomass	691	737	743	774	711	711
Imports						
Total	11 396	12 182	12 882	14 066	14 995	15 113
<i>among which:</i> Hard coal	2 455	2 856	2 490	2 339	2 896	3 157
Crude oil and feedstocks	5 323	5 821	6 423	7 267	7 270	7 449
Petroleum products	989	946	1 364	1 637	1 626	1 362
Natural Gas	2 356	2 389	2 458	2 609	2 753	2 804
Electricity	103	64	69	98	263	266
Exports						
Total	2 090	2 941	3 363	4 526	4 520	4 570
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 639	2 321	2 602	3 728	3 846	3 805
Natural gas	-	-	-	-	-	-
Electricity	441	569	721	764	648	726
Gross inland consumption						
Total	19 567	19 013	20 024	20 567	20 250	20 034
<i>among which:</i> Solid fuels	7 323	7 248	6 910	6 964	7 836	7 525
Crude oil and petrol. prod.	4 654	4 429	4 969	5 141	4 982	4 935
Natural gas	2 501	2 493	2 804	2 901	3 010	2 914
Nuclear Energy	4 457	4 337	4 812	5 028	3 777	4 067
Renewables	942	980	1 123	1 140	962	974
Transformation input						
Total	18 692	18 574	19 747	20 657	20 221	20 251
<i>among which:</i> Crude oil and feedstocks	5 438	5 969	6 683	7 418	7 394	7 443
Natural gas	995	896	977	1 009	977	981
Petroleum products	257	234	203	118	161	126
Hard coal	2 270	2 194	2 249	2 178	2 471	2 292
Lignite and peat	4 678	4 354	4 163	4 243	4 763	4 706
Renewables	-	-	4	1	0	1
Transformation output						
Total	11 501	11 816	12 523	13 330	13 038	13 269
<i>among which:</i> Electricity	3 379	3 290	3 408	3 546	3 441	3 580
Heat	1 287	1 212	1 277	1 238	1 246	1 448

		BULGARIJA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		9 418	9 228	9 680	10 109	9 869	9 614
<i>among which:</i>	Solid fuels	1 118	1 042	968	948	978	734
	Petroleum products	3 449	3 434	3 640	3 854	3 717	3 584
	Natural Gas	814	793	933	1 079	1 084	1 036
	Renewables	682	709	745	773	710	720
	Electricity	2 159	2 139	2 208	2 310	2 338	2 462
Final energy consumption by sector							
Industry							
Total		3 812	3 771	3 832	3 911	3 940	3 539
<i>among which:</i>	Solid fuels	750	774	703	659	744	510
	Petroleum Products	863	808	778	816	819	607
	Natural Gas	767	729	830	933	911	846
	Renewables	58	63	94	79	51	27
	Electricity	791	835	846	863	875	935
Transport							
Total		2 291	2 374	2 570	2 772	2 690	2 841
<i>among which:</i>	Motor spirit	617	589	573	636	627	630
	Diesel oil	1 101	1 244	1 404	1 467	1 386	1 555
	Jet fuel	182	172	200	204	223	224
	Electricity	37	36	36	34	32	30
Services & households etc.							
Total		3 315	3 083	3 278	3 426	3 239	3 233
<i>among which:</i>	Solid fuels	368	268	266	290	235	224
	Gas oil	284	242	245	254	232	157
	Natural Gas	48	59	84	121	135	155
	Renewables	623	646	651	689	657	690
	Electricity	1 331	1 268	1 326	1 413	1 431	1 497
	Heat	612	548	604	582	502	463

3.1 Electricity balance

	BULGARIJA					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	42 600	41 621	44 365	45 843	43 297	45 037
<i>among which:</i>						
Hydro	3 301	3 363	4 730	4 579	3 234	3 277
Wind	-	1	5	20	47	122
Geothermal	-	-	-	-	-	-
Nuclear	17 280	16 815	18 653	19 493	14 643	15 765
Conventional thermal	22 019	21 442	20 977	21 751	25 373	25 873
<i>of which:</i>						
Hard coal	4 525	3 950	4 342	4 796	5 940	6 051
Lignite and peat	14 712	14 952	14 116	14 287	16 428	17 130
Petroleum products	789	822	606	379	568	277
Natural gas	1 762	1 494	1 729	2 159	2 336	2 360
Derived gases	225	205	167	123	95	39
Biomass	-	-	-	-	-	-
Industrial wastes	6	19	17	7	6	16
Total net generation	38 474	37 544	40 281	41 601	39 067	40 695
Imports and exports						
Total imports	1 194	741	799	1 139	3 058	3 097
Total exports	5 125	6 620	8 380	8 882	7 533	8 441
Consumption and losses						
Consumption of the energy branch	5 701	5 528	5 831	5 928	6 276	5 902
<i>of which:</i>						
Consumption for pumped-storage	209	92	151	128	186	258
Network losses	6 026	5 092	4 883	4 907	4 692	4 669
Final energy consumption	25 110	24 882	25 678	26 867	27 193	28 632
<i>of which:</i>						
Industry	9 197	9 713	9 838	10 034	10 179	10 876
<i>among which:</i>						
Iron&steel industry	1 959	1 868	1 740	1 944	1 791	1 595
Non-ferrous metals	753	820	816	833	849	929
Chemical industry	1 536	1 580	1 677	1 742	1 807	2 031
Non-met. mineral prod.	638	698	790	877	983	977
Food, drink, tobacco	869	1 117	1 240	1 068	1 057	1 281
Pulp, paper and print	464	651	490	393	320	397
Engineering & metal	903	862	927	889	943	1 043
Other industries	691	737	712	800	877	1 128
Transport	436	421	413	394	377	348
Services & households etc.	15 477	14 748	15 427	16 439	16 637	17 408
<i>among which:</i>						
Households	9 311	8 770	9 046	9 305	9 376	10 027

3.2 Electrical capacity, fuel inputs and heat

		BULGARIJA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	12 330	12 260	12 260	12 015	9 700	9 637
<i>by source:</i>							
Conventional thermal		6 759	6 689	6 682	6 418	4 902	4 647
<i>of which:</i>							
Steam		6 759	6 689	6 682	6 418	4 902	4 474
Gas turbine		-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-
Internal combustion		-	-	-	-	-	-
Nuclear		2 723	2 722	2 722	2 722	1 892	1 892
Hydro		2 848	2 848	2 848	2 848	2 876	2 984
<i>among which:</i>							
Pumped storage		864	864	864	864	864	864
Wind		-	1	8	27	30	114
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		11 657	11 708	11 997	11 802	9 508	9 456
Autoproducers		340	270	263	213	192	181
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	6 929	6 607	6 520	6 594	7 513	7 566
<i>among which:</i>							
Hard coal		1 440	1 392	1 530	1 608	1 869	1 996
Lignite and peat		4 183	3 969	3 701	3 722	4 214	4 149
Petroleum products		217	196	172	92	135	108
Natural gas		724	658	644	690	774	758
Renewables		-	-	-	-	-	-
Heating plants		312	276	371	346	229	245
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		40	37	31	26	26	19
Natural gas		271	238	334	319	203	223
Renewables		-	-	4	1	0	1
Heat production and consumption							
Total heat production	1 000 toe	1 287	1 212	1 277	1 238	1 246	1 448
<i>among which: in heating plants</i>		287	259	345	317	217	226
Heat consumption		914	866	939	899	815	925
<i>of which: in industry</i>		302	318	335	318	313	463
in households and services		612	548	604	582	502	463
<i>among which: in households</i>		475	424	438	420	377	352

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	BULGARIJA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	30	30	30	28	26	24
Total imports	5 237	5 719	6 338	7 155	7 165	7 319
Total exports	-	-	-	-	-	-
Stock changes	-32	-33	115	-15	-39	-96
Refinery intake	5 351	5 865	6 594	7 303	7 287	7 314
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	68	70	-	-	-	-
Near and Middle East	68	70	-	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	662	505	523	677	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	3 689	4 714	5 406	6 318	4 600	5 086
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	68	70	-	-	-	-

4.2 Petroleum products

	BULGARIJA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Production and supply						
Total refinery output	5 175	5 769	6 279	7 136	7 051	7 149
<i>among which:</i>						
Motor spirit	967	1 401	1 381	1 560	1 466	1 571
Kerosene and jet fuel	145	142	144	151	183	199
Naphtha	663	546	521	583	616	628
Gas/diesel oil	1 878	1 912	2 265	2 521	2 376	2 397
Residual fuel oil	718	958	1 217	1 512	1 550	1 596
Total imports	1 025	978	1 425	1 673	1 699	1 394
Total exports	1 623	2 302	2 581	3 700	3 828	3 778
Bunkers	137	115	110	106	52	122
Stock changes	105	83	-287	43	-45	91
Gross inland consumption	-630	-1 356	-1 553	-2 086	-2 226	-2 415
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	13	3	-	-	1	-
United Kingdom	-	-	-	-	-	-
Russia	8	3	2	17	53	30
Norway	-	6	1	12	-	-
OPEC	156	174	317	156	138	2
Imports by product						
<i>among which:</i>						
Motor spirit	63	72	140	263	222	191
Kerosene and jet fuel	50	50	52	41	40	24
Gas/diesel oil	183	180	362	582	541	523
Residual fuel oil	131	136	93	77	78	56
Exports by product						
<i>among which:</i>						
Motor spirit	443	907	933	1 187	1 078	1 197
Kerosene and jet fuel	20	25	6	-	-	3
Gas/diesel oil	512	467	665	1 085	1 189	1 086
Residual fuel oil	503	851	919	1 286	1 414	1 333
Consumption						
Inputs to electricity plants						
Inputs to heating plants	229	206	187	95	138	108
Non-energy use	42	39	32	27	27	19
Final energy consumption	514	485	536	572	577	657
	3 420	3 399	3 609	3 832	3 694	3 538
Industry	925	862	844	895	896	661
<i>among which by product:</i>						
Gas/diesel oil	81	78	80	88	71	49
Residual fuel oil	243	225	205	209	186	138

	BULGARIJA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	-	-	2	2	1	-
Non-ferrous metals	37	34	39	38	21	30
Chemical industry	348	317	244	212	249	167
Non-met. mineral prod.	285	275	332	405	409	314
Food, drink, tobacco	78	69	52	66	73	48
Pulp, paper and print	30	31	33	12	25	19
Engineering & metal	22	18	17	15	13	13
Other industries	76	68	80	99	71	50
Transport	2 168	2 248	2 428	2 610	2 524	2 677
<i>among which:</i>						
Motor spirit	587	560	545	605	597	599
Jet fuel	177	167	195	199	217	218
Diesel oil	1 082	1 223	1 380	1 442	1 362	1 528
Services & households etc.	327	289	337	327	274	200
<i>among which:</i>						
Gas oil	279	238	241	250	228	154
Residual fuel oil	25	29	33	54	22	23
Stocks at end of period						
Crude oil and feedstocks	253	286	171	186	225	321
Petroleum products	511	428	715	672	717	626

5. Natural gas

<i>in TJ (GCV)</i>	BULGARIJA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	597	12 432	17 884	17 391	10 966	7 273
Total imports	109 593	111 129	114 340	121 355	128 088	130 460
Total exports	-	-	-	-	-	-
Stock changes	6 136	-7 602	-1 778	-3 810	991	-2 164
Gross inland consumption	116 326	115 959	130 446	134 936	140 045	135 569
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	109 593	111 129	114 340	121 355	128 088	130 460
Consumption						
Inputs to electricity plants	33 658	30 608	29 939	32 105	36 013	35 284
Inputs to heat plants	12 621	11 093	15 529	14 852	9 437	10 367
Consumption of energy branch	7 334	9 790	12 956	13 805	15 355	13 769
Distribution losses	3 764	3 704	2 343	1 817	2 071	1 767
Non-energy use	19 656	23 055	24 586	18 763	21 591	21 732
Industry	35 663	33 894	38 607	43 380	42 400	39 374
<i>among which:</i>						
Iron&steel industry	13 871	11 916	12 077	12 444	12 491	10 030
Non-ferrous metals	349	469	741	788	758	849
Chemical industry	6 283	5 627	8 723	10 554	7 811	6 668
Non-met. mineral prod.	5 862	6 534	7 095	8 713	9 787	10 323
Food, drink, tobacco	3 317	3 266	3 664	4 052	4 395	4 644
Pulp, paper and print	2 202	2 483	2 396	2 546	2 460	2 161
Engineering & metal	1 194	1 234	1 440	1 599	1 529	1 674
Other industries	560	519	467	460	884	945
Transport	-	270	888	1 175	1 720	1 630
Services & households etc.	2 221	2 724	3 917	5 628	6 298	7 204
<i>among which:</i>						
Households	144	268	655	1 138	1 524	1 810
Services	1 304	1 456	2 027	3 001	3 265	3 778

6.1 Hard coal

	BULGARIJA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	51	-	9	27	35	41
Total imports	3 930	4 678	4 088	3 902	4 842	5 421
Total exports	4	3	-	-	1	27
Stock changes	187	-438	264	330	-140	-798
Gross inland consumption	4 164	4 237	4 361	4 259	4 736	4 637
Imports						
Imports by origin						
<i>among which:</i>						
Australia	505	576	267	156	44	-
Colombia	-	-	-	-	-	-
Russia	1 287	1 119	1 160	1 468	1 039	1 280
South Africa	-	-	-	-	-	-
USA	670	466	356	532	656	343
Consumption						
Inputs to electricity plants	2 444	2 408	2 608	2 666	3 210	3 522
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	3	-	-
Industry	401	487	462	399	543	415
<i>among which:</i>						
Iron&steel industry	38	7	40	26	14	16
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	44	125	111	115	119	121
Non-met. mineral prod.	246	255	204	142	265	225
Food, drink, tobacco	31	36	35	40	18	20
Pulp, paper and print	32	-	-	-	-	-
Engineering & metal	-	1	2	2	2	5
Other industries	1	55	62	66	121	3
Services & households etc.	172	187	235	264	264	249

6.2 Coal derivatives and peat

		BULGARIJA					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		846	832	743	669	525	335
Patent Fuel		-	-	-	-	-	-
Lignite and peat		27 248	26 452	24 686	25 651	28 418	28 748
Brown coal briquettes		1 303	1 078	1 491	1 905	2 089	1 991
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		6 577	6 222	5 501	4 760	3 866	2 151
Blast-furnace gas		9 636	8 295	7 578	7 546	6 562	3 202
Gasworks gas		-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		730	628	563	550	588	326
	<i>among which:</i>						
Iron & steel industry		599	528	503	501	530	277
Services & households etc.		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
	<i>among which:</i>						
Services & households etc.		-	-	-	-	-	-
Lignite and peat		229	225	198	213	138	141
	<i>among which:</i>						
Industry		32	68	71	49	54	42
Services & households etc.		197	157	127	164	84	99
Brown coal briquettes		561	346	243	220	152	82
	<i>among which:</i>						
Industry		7	6	5	5	2	-
Services & households etc.		554	339	238	215	150	82
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		2 453	1 863	1 550	1 339	941	497
Blast-furnace gas		8 373	7 211	6 577	6 692	5 815	2 788
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		1 702	1 622	1 410	1 166	955	486
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		3 685	3 821	3 542	3 108	2 717	1 581
Consumption in industry		10 826	9 074	8 127	8 031	6 756	3 285

7. Renewable energy sources

		BULGARIJA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	952	1 009	1 149	1 173	995	997
Hydro (excl. pumping)		260	272	373	364	247	243
Wind		-	0	0	2	4	10
Solar		-	-	-	-	-	-
Geothermal		-	-	33	33	33	33
Biomass		691	737	743	774	711	711
	<i>among which:</i>						
Wood, wood-waste		691	737	743	769	709	700
Municipal solid waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Gross inland consumption		942	980	1 123	1 140	962	974
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		-	-	4	1	0	1
	<i>among which:</i>						
Wood, wood-waste		-	-	4	1	0	1
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	682	709	745	773	710	720
	<i>by sector:</i>						
Industry		58	63	94	79	51	27
Services & households etc.		623	646	651	689	657	690
Transport		-	-	-	5	2	4
	<i>by source:</i>						
Biomass		682	709	713	740	678	688
	<i>among which:</i>						
Wood, wood-waste		682	709	713	735	675	684
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		-	-	33	33	33	33
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		50	53	72	70	74	108
Hydro with installed capacity > 1 & <10 MW		438	458	627	618	432	417
Hydro with installed capacity > 10 MW		2 541	2 657	3 638	3 550	2 367	2 299
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-

		BULGARIJA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		25	25	25	25	31	39
Hydro with installed capacity > 1 & <10 MW		200	200	200	200	159	191
Hydro with installed capacity > 10 MW		1 759	1 759	1 759	1 759	1 822	1 890
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>	-	-	0	9	4	12
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		ČESKÁ REPUBLIKA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	34 073	32 781	30 770	33 216	33 372	32 496
Net energy imports		11 397	11 742	13 653	12 921	11 592	12 462
Net oil imports		8 459	9 061	9 813	9 703	9 658	9 692
Net gas imports		7 698	7 094	7 535	7 913	6 710	7 025
Gross inland energy consumption		45 613	45 883	44 417	46 373	46 263	45 080
Final energy consumption		25 747	26 274	26 026	26 460	25 862	25 353
Industry		9 653	10 034	9 762	9 599	9 644	9 112
Transport		5 481	5 796	6 172	6 301	6 627	6 463
Services and households etc.		10 613	10 444	10 091	10 560	9 592	9 778
Gross electricity generation	GWh	83 227	84 333	82 578	84 361	88 198	83 518
Final electricity consumption		52 376	53 801	55 246	56 967	57 197	58 001
Socio-economic statistics							
Population	1000 per.	10 203	10 212	10 221	10 251	10 287	10 381
Total imports (current prices)	Mio EUR	51 842	61 855	69 167	82 944	95 537	106 706
among which:							
All energy commodities		:	2 186	4 099	5 299	6 706	10 039
Oil products		:	1 888	3 715	4 418	4 336	5 978
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	4 470	4 493	4 346	4 524	4 497	4 342
Final energy consumption / capita		2 523	2 573	2 546	2 581	2 514	2 442
Household consumption / capita		622	612	606	636	575	559
Final electricity consumption / capita	kWh/cap.	5 133	5 269	5 405	5 557	5 560	5 587
Energy dependency							
Net energy imports / Gross consumption	in %	25.0	25.6	30.7	27.9	25.1	27.6
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	56.4	57.3	58.6	57.1	55.9	56.2
Efficiency of thermal power stations		47.7	47.1	46.0	45.6	44.9	45.2

2. Energy balance

Principal aggregates by product

	ČESKÁ REPUBLIKA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	34 073	32 781	30 770	33 216	33 372	32 496
<i>among which:</i> Hard coal	9 766	8 519	6 746	8 507	8 501	8 338
Lignite and peat	15 596	15 043	15 160	15 354	15 303	14 447
Crude oil	321	310	317	269	249	246
Natural Gas	131	162	154	147	164	161
Nuclear heat	6 674	6 791	6 379	6 719	6 751	6 849
Hydro-electricity	119	174	205	219	180	174
Biomass	1 394	1 743	1 803	1 973	2 210	2 256
Imports						
Total	19 900	19 864	21 135	21 993	20 937	21 759
<i>among which:</i> Hard coal	836	984	758	1 322	1 559	1 442
Crude oil and feedstocks	6 530	6 586	7 916	7 980	7 379	8 303
Petroleum products	3 189	3 441	3 166	2 917	3 309	2 740
Natural Gas	7 740	7 166	7 604	8 016	7 037	7 815
Electricity	867	841	1 062	986	877	733
Exports						
Total	8 503	8 122	7 482	9 072	9 345	9 297
<i>among which:</i> Crude oil and feedstocks	135	65	59	43	17	20
Petroleum products	1 125	901	1 210	1 152	1 012	1 332
Natural gas	41	72	69	102	327	790
Electricity	2 261	2 192	2 148	2 072	2 266	1 719
Gross inland consumption						
Total	45 613	45 883	44 417	46 373	46 263	45 080
<i>among which:</i> Solid fuels	22 006	21 067	19 401	21 037	21 375	19 755
Crude oil and petrol. prod.	8 905	9 712	10 068	10 041	10 037	9 939
Natural gas	7 842	7 788	7 703	7 576	7 185	7 120
Nuclear Energy	6 674	6 791	6 379	6 719	6 751	6 849
Renewables	1 514	1 781	1 824	1 972	2 180	2 261
Transformation input						
Total	34 649	35 218	35 560	35 999	36 165	36 132
<i>among which:</i> Crude oil and feedstocks	6 831	7 132	8 278	8 350	7 904	8 766
Natural gas	1 267	1 393	1 300	1 155	934	821
Petroleum products	292	250	237	172	122	138
Hard coal	5 306	5 256	4 740	4 941	5 242	4 982
Lignite and peat	12 568	12 559	12 991	12 858	13 325	12 648
Renewables	294	368	273	296	354	427
Transformation output						
Total	21 706	21 961	22 577	22 727	22 246	22 835
<i>among which:</i> Electricity	7 002	7 030	6 838	6 969	7 356	6 956
Heat	3 518	3 449	3 326	3 136	2 899	2 921

		ČESKÁ REPUBLIKA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		25 747	26 274	26 026	26 460	25 862	25 353
<i>among which:</i>	Solid fuels	4 134	4 107	3 686	4 081	3 438	3 096
	Petroleum products	6 424	6 799	6 940	6 895	7 248	6 971
	Natural Gas	6 294	6 186	6 155	6 167	5 872	5 920
	Renewables	1 098	1 238	1 344	1 436	1 636	1 631
	Electricity	4 504	4 626	4 750	4 898	4 918	4 987
Final energy consumption by sector							
Industry							
Total		9 653	10 034	9 762	9 599	9 644	9 112
<i>among which:</i>	Solid fuels	3 117	3 071	3 049	3 035	2 813	2 539
	Petroleum Products	616	800	563	391	473	416
	Natural Gas	2 522	2 483	2 418	2 375	2 521	2 380
	Renewables	210	258	384	398	405	394
	Electricity	1 767	1 922	1 990	2 030	2 079	2 052
Transport							
Total		5 481	5 796	6 172	6 301	6 627	6 463
<i>among which:</i>	Motor spirit	2 210	2 202	2 162	2 114	2 208	2 067
	Diesel oil	2 738	2 956	3 386	3 552	3 721	3 612
	Jet fuel	258	331	344	348	378	397
	Electricity	188	186	184	185	193	180
Services & households etc.							
Total		10 613	10 444	10 091	10 560	9 592	9 778
<i>among which:</i>	Solid fuels	1 009	1 031	630	1 039	620	552
	Gas oil	338	354	347	343	341	357
	Natural Gas	3 764	3 692	3 727	3 780	3 346	3 535
	Renewables	888	949	958	1 035	1 198	1 127
	Electricity	2 549	2 517	2 577	2 683	2 646	2 755
	Heat	1 869	1 814	1 786	1 609	1 387	1 412

3.1 Electricity balance

	ČESKÁ REPUBLIKA					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	83 227	84 333	82 578	84 361	88 198	83 518
<i>among which:</i>						
Hydro	1 794	2 562	3 027	3 257	2 523	2 376
Wind	4	10	21	49	125	245
Geothermal	-	-	-	-	-	-
Nuclear	25 872	26 325	24 728	26 046	26 172	26 551
Conventional thermal	55 557	55 436	54 802	55 008	59 376	54 333
<i>of which:</i>						
Hard coal	5 645	5 952	5 562	6 030	7 235	5 794
Lignite and peat	45 136	44 355	43 960	43 619	46 560	42 983
Petroleum products	368	348	326	258	115	131
Natural gas	3 243	3 184	3 369	3 288	3 175	2 919
Derived gases	668	876	846	885	1 088	1 045
Biomass	497	721	739	926	1 203	1 457
Industrial wastes	-	-	-	2	-	4
Total net generation	76 659	77 919	76 192	77 884	81 412	77 085
Imports and exports						
Total imports	10 086	9 776	12 351	11 466	10 204	8 520
Total exports	26 299	25 493	24 985	24 097	26 357	19 989
Consumption and losses						
Consumption of the energy branch	9 140	9 188	9 024	9 171	9 499	9 034
<i>of which:</i>						
Consumption for pumped-storage	141	187	220	239	158	125
Network losses	5 087	5 084	5 027	4 885	4 915	4 662
Final energy consumption	52 376	53 801	55 246	56 967	57 197	58 001
<i>of which:</i>						
Industry	20 550	22 358	23 145	23 613	24 173	23 870
<i>among which:</i>						
Iron&steel industry	3 530	3 560	3 439	3 389	3 138	3 069
Non-ferrous metals	280	291	329	336	306	326
Chemical industry	3 641	3 771	3 881	3 881	3 879	3 446
Non-met. mineral prod.	2 381	2 432	2 537	2 489	2 701	2 651
Food, drink, tobacco	1 557	1 594	1 590	1 603	1 572	1 635
Pulp, paper and print	1 239	1 766	1 888	1 904	1 917	1 769
Engineering & metal	3 873	4 645	4 983	5 355	5 816	5 963
Other industries	2 714	2 975	3 142	3 446	3 661	3 919
Transport	2 182	2 168	2 136	2 154	2 249	2 094
Services & households etc.	29 644	29 275	29 965	31 200	30 775	32 037
<i>among which:</i>						
Households	14 508	14 525	14 719	15 198	14 646	14 703

3.2 Electrical capacity, fuel inputs and heat

		ČESKÁ REPUBLIKA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	17 343	17 434	17 412	17 507	17 558	17 685
<i>by source:</i>							
Conventional thermal		11 423	11 498	11 456	11 528	11 508	11 583
<i>of which:</i>							
Steam		10 679	10 748	10 693	10 731	10 694	10 688
Gas turbine		-	-	-	-	-	-
Combined cycle		726	734	734	739	755	837
Internal combustion		18	16	29	58	59	58
Nuclear		3 760	3 760	3 760	3 760	3 760	3 760
Hydro		2 149	2 160	2 167	2 175	2 176	2 192
<i>among which:</i>							
Pumped storage		1 145	1 145	1 147	1 147	1 147	1 147
Wind		11	16	29	44	114	150
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		15 170	15 197	15 122	15 155	15 216	15 780
Autoproducers		2 173	2 237	2 290	2 353	2 346	1 959
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	15 622	15 701	15 729	15 592	16 428	15 398
<i>among which:</i>							
Hard coal		2 062	2 011	1 717	1 841	2 362	1 950
Lignite and peat		11 756	11 774	12 285	12 126	12 592	11 988
Petroleum products		206	163	152	102	64	78
Natural gas		704	748	675	586	423	314
Renewables		238	315	223	248	300	358
Heating plants		993	1 017	922	880	713	747
<i>among which:</i>							
Hard coal		77	58	34	83	6	20
Lignite and peat		182	167	114	102	78	81
Petroleum products		86	87	85	70	58	60
Natural gas		563	645	625	570	511	507
Renewables		56	53	50	48	53	69
Heat production and consumption							
Total heat production	1 000 toe	3 518	3 449	3 326	3 136	2 899	2 921
<i>among which: in heating plants</i>							
		840	796	769	730	611	614
Heat consumption		2 653	2 614	2 478	2 314	2 096	2 052
<i>of which: in industry</i>							
		784	801	692	704	709	640
<i>in households and services</i>							
		1 869	1 814	1 786	1 609	1 387	1 412
<i>among which: in households</i>							
		1 265	1 188	1 168	1 113	924	949

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	ČESKÁ REPUBLIKA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	317	306	313	265	246	242
Total imports	6 454	6 504	7 825	7 870	7 276	8 170
Total exports	133	64	58	42	17	20
Stock changes	-41	7	-253	-132	-16	-93
Refinery intake	6 751	7 042	8 182	8 235	7 794	8 625
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	289	387	396	211	258	98
Near and Middle East	624	261	40	5	-	15
Africa	289	387	396	211	258	98
<i>by country of origin:</i>						
Algeria	33	199	134	50	192	20
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	129	282	285	391	316	507
Kuwait	-	-	-	-	-	-
Libya	218	188	262	161	66	50
Mexico	-	-	-	-	-	-
Nigeria	38	-	-	-	-	28
Norway	-	-	-	-	-	210
Russia	4 334	4 457	5 501	5 225	4 641	5 419
Saudi Arabia	-	-	-	-	-	-
Syria	624	261	40	5	-	15
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	ČESKÁ REPUBLIKA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	6 710	6 999	8 132	8 179	7 753	8 583
<i>among which:</i>						
Motor spirit	1 324	1 289	1 467	1 594	1 555	1 601
Kerosene and jet fuel	140	147	132	121	145	170
Naphtha	479	561	706	708	627	838
Gas/diesel oil	2 590	2 673	3 067	3 128	2 902	3 460
Residual fuel oil	445	394	581	381	417	335
Total imports	3 116	3 364	3 092	2 865	3 248	2 692
Total exports	1 111	890	1 203	1 134	1 002	1 312
Bunkers	-	-	-	-	-	-
Stock changes	-69	19	-87	-17	-63	-25
Gross inland consumption	2 014	2 529	1 805	1 746	2 201	1 372
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	7	10	8	10	9	10
United Kingdom	2	4	3	5	22	8
Russia	15	17	19	26	17	11
Norway	5	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	986	942	804	623	697	586
Kerosene and jet fuel	104	192	208	233	249	244
Gas/diesel oil	1 280	1 260	1 311	1 262	1 588	1 258
Residual fuel oil	140	205	100	144	118	69
Exports by product						
<i>among which:</i>						
Motor spirit	184	184	162	293	194	234
Kerosene and jet fuel	-	-	-	-	2	1
Gas/diesel oil	640	365	524	360	299	652
Residual fuel oil	80	48	131	89	146	76
Consumption						
Inputs to electricity plants						
Inputs to heating plants	216	170	159	106	67	81
Non-energy use	90	91	89	73	61	63
Final energy consumption	1 924	2 501	2 628	2 705	2 382	2 514
Industry	6 264	6 639	6 765	6 715	7 067	6 795
<i>among which by product:</i>						
Gas/diesel oil	94	105	110	100	83	96
Residual fuel oil	283	466	404	227	250	174

		ČESKÁ REPUBLIKA					
<i>in 1 000 t</i>		2003	2004	2005	2006	2007	2008
Industry							
<i>among which by sector:</i>							
	Iron&steel industry	98	132	103	46	53	36
	Non-ferrous metals	-	-	-	-	-	-
	Chemical industry	28	166	150	55	48	49
	Non-met. mineral prod.	54	59	55	40	49	35
	Food, drink, tobacco	80	67	54	43	24	26
	Pulp, paper and print	9	13	25	21	17	18
	Engineering & metal	41	20	19	16	16	12
	Other industries	305	336	154	164	268	239
Transport		5 110	5 390	5 790	5 914	6 203	5 982
<i>among which:</i>							
	Motor spirit	2 103	2 095	2 057	2 012	2 101	1 967
	Jet fuel	251	322	335	339	368	387
	Diesel oil	2 691	2 905	3 328	3 491	3 657	3 550
Services & households etc.		524	424	398	400	375	385
<i>among which:</i>							
	Gas oil	332	348	341	337	335	351
	Residual fuel oil	124	9	11	16	8	8
Stocks at end of period							
	Crude oil and feedstocks	726	719	972	1 104	1 120	1 213
	Petroleum products	1 447	1 428	1 515	1 533	1 598	1 624

5. Natural gas

<i>in TJ (GCV)</i>	ČESKÁ REPUBLIKA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	6 098	7 555	7 170	6 853	7 630	7 468
Total imports	360 045	333 350	353 726	372 903	327 343	363 565
Total exports	1 928	3 329	3 220	4 767	15 196	36 766
Stock changes	604	24 717	688	-22 556	14 464	-3 024
Gross inland consumption	364 819	362 293	358 364	352 433	334 241	331 243
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	94 651	88 168	84 661	95 851	68 335	78 741
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	265 394	246 182	269 065	275 720	259 008	284 824
Consumption						
Inputs to electricity plants	32 736	34 813	31 402	27 241	19 668	14 622
Inputs to heat plants	26 206	29 992	29 053	26 508	23 789	23 589
Consumption of energy branch	5 563	6 076	7 223	7 057	7 802	8 156
Distribution losses	7 522	3 630	4 370	4 729	4 020	3 499
Non-energy use	-	-	-	-	-	-
Industry	117 342	115 521	112 496	110 495	117 254	110 726
<i>among which:</i>						
Iron&steel industry	12 285	13 652	12 903	13 204	13 210	12 965
Non-ferrous metals	2 555	2 610	2 739	2 660	2 714	1 700
Chemical industry	10 170	11 103	13 074	12 007	12 860	8 938
Non-met. mineral prod.	29 820	29 792	28 949	29 237	29 442	30 253
Food, drink, tobacco	18 520	17 448	17 139	16 554	17 180	13 072
Pulp, paper and print	3 402	2 583	4 542	4 159	4 220	4 494
Engineering & metal	12 440	13 818	18 702	18 621	19 535	19 435
Other industries	23 395	19 207	9 659	9 872	14 017	15 828
Transport	340	492	418	562	220	257
Services & households etc.	175 110	171 769	173 402	175 841	155 674	164 433
<i>among which:</i>						
Households	111 740	109 372	107 487	105 855	94 718	95 246
Services	60 195	59 284	62 759	66 966	57 890	66 702

6.1 Hard coal

	ČESKÁ REPUBLIKA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	13 645	13 303	13 254	13 385	12 894	12 663
Total imports	1 296	1 620	1 263	1 997	2 553	2 285
Total exports	5 669	5 578	5 261	6 517	6 808	6 087
Stock changes	42	-1 761	-94	1 016	1 121	567
Gross inland consumption	9 314	9 860	9 162	9 881	9 760	9 428
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	62	104	32	50	90	90
South Africa	-	-	-	-	-	-
USA	-	-	-	-	40	-
Consumption						
Inputs to electricity plants	3 651	3 635	3 210	3 434	4 338	3 504
Inputs to heat plants	136	105	63	155	11	36
Consumption of energy branch	2	2	3	-	-	-
Industry	725	1 190	1 315	1 275	1 243	1 141
<i>among which:</i>						
Iron&steel industry	333	694	831	819	758	668
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	56	211	202	162	181	172
Non-met. mineral prod.	163	202	214	238	252	260
Food, drink, tobacco	27	28	20	7	17	19
Pulp, paper and print	9	28	21	19	17	10
Engineering & metal	126	6	6	9	-	-
Other industries	-	2	2	3	3	1
Services & households etc.	223	216	215	153	118	74

6.2 Coal derivatives and peat

		ČESKÁ REPUBLIKA					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		3 556	3 548	3 412	3 444	3 258	3 399
Patent Fuel		-	-	-	-	-	-
Lignite and peat		50 261	48 497	48 772	49 518	49 732	47 537
Brown coal briquettes		314	317	301	345	247	156
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		25 235	24 997	24 502	24 842	23 700	26 227
Blast-furnace gas		30 057	31 256	26 827	30 305	31 752	29 352
Gasworks gas		14 555	14 007	14 765	15 022	14 473	16 353
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		2 223	2 145	1 950	2 034	1 971	1 738
	<i>among which:</i>						
Iron & steel industry		2 012	1 940	1 864	1 907	1 857	1 649
Services & households etc.		135	128	34	66	56	38
Patent Fuel		-	-	-	-	-	-
	<i>among which:</i>						
Services & households etc.		-	-	-	-	-	-
Lignite and peat		6 614	5 505	4 644	5 453	3 397	3 504
	<i>among which:</i>						
Industry		4 257	3 179	3 323	3 289	2 138	2 158
Services & households etc.		2 357	2 326	1 307	2 152	1 250	1 336
Brown coal briquettes		111	146	133	138	115	103
	<i>among which:</i>						
Industry		-	3	3	5	4	-
Services & households etc.		111	143	130	133	111	103
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		8 390	8 170	7 684	7 821	6 925	9 966
Blast-furnace gas		16 594	18 210	16 369	16 387	16 140	14 608
Gasworks gas		104	39	-	-	-	-
Inputs to electricity plants		26 451	28 383	27 926	29 735	29 581	31 355
Inputs to heat plants		997	-	-	7	-	-
Consumption of energy branch		13 769	14 003	13 590	13 573	18 392	15 268
Consumption in industry		25 088	26 419	24 053	24 208	23 065	24 574

7. Renewable energy sources

		ČESKÁ REPUBLIKA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	1 514	1 919	2 012	2 200	2 404	2 456
Hydro (excl. pumping)		119	174	205	219	180	174
Wind		0	1	2	4	11	21
Solar		-	2	2	3	4	5
Geothermal		-	-	-	-	-	-
Biomass		1 394	1 743	1 803	1 973	2 210	2 256
	<i>among which:</i>						
Wood, wood-waste		1 342	1 513	1 537	1 716	1 948	1 961
Municipal solid waste		100	106	97	95	96	100
Biogas		41	50	56	63	76	90
Gross inland consumption		1 514	1 781	1 824	1 972	2 180	2 261
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		294	368	273	296	354	427
	<i>among which:</i>						
Wood, wood-waste		196	254	161	182	229	287
Municipal waste		78	86	76	75	74	80
Biogas		20	27	35	39	50	60
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	1 098	1 238	1 344	1 436	1 636	1 631
	<i>by sector:</i>						
Industry		210	258	384	398	405	394
Services & households etc.		888	949	958	1 035	1 198	1 127
Transport		0	31	3	3	33	110
	<i>by source:</i>						
Biomass		1 098	1 236	1 342	1 433	1 632	1 627
	<i>among which:</i>						
Wood, wood-waste		1 054	1 163	1 297	1 385	1 552	1 466
Municipal waste		22	19	21	20	22	20
Biogas		21	23	21	24	26	30
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	1	2	13
Hydro with installed capacity < 1 MW		242	286	343	333	521	492
Hydro with installed capacity > 1 & <10 MW		418	617	728	631	492	475
Hydro with installed capacity > 10 MW		723	1 116	1 309	1 586	1 078	1 057
Wood, Wood-waste		373	565	560	731	968	1 171
Municipal waste		16	17	18	19	20	19
Biogas		108	139	161	176	215	267

		ČESKÁ REPUBLIKA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	1	4	54
Hydro with installed capacity < 1 MW		107	107	123	106	124	151
Hydro with installed capacity > 1 & <10 MW		144	144	154	169	152	141
Hydro with installed capacity > 10 MW		753	753	743	753	753	753
Wood, Wood-waste		149	226	224	292	387	468
Municipal waste		3	3	3	3	3	3
Biogas		25	25	36	43	50	71
Liquid biofuels							
Production	<i>1000 t</i>	-	83	127	112	109	135
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	85	105	130	165

1. Energy economy

Key figures and energy indicators

		DANMARK					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	28 403	31 018	31 219	29 486	26 993	26 527
Net energy imports		-6 850	-9 946	-10 407	-7 930	-5 372	-4 638
Net oil imports		-9 251	-10 653	-9 385	-8 124	-6 280	-4 624
Net gas imports		-2 594	-3 691	-5 010	-4 688	-4 049	-4 931
Gross inland energy consumption		20 791	20 174	19 674	21 040	20 525	19 861
Final energy consumption		15 076	15 315	15 433	15 616	15 686	15 545
Industry		2 863	2 904	2 867	2 919	2 873	2 765
Transport		4 916	5 150	5 261	5 329	5 555	5 490
Services and households etc.		7 297	7 261	7 306	7 367	7 258	7 290
Gross electricity generation	GWh	46 181	40 431	36 241	45 607	39 156	36 391
Final electricity consumption		32 370	32 971	33 464	33 791	33 589	33 374
Socio-economic statistics							
Population	1000 per.	5 384	5 398	5 411	5 428	5 447	5 476
Total imports (current prices)	Mio EUR	73 690	79 782	91 415	106 853	113 631	122 480
among which:							
All energy commodities		2 290	2 654	3 552	3 828	3 631	5 533
Oil products		1 730	2 052	2 784	3 094	2 898	4 283
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 862	3 738	3 636	3 877	3 768	3 627
Final energy consumption / capita		2 800	2 837	2 852	2 877	2 880	2 839
Household consumption / capita		817	815	822	820	820	815
Final electricity consumption / capita	kWh/cap.	6 013	6 108	6 184	6 226	6 166	6 095
Energy dependency							
Net energy imports / Gross consumption	in %	-31.5	-47.4	-50.8	-35.9	-24.9	-22.3
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	72.5	75.9	78.4	74.2	76.4	78.3
Efficiency of thermal power stations		64.8	68.3	71.2	64.9	65.5	68.8

2. Energy balance

Principal aggregates by product

	DANMARK					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	28 403	31 018	31 219	29 486	26 993	26 527
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	18 563	19 692	18 935	17 231	15 526	14 348
Natural Gas	7 203	8 492	9 383	9 323	8 268	9 020
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	2	2	2	2	2	2
Biomass	2 144	2 253	2 317	2 382	2 556	2 528
Imports						
Total	14 896	14 330	13 851	14 534	14 108	15 542
<i>among which:</i> Hard coal	5 635	4 487	3 572	5 165	4 755	4 415
Crude oil and feedstocks	3 640	3 942	2 846	2 780	2 102	2 539
Petroleum products	4 792	4 844	5 903	5 566	5 896	6 938
Natural Gas	-	-	-	-	-	-
Electricity	604	746	1 113	582	897	1 102
Exports						
Total	21 746	24 275	24 259	22 465	19 480	20 180
<i>among which:</i> Crude oil and feedstocks	13 713	15 385	14 060	11 932	9 738	9 337
Petroleum products	3 970	4 054	4 074	4 538	4 540	4 763
Natural gas	2 594	3 691	5 010	4 688	4 049	4 931
Electricity	1 339	993	995	1 178	978	977
Gross inland consumption						
Total	20 791	20 174	19 674	21 040	20 525	19 861
<i>among which:</i> Solid fuels	5 665	4 361	3 751	5 476	4 651	4 011
Crude oil and petrol. prod.	8 398	8 368	8 175	8 338	8 323	8 046
Natural gas	4 661	4 634	4 399	4 537	4 062	4 078
Nuclear Energy	-	-	-	-	-	-
Renewables	2 798	3 054	3 227	3 282	3 569	3 597
Transformation input						
Total	18 318	16 739	15 490	17 658	16 177	15 354
<i>among which:</i> Crude oil and feedstocks	8 441	8 226	7 841	8 038	7 870	7 641
Natural gas	2 323	2 323	2 114	2 186	1 740	1 766
Petroleum products	546	427	378	419	341	296
Hard coal	5 496	4 122	3 445	5 297	4 470	3 879
Lignite and peat	-	-	-	-	-	-
Renewables	1 512	1 642	1 712	1 717	1 756	1 773
Transformation output						
Total	14 963	14 156	13 297	14 448	13 474	12 988
<i>among which:</i> Electricity	3 491	2 908	2 546	3 394	2 748	2 531
Heat	3 114	3 100	3 066	3 046	2 912	2 955

		DANMARK					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		15 076	15 315	15 433	15 616	15 686	15 545
<i>among which:</i>	Solid fuels	231	261	253	264	261	220
	Petroleum products	7 041	7 212	7 229	7 291	7 361	7 204
	Natural Gas	1 728	1 688	1 695	1 698	1 669	1 675
	Renewables	805	843	944	1 037	1 194	1 226
	Electricity	2 783	2 835	2 877	2 906	2 888	2 870
Final energy consumption by sector							
Industry							
Total		2 863	2 904	2 867	2 919	2 873	2 765
<i>among which:</i>	Solid fuels	203	228	214	219	215	179
	Petroleum Products	785	808	769	827	761	682
	Natural Gas	749	715	715	716	751	762
	Renewables	111	121	121	126	143	165
	Electricity	836	863	889	879	867	834
Transport							
Total		4 916	5 150	5 261	5 329	5 555	5 490
<i>among which:</i>	Motor spirit	2 017	1 993	1 933	1 898	1 881	1 811
	Diesel oil	2 053	2 192	2 312	2 441	2 646	2 672
	Jet fuel	761	886	944	917	959	938
	Electricity	30	32	32	32	31	33
Services & households etc.							
Total		7 297	7 261	7 306	7 367	7 258	7 290
<i>among which:</i>	Solid fuels	27	33	40	45	46	41
	Gas oil	1 281	1 202	1 140	1 072	997	983
	Natural Gas	979	973	979	982	918	913
	Renewables	694	722	823	907	1 045	1 055
	Electricity	1 917	1 940	1 956	1 994	1 990	2 003
	Heat	2 297	2 294	2 263	2 256	2 167	2 199

3.1 Electricity balance

	DANMARK					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	46 181	40 431	36 241	45 607	39 156	36 391
<i>among which:</i>						
Hydro	21	26	22	23	28	26
Wind	5 561	6 583	6 614	6 108	7 171	6 928
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	40 597	33 820	29 603	39 474	31 955	29 434
<i>of which:</i>						
Hard coal	25 307	18 673	15 463	24 560	19 898	17 458
Lignite and peat	-	-	-	-	-	-
Petroleum products	2 345	1 634	1 371	1 621	1 281	1 131
Natural gas	9 764	9 941	8 780	9 401	6 909	6 928
Derived gases	-	-	-	-	-	-
Biomass	3 162	3 562	3 989	3 892	3 860	3 917
Industrial wastes	19	10	-	-	7	-
Total net generation	43 749	38 397	34 408	43 181	37 198	35 228
Imports and exports						
Total imports	7 023	8 673	12 943	6 767	10 427	12 815
Total exports	15 568	11 545	11 574	13 702	11 377	11 360
Consumption and losses						
Consumption of the energy branch	3 217	2 784	2 622	3 307	2 935	2 114
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	2 049	1 810	1 527	1 574	1 684	2 358
Final energy consumption	32 370	32 971	33 464	33 791	33 589	33 374
<i>of which:</i>						
Industry	9 728	10 042	10 335	10 226	10 088	9 705
<i>among which:</i>						
Iron&steel industry	315	326	383	378	371	356
Non-ferrous metals	80	83	85	84	82	79
Chemical industry	1 238	1 231	1 348	1 331	1 309	1 253
Non-met. mineral prod.	864	901	943	931	916	877
Food, drink, tobacco	2 270	2 348	2 490	2 453	2 412	2 309
Pulp, paper and print	841	872	745	735	723	692
Engineering & metal	1 768	1 835	1 879	1 855	1 824	1 746
Other industries	2 057	2 139	2 203	2 204	2 200	2 153
Transport	353	370	375	376	356	378
Services & households etc.	22 289	22 559	22 754	23 189	23 145	23 291
<i>among which:</i>						
Households	10 122	10 330	10 400	10 654	10 902	11 019

3.2 Electrical capacity, fuel inputs and heat

		DANMARK					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	13 590	13 340	13 345	13 012	12 608	12 495
<i>by source:</i>							
Conventional thermal		10 462	10 204	10 205	9 868	9 475	9 320
<i>of which:</i>							
Steam		7 743	7 416	7 476	7 194	6 961	6 429
Gas turbine		545	569	586	542	542	577
Combined cycle		1 101	1 101	1 063	1 071	1 076	1 057
Internal combustion		1 073	1 118	1 080	1 061	896	1 257
Nuclear		-	-	-	-	-	-
Hydro		11	11	11	9	9	9
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		3 117	3 125	3 129	3 135	3 124	3 166
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		13 020	12 736	12 710	12 392	12 051	11 871
Autoproducers		572	606	638	623	560	627
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	9 289	7 953	7 125	9 088	7 743	7 107
<i>among which:</i>							
Hard coal		5 495	4 122	3 444	5 295	4 468	3 877
Lignite and peat		-	-	-	-	-	-
Petroleum products		492	387	344	394	314	271
Natural gas		2 228	2 234	1 996	2 064	1 588	1 612
Renewables		1 074	1 210	1 341	1 336	1 373	1 347
Heating plants		573	546	512	520	553	594
<i>among which:</i>							
Hard coal		1	1	1	2	2	2
Lignite and peat		-	-	-	-	-	-
Petroleum products		55	40	35	26	27	25
Natural gas		80	74	104	110	141	140
Renewables		438	432	371	382	383	426
Heat production and consumption							
Total heat production	1 000 toe	3 114	3 100	3 066	3 046	2 912	2 955
<i>among which: in heating plants</i>							
		588	574	537	546	585	599
Heat consumption		2 474	2 462	2 422	2 409	2 302	2 341
<i>of which: in industry</i>							
		177	168	158	153	135	142
<i>in households and services</i>							
		2 297	2 294	2 263	2 256	2 167	2 199
<i>among which: in households</i>							
		1 541	1 536	1 516	1 511	1 450	1 472

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	DANMARK					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	18 143	19 262	18 517	16 839	15 169	14 035
Total imports	3 558	3 857	2 784	2 717	2 054	2 484
Total exports	13 403	15 050	13 751	11 662	9 515	9 137
Stock changes	22	-59	109	17	-52	-37
Refinery intake	8 251	8 046	7 667	7 855	7 688	7 472
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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	3 492	3 735	2 720	2 708	1 966	2 352
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	DANMARK					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	8 154	7 954	7 499	7 813	7 622	7 323
<i>among which:</i>						
Motor spirit	2 082	1 986	1 919	1 987	1 962	1 924
Kerosene and jet fuel	611	606	507	608	542	500
Naphtha	-	6	4	13	40	27
Gas/diesel oil	3 451	3 329	3 224	3 258	3 198	3 095
Residual fuel oil	1 519	1 557	1 405	1 471	1 415	1 379
Total imports	4 821	4 857	5 925	5 581	5 951	6 994
Total exports	3 929	4 030	4 058	4 486	4 516	4 779
Bunkers	990	806	835	1 086	1 125	986
Stock changes	20	182	-674	267	204	-679
Gross inland consumption	-68	210	365	285	523	553
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	43	180	123	105	94	152
United Kingdom	116	186	117	334	313	392
Russia	852	511	858	342	615	507
Norway	574	463	649	661	660	888
OPEC	281	419	635	323	414	366
Imports by product						
<i>among which:</i>						
Motor spirit	871	878	1 036	918	978	846
Kerosene and jet fuel	528	709	970	597	684	939
Gas/diesel oil	1 927	1 829	2 105	2 412	2 126	2 637
Residual fuel oil	921	900	1 200	1 108	1 491	1 983
Exports by product						
<i>among which:</i>						
Motor spirit	1 012	958	1 054	1 086	1 121	1 062
Kerosene and jet fuel	494	420	379	444	467	357
Gas/diesel oil	1 137	1 141	967	1 672	1 103	1 016
Residual fuel oil	1 161	1 393	1 544	1 152	1 657	2 243
Consumption						
Inputs to electricity plants						
Inputs to heating plants	503	395	352	403	319	275
Non-energy use	55	40	35	26	27	25
Final energy consumption	288	319	299	303	322	275
	6 921	7 092	7 106	7 175	7 246	7 076
Industry	842	868	825	889	827	730
<i>among which by product:</i>						
Gas/diesel oil	380	392	383	360	340	339
Residual fuel oil	171	171	149	210	157	137

	DANMARK					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	6	6	3	3	2	2
Non-ferrous metals	3	3	-	1	-	-
Chemical industry	27	28	23	33	22	21
Non-met. mineral prod.	304	319	306	326	336	260
Food, drink, tobacco	169	172	163	199	156	142
Pulp, paper and print	12	12	10	9	8	7
Engineering & metal	72	75	67	65	56	55
Other industries	194	196	193	195	197	195
Transport	4 734	4 962	5 071	5 136	5 357	5 295
<i>among which:</i>						
Motor spirit	1 919	1 896	1 839	1 806	1 790	1 723
Jet fuel	741	863	919	893	934	913
Diesel oil	2 018	2 154	2 272	2 399	2 601	2 626
Services & households etc.	1 345	1 262	1 210	1 150	1 062	1 051
<i>among which:</i>						
Gas oil	1 259	1 181	1 120	1 054	980	966
Residual fuel oil	29	23	26	35	22	27
Stocks at end of period						
Crude oil and feedstocks	719	778	669	652	704	741
Petroleum products	1 855	1 673	2 347	2 080	1 876	2 555

5. Natural gas

<i>in TJ (GCV)</i>	DANMARK					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	335 062	395 033	436 520	433 718	384 607	419 601
Total imports	-	-	-	-	-	-
Total exports	120 692	171 722	233 085	218 084	188 377	229 373
Stock changes	2 445	-7 748	1 226	-4 593	-7 283	-516
Gross inland consumption	216 815	215 563	204 661	211 041	188 947	189 712
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	103 641	103 928	92 867	96 003	73 888	74 988
Inputs to heat plants	3 715	3 427	4 861	5 115	6 560	6 536
Consumption of energy branch	29 279	30 191	31 066	31 659	31 382	31 212
Distribution losses	133	133	132	132	132	132
Non-energy use	-	-	-	-	-	-
Industry	34 853	33 263	33 278	33 293	34 952	35 445
<i>among which:</i>						
Iron&steel industry	1 661	1 502	1 612	1 536	1 614	1 638
Non-ferrous metals	142	128	105	100	105	107
Chemical industry	3 935	3 140	3 198	3 089	3 245	3 295
Non-met. mineral prod.	6 089	5 503	5 292	5 034	5 287	5 369
Food, drink, tobacco	10 033	11 052	12 039	11 967	12 571	12 764
Pulp, paper and print	2 914	2 582	2 904	2 882	3 027	3 074
Engineering & metal	5 173	4 718	4 252	4 041	4 245	4 310
Other industries	3 092	2 789	2 533	2 593	2 704	2 701
Transport	-	-	-	-	-	-
Services & households etc.	45 541	45 278	45 557	45 692	42 700	42 457
<i>among which:</i>						
Households	32 776	32 597	32 277	31 292	29 214	29 155
Services	10 188	10 172	10 782	11 915	11 120	11 057

6.1 Hard coal

<i>in 1 000 t</i>	DANMARK					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	9 515	7 592	6 031	8 688	8 122	7 569
Total exports	151	157	96	110	183	156
Stock changes	169	-108	358	594	-31	-577
Gross inland consumption	9 533	7 327	6 293	9 172	7 908	6 836
Imports						
Imports by origin						
<i>among which:</i>						
Australia	569	442	129	290	144	-
Colombia	2 681	1 454	1 254	1 537	2 475	1 680
Russia	970	1 966	1 531	2 040	2 252	2 604
South Africa	2 971	1 845	1 852	3 062	2 099	2 243
USA	246	188	66	274	6	344
Consumption						
Inputs to electricity plants	9 304	7 010	5 906	8 936	7 541	6 678
Inputs to heat plants	1	1	2	4	4	4
Consumption of energy branch	-	-	-	-	-	-
Industry	286	320	301	308	299	245
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	22	24	20	20	20	16
Non-met. mineral prod.	188	210	210	215	207	170
Food, drink, tobacco	73	82	67	69	69	57
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	45	54	67	76	77	70

6.2 Coal derivatives and peat

		DANMARK					
		2003	2004	2005	2006	2007	2008
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		685	678	619	555	497	497
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		34	39	34	35	38	35
	<i>among which:</i>						
Iron & steel industry		-	-	-	-	-	-
Services & households etc.		1	1	-	-	-	-
Patent Fuel		-	-	-	-	-	-
	<i>among which:</i>						
Services & households etc.		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
	<i>among which:</i>						
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
	<i>among which:</i>						
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		656	650	595	533	477	477
Inputs to electricity plants		-	-	-	-	-	-
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-
Consumption in industry		22	22	21	21	31	31

7. Renewable energy sources

		DANMARK					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	2 638	2 835	2 901	2 933	3 200	3 159
Hydro (excl. pumping)		2	2	2	2	2	2
Wind		478	566	569	525	617	596
Solar		9	10	10	11	11	12
Geothermal		4	4	3	13	14	21
Biomass		2 144	2 253	2 317	2 382	2 556	2 528
	<i>among which:</i>						
Wood, wood-waste		1 144	1 215	1 260	1 308	1 464	1 389
Municipal solid waste		874	890	903	918	935	957
Biogas		85	89	91	94	93	94
Gross inland consumption		2 798	3 054	3 227	3 282	3 569	3 597
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		4	4	3	13	14	21
Biomass		1 506	1 637	1 708	1 703	1 741	1 751
	<i>among which:</i>						
Wood, wood-waste		628	745	795	773	787	783
Municipal waste		808	821	838	861	886	906
Biogas		71	71	75	70	67	61
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	805	843	944	1 037	1 194	1 226
	<i>by sector:</i>						
Industry		111	121	121	126	143	165
Services & households etc.		694	722	823	907	1 045	1 055
Transport		-	-	-	4	6	5
	<i>by source:</i>						
Biomass		797	835	935	1 028	1 184	1 215
	<i>among which:</i>						
Wood, wood-waste		717	748	854	943	1 103	1 119
Municipal waste		66	69	65	57	49	50
Biogas		14	18	17	24	27	33
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		2	2	2	2	2	3
Hydro with installed capacity < 1 MW		11	14	11	12	12	12
Hydro with installed capacity > 1 & <10 MW		10	13	11	12	16	14
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		1 401	1 840	1 894	1 777	1 829	1 803
Municipal waste		1 485	1 441	1 814	1 830	1 760	1 866
Biogas		276	281	281	272	271	248

		DANMARK					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		2	2	3	3	3	3
Hydro with installed capacity < 1 MW		7	7	7	7	7	5
Hydro with installed capacity > 1 & <10 MW		4	4	4	2	2	4
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		311	474	584	455	333	558
Municipal waste		285	312	306	299	233	303
Biogas		58	63	65	61	59	81
Liquid biofuels							
Production	<i>1000 t</i>	45	65	70	70	70	99
Solar Panels							
Solar panel surface	<i>1000 m²</i>	298	306	321	337	357	383

1. Energy economy

Key figures and energy indicators

		DEUTSCHLAND					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	133 840	135 466	133 873	134 851	136 930	132 488
Net energy imports		212 969	215 533	215 281	215 558	201 855	211 181
Net oil imports		126 061	122 149	123 134	121 515	109 177	117 028
Net gas imports		62 437	65 895	65 734	66 434	61 753	64 685
Gross inland energy consumption		348 322	350 304	347 093	348 910	341 279	343 675
Final energy consumption		226 225	225 323	222 009	226 183	216 005	224 006
Industry		59 016	57 862	57 436	57 815	61 591	60 436
Transport		62 596	63 219	62 149	63 311	62 218	61 434
Services and households etc.		104 613	104 242	102 424	105 057	92 196	102 137
Gross electricity generation	GWh	599 470	616 785	620 300	636 600	637 099	637 214
Final electricity consumption		508 932	512 770	516 222	525 804	527 352	525 549
Socio-economic statistics							
Population	1000 per.	82 537	82 532	82 501	82 438	82 315	82 218
Total imports (current prices)	Mio EUR	685 380	736 990	801 850	921 220	966 220	1 020 070
among which:							
All energy commodities		47 522	52 487	72 122	88 632	81 668	112 840
Oil products		29 460	34 772	49 247	57 893	54 065	74 455
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	4 220	4 244	4 207	4 232	4 146	4 180
Final energy consumption / capita		2 741	2 730	2 691	2 744	2 624	2 725
Household consumption / capita		820	814	817	830	746	829
Final electricity consumption / capita	kWh/cap.	6 166	6 213	6 257	6 378	6 407	6 392
Energy dependency							
Net energy imports / Gross consumption	in %	60.7	61.1	61.6	61.3	58.6	60.9
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	64.9	64.3	64.0	64.8	63.3	65.2
Efficiency of thermal power stations		44.5	45.1	46.9	46.5	46.2	47.5

2. Energy balance

Principal aggregates by product

	DEUTSCHLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	133 840	135 466	133 873	134 851	136 930	132 488
<i>among which:</i> Hard coal	18 693	18 701	18 036	15 394	15 714	12 396
Lignite and peat	39 295	39 638	38 452	37 977	38 876	37 644
Crude oil	3 773	3 538	3 545	3 453	3 430	3 087
Natural Gas	15 920	14 732	14 224	14 052	13 094	11 314
Nuclear heat	42 578	43 095	42 061	43 148	36 251	38 305
Hydro-electricity	1 656	1 812	1 684	1 714	1 797	1 801
Biomass	9 954	11 361	13 039	15 834	23 508	23 473
Imports						
Total	243 622	252 456	256 115	259 105	246 646	253 486
<i>among which:</i> Hard coal	21 652	25 199	24 776	27 169	29 857	29 316
Crude oil and feedstocks	108 869	112 505	114 698	111 911	109 012	107 546
Petroleum products	36 726	34 679	35 584	37 589	29 107	35 166
Natural Gas	68 515	72 869	73 531	75 648	71 447	74 817
Electricity	4 222	4 143	4 889	4 167	3 951	3 583
Exports						
Total	30 653	36 922	40 834	43 547	44 791	42 305
<i>among which:</i> Crude oil and feedstocks	662	1 132	718	559	704	138
Petroleum products	18 872	23 903	26 431	27 426	28 238	25 546
Natural gas	6 078	6 974	7 797	9 214	9 693	10 131
Electricity	4 504	4 369	5 282	5 627	5 375	5 311
Gross inland consumption						
Total	348 322	350 304	347 093	348 910	341 279	343 675
<i>among which:</i> Solid fuels	84 970	85 845	82 773	82 308	87 017	81 285
Crude oil and petrol. prod.	127 155	125 909	124 236	124 629	112 779	119 567
Natural gas	79 131	78 731	80 856	79 495	76 867	76 557
Nuclear Energy	42 578	43 095	42 061	43 148	36 251	38 305
Renewables	13 580	15 762	17 555	20 772	29 497	29 618
Transformation input						
Total	273 690	279 246	278 043	280 086	277 419	271 955
<i>among which:</i> Crude oil and feedstocks	120 899	124 829	127 966	125 721	123 430	120 529
Natural gas	18 063	16 770	17 901	18 505	17 559	18 770
Petroleum products	1 857	2 079	2 627	2 212	1 819	1 575
Hard coal	39 590	40 313	36 982	38 484	40 747	37 056
Lignite and peat	39 399	39 656	38 679	38 885	38 588	37 197
Renewables	3 777	4 567	5 185	6 262	11 198	11 317
Transformation output						
Total	191 180	197 037	199 855	199 192	195 638	193 178
<i>among which:</i> Electricity	47 765	48 348	48 477	49 559	48 919	48 985
Heat	11 503	12 070	12 152	12 145	11 199	11 459

		DEUTSCHLAND					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		226 225	225 323	222 009	226 183	216 005	224 006
<i>among which:</i>	Solid fuels	10 084	10 241	9 839	9 793	10 081	10 225
	Petroleum products	93 727	91 266	88 706	89 742	78 566	86 146
	Natural Gas	58 848	58 858	57 141	57 689	56 323	56 866
	Renewables	6 412	7 055	8 151	9 883	12 740	12 547
	Electricity	43 760	44 090	44 387	45 211	45 344	45 189
Final energy consumption by sector							
Industry							
Total		59 016	57 862	57 436	57 815	61 591	60 436
<i>among which:</i>	Solid fuels	8 823	8 889	8 940	8 804	8 863	8 992
	Petroleum Products	4 894	4 746	4 486	4 586	4 279	4 057
	Natural Gas	19 183	17 543	17 244	17 254	17 802	17 270
	Renewables	845	1 304	1 427	1 383	3 433	3 544
	Electricity	19 930	20 107	19 957	19 725	20 873	20 819
Transport							
Total		62 596	63 219	62 149	63 311	62 218	61 434
<i>among which:</i>	Motor spirit	26 949	26 045	24 131	22 996	21 671	20 968
	Diesel oil	26 317	27 008	26 286	26 632	26 036	26 557
	Jet fuel	7 148	7 715	8 304	8 727	9 046	9 165
	Electricity	1 388	1 393	1 393	1 402	1 402	1 419
Services & households etc.							
Total		104 613	104 242	102 424	105 057	92 196	102 137
<i>among which:</i>	Solid fuels	1 261	1 352	900	989	1 218	1 233
	Gas oil	27 148	24 470	24 199	25 504	16 003	23 747
	Natural Gas	39 665	41 316	39 897	40 434	38 521	39 596
	Renewables	4 856	4 776	4 776	5 033	5 480	5 920
	Electricity	22 442	22 591	23 037	24 084	23 070	22 952
	Heat	8 042	8 528	8 392	7 790	6 603	7 273

3.1 Electricity balance

	DEUTSCHLAND					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	599 470	616 785	620 300	636 600	637 099	637 214
<i>among which:</i>						
Hydro	24 440	27 874	26 717	27 304	28 457	26 963
Wind	18 859	25 509	27 229	30 710	39 713	40 574
Geothermal	-	-	-	-	-	-
Nuclear	165 060	167 065	163 055	167 269	140 534	148 495
Conventional thermal	390 778	395 780	402 017	409 097	425 320	416 762
<i>of which:</i>						
Hard coal	142 304	141 611	127 983	128 261	130 795	124 617
Lignite and peat	164 277	157 911	169 534	165 370	142 707	150 621
Petroleum products	4 712	10 140	10 583	9 549	8 604	8 604
Natural gas	58 505	61 475	68 405	76 077	75 921	75 921
Derived gases	7 628	8 610	8 204	6 769	10 777	9 470
Biomass	10 144	11 473	16 570	21 265	28 391	28 862
Industrial wastes	3 208	4 560	738	1 806	28 125	18 667
Total net generation	564 671	577 455	579 036	597 134	598 435	598 898
Imports and exports						
Total imports	49 107	48 187	56 861	48 464	45 953	41 669
Total exports	52 379	50 808	61 427	65 441	62 508	61 770
Consumption and losses						
Consumption of the energy branch	54 792	59 855	61 766	57 803	56 121	55 444
<i>of which:</i>						
Consumption for pumped-storage	2 552	2 513	2 378	1 641	1 560	1 927
Network losses	26 968	34 185	29 328	28 804	29 518	30 118
Final energy consumption	508 932	512 770	516 222	525 804	527 352	525 549
<i>of which:</i>						
Industry	231 785	233 842	232 104	229 402	242 752	242 123
<i>among which:</i>						
Iron&steel industry	23 874	24 086	26 999	29 876	27 282	28 357
Non-ferrous metals	18 774	18 941	18 100	15 925	17 839	17 299
Chemical industry	48 906	49 341	54 765	49 236	50 162	51 728
Non-met. mineral prod.	15 066	15 200	12 248	12 791	12 655	12 803
Food, drink, tobacco	14 834	14 966	16 811	17 249	16 746	15 204
Pulp, paper and print	22 020	22 215	25 094	25 472	21 208	24 216
Engineering & metal	29 437	29 698	30 543	30 030	29 351	30 397
Other industries	52 384	52 847	42 458	43 915	62 375	57 056
Transport	16 144	16 200	16 200	16 300	16 300	16 500
Services & households etc.	261 003	262 728	267 918	280 102	268 300	266 926
<i>among which:</i>						
Households	139 548	140 389	141 800	141 500	140 100	139 500

3.2 Electrical capacity, fuel inputs and heat

		DEUTSCHLAND					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	124 669	123 865	123 522	125 001	128 780	133 937
<i>by source:</i>							
Conventional thermal		80 365	78 413	76 375	75 176	77 738	79 555
<i>of which:</i>							
Steam		:	:	:	:	:	:
Gas turbine		:	:	:	:	:	:
Combined cycle		:	:	:	:	:	:
Internal combustion		:	:	:	:	:	:
Nuclear		21 439	20 552	20 378	20 208	20 208	20 486
Hydro		8 256	8 271	8 341	8 995	8 587	10 001
<i>among which:</i>							
Pumped storage		4 198	4 198	4 198	4 854	5 223	6 494
Wind		14 609	16 629	18 428	20 622	22 247	23 895
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		114 739	114 260	114 409	121 786	122 799	129 081
Autoproducers		10 318	10 313	10 621	9 797	9 795	10 195
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	95 708	95 002	92 517	95 114	97 720	94 030
<i>among which:</i>							
Hard coal		32 827	32 510	29 789	31 237	32 893	29 462
Lignite and peat		37 654	36 838	35 907	35 960	35 637	34 076
Petroleum products		1 384	1 462	2 051	1 480	1 158	856
Natural gas		16 866	16 331	17 453	18 056	14 495	16 393
Renewables		3 590	4 352	4 933	6 044	10 463	10 497
Heating plants		1 479	1 376	868	840	4 620	3 870
<i>among which:</i>							
Hard coal		98	445	-	-	561	494
Lignite and peat		-	-	-	-	103	58
Petroleum products		-	214	211	186	158	137
Natural gas		1 154	397	405	406	3 021	2 335
Renewables		187	216	252	218	735	820
Heat production and consumption							
Total heat production	1 000 toe	11 503	12 070	12 152	12 145	11 199	11 459
<i>among which: in heating plants</i>							
		2 494	3 217	3 179	3 052	2 885	2 970
Heat consumption		10 597	11 045	11 104	11 080	10 221	10 429
<i>of which: in industry</i>							
		2 555	2 517	2 712	3 290	3 618	3 157
<i>in households and services</i>							
		8 042	8 528	8 392	7 790	6 603	7 273
<i>among which: in households</i>							
		3 732	3 932	3 670	3 613	3 709	3 933

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	DEUTSCHLAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	3 690	3 463	3 471	3 383	3 361	3 024
Total imports	106 464	110 126	112 314	109 649	106 816	105 365
Total exports	647	1 108	703	548	690	135
Stock changes	-242	-629	-388	-917	-81	-722
Refinery intake	118 295	122 256	125 370	123 241	121 005	118 143
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	20 472	22 031	25 555	23 104	20 654	21 732
Near and Middle East	10 230	8 560	8 017	7 286	6 244	5 992
Africa	16 884	16 952	20 789	20 220	18 821	21 059
<i>by country of origin:</i>						
Algeria	3 727	2 869	4 572	2 337	2 485	3 076
Irak	30	-	-	60	153	180
Iran	23	405	475	162	419	447
Kazakhstan	6 627	7 449	7 410	7 613	7 950	6 899
Kuwait	-	60	-	62	62	137
Libya	8 968	12 781	12 915	12 370	10 892	10 434
Mexico	-	35	36	34	-	22
Nigeria	2 883	914	2 124	3 118	2 051	3 026
Norway	22 281	21 804	17 289	18 520	16 646	16 006
Russia	33 483	37 066	38 170	36 915	33 866	33 689
Saudi Arabia	3 880	4 219	4 137	3 561	2 305	2 664
Syria	6 297	3 936	3 405	3 447	3 141	2 701
United Arab Emirates	-	-	-	-	65	-

4.2 Petroleum products

<i>in 1 000 t</i>	DEUTSCHLAND					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	116 165	119 954	122 675	120 571	118 469	115 984
<i>among which:</i>						
Motor spirit	26 449	26 467	27 240	26 576	25 891	24 822
Kerosene and jet fuel	4 204	4 431	4 266	4 417	4 594	4 764
Naphtha	8 693	9 389	9 063	8 510	8 207	8 634
Gas/diesel oil	48 638	49 551	52 137	50 854	49 314	48 709
Residual fuel oil	12 232	14 013	13 340	13 684	13 669	12 023
Total imports	36 086	34 070	34 961	37 060	28 618	34 664
Total exports	18 846	23 819	26 301	27 305	28 061	25 380
Bunkers	2 664	2 726	2 553	2 641	3 144	3 050
Stock changes	-1 301	1 613	-1 660	884	950	761
Gross inland consumption	13 630	9 472	4 803	8 374	-1 201	7 370
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	19 409	19 410	20 604	21 836	16 249	19 657
United Kingdom	921	1 448	1 654	2 000	1 772	1 009
Russia	1 642	1 699	1 449	1 900	1 369	1 691
Norway	814	351	300	250	142	171
OPEC	580	526	181	161	102	629
Imports by product						
<i>among which:</i>						
Motor spirit	5 204	4 123	3 258	2 141	1 798	1 615
Kerosene and jet fuel	3 321	3 902	4 523	4 586	4 627	4 744
Gas/diesel oil	14 633	13 121	13 612	16 290	9 313	15 569
Residual fuel oil	3 249	2 762	3 060	3 321	2 607	3 063
Exports by product						
<i>among which:</i>						
Motor spirit	4 155	5 264	5 708	5 599	5 423	5 738
Kerosene and jet fuel	292	537	458	506	506	467
Gas/diesel oil	6 328	8 150	10 003	10 876	12 256	9 904
Residual fuel oil	4 004	5 377	5 668	5 892	5 390	4 454
Consumption						
Inputs to electricity plants						
Inputs to heating plants	1 473	1 605	2 192	1 600	1 203	913
Non-energy use	-	219	216	183	156	138
Final energy consumption	22 120	22 474	22 112	22 295	21 966	21 552
Industry	91 249	88 832	86 355	87 414	76 499	83 949
<i>among which by product:</i>						
Gas/diesel oil	4 932	4 766	4 496	4 603	4 349	4 119
Residual fuel oil	2 087	2 265	2 173	2 201	1 593	1 581
	2 106	1 855	1 662	1 633	1 807	1 653

	DEUTSCHLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	886	864	782	782	1 172	1 017
Non-ferrous metals	119	121	121	121	72	73
Chemical industry	6	28	95	86	19	-
Non-met. mineral prod.	1 232	1 112	934	972	823	793
Food, drink, tobacco	689	582	582	582	603	614
Pulp, paper and print	211	181	181	189	144	147
Engineering & metal	780	784	784	798	627	642
Other industries	851	922	845	901	678	677
Transport	58 543	58 915	56 961	56 633	55 233	55 197
<i>among which:</i>						
Motor spirit	25 643	24 783	22 962	21 882	20 621	19 952
Jet fuel	6 960	7 512	8 085	8 497	8 808	8 924
Diesel oil	25 865	26 544	25 834	26 174	25 589	26 101
Services & households etc.	27 774	25 151	24 898	26 178	16 917	24 633
<i>among which:</i>						
Gas oil	26 682	24 050	23 783	25 066	15 728	23 339
Residual fuel oil	5	5	8	5	5	5
Stocks at end of period						
Crude oil and feedstocks	15 722	16 351	16 739	17 656	17 737	18 459
Petroleum products	19 812	18 199	19 856	18 972	18 022	17 261

5. Natural gas

<i>in TJ (GCV)</i>	DEUTSCHLAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	740 615	685 342	661 721	653 696	609 138	526 334
Total imports	3 187 328	3 389 857	3 420 663	3 519 141	3 323 694	3 480 471
Total exports	282 769	324 436	362 714	428 634	450 935	471 304
Stock changes	36 000	-88 200	41 760	-46 080	93 960	25 920
Gross inland consumption	3 681 174	3 662 563	3 761 430	3 698 123	3 575 857	3 561 421
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	987 800	1 038 277	1 097 831	1 069 246	1 040 911	1 137 048
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	1 398 271	1 466 679	1 425 938	1 477 669	1 436 060	1 527 566
Consumption						
Inputs to electricity plants	784 606	759 715	811 901	839 978	674 308	762 584
Inputs to heat plants	53 670	18 447	18 843	18 890	140 529	108 613
Consumption of energy branch	32 785	32 700	34 000	18 845	18 287	22 965
Distribution losses	19 488	19 550	7 620	10 048	736	110
Non-energy use	100 648	100 000	100 000	100 000	97 000	90 000
Industry	892 399	816 095	802 212	802 670	828 163	803 403
<i>among which:</i>						
Iron&steel industry	107 304	111 254	90 606	107 350	112 696	110 226
Non-ferrous metals	39 700	33 654	35 116	35 074	33 792	33 816
Chemical industry	235 870	212 090	217 083	197 226	189 927	176 376
Non-met. mineral prod.	120 936	112 748	113 513	117 162	113 875	110 073
Food, drink, tobacco	103 738	78 724	79 016	76 731	99 257	93 439
Pulp, paper and print	96 728	103 538	105 648	103 455	103 908	101 337
Engineering & metal	120 435	112 304	109 706	114 492	116 399	122 883
Other industries	43 153	32 510	33 459	34 034	39 988	40 819
Transport	-	-	-	-	-	-
Services & households etc.	1 845 209	1 922 000	1 856 000	1 881 000	1 792 000	1 842 000
<i>among which:</i>						
Households	1 251 209	1 320 000	1 350 000	1 340 000	1 310 000	1 350 000
Services	581 000	590 000	496 000	529 000	470 000	480 000

6.1 Hard coal

	DEUTSCHLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	28 753	29 151	28 018	23 762	24 185	19 068
Total imports	34 917	39 536	37 105	42 132	46 287	45 427
Total exports	195	184	255	199	310	519
Stock changes	2 907	-581	-916	-157	-65	91
Gross inland consumption	66 382	67 922	63 952	65 538	70 097	64 067
Imports						
Imports by origin						
<i>among which:</i>						
Australia	5 006	3 996	4 171	4 748	5 626	4 576
Colombia	6 175	3 718	3 069	4 184	5 923	4 667
Russia	2 656	5 831	7 546	8 712	8 977	9 157
South Africa	9 052	9 304	8 305	8 570	7 689	8 815
USA	381	966	1 267	2 058	3 265	5 373
Consumption						
Inputs to electricity plants	52 846	51 809	47 400	49 952	51 733	46 479
Inputs to heat plants	161	628	-	-	894	783
Consumption of energy branch	1	-	-	-	1	-
Industry	5 297	5 437	6 111	6 302	5 539	5 959
<i>among which:</i>						
Iron&steel industry	3 264	3 606	4 178	4 580	4 130	4 146
Non-ferrous metals	16	17	253	27	19	25
Chemical industry	527	241	704	677	143	281
Non-met. mineral prod.	887	640	335	328	667	646
Food, drink, tobacco	139	144	95	102	116	152
Pulp, paper and print	413	384	467	507	432	675
Engineering & metal	-	103	-	-	1	1
Other industries	12	5	17	16	1	-
Services & households etc.	751	930	606	521	1 279	1 152

6.2 Coal derivatives and peat

	DEUTSCHLAND					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	7 827	8 479	8 397	8 372	8 441	8 242
Patent Fuel	114	102	92	96	89	-
Lignite and peat	179 230	182 059	178 036	176 422	180 409	175 313
Brown coal briquettes	4 843	5 256	5 252	5 624	5 386	5 933
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	60 878	65 035	64 406	67 729	70 504	68 808
Blast-furnace gas	171 651	180 947	178 259	188 538	197 326	185 660
Gasworks gas	757	803	787	780	467	473
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	6 879	6 459	5 857	5 382	6 189	6 001
<i>among which:</i>						
Iron & steel industry	6 207	5 959	5 380	4 990	5 812	5 657
Services & households etc.	106	85	65	50	85	102
Patent Fuel	80	60	52	55	62	21
<i>among which:</i>						
Services & households etc.	80	60	52	55	60	21
Lignite and peat	364	382	398	569	527	555
<i>among which:</i>						
Industry	334	340	365	561	527	555
Services & households etc.	30	42	33	8	-	-
Brown coal briquettes	3 428	3 716	3 395	3 828	3 138	3 355
<i>among which:</i>						
Industry	2 026	2 502	2 518	2 632	2 435	2 431
Services & households etc.	1 402	1 214	877	1 196	703	924
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	38 337	38 913	38 296	40 199	29 038	27 158
Blast-furnace gas	81 904	80 134	77 034	79 680	81 892	84 148
Gasworks gas	747	792	783	780	467	473
Inputs to electricity plants	77 987	83 554	80 806	85 520	105 634	93 817
Inputs to heat plants	904	3 447	-	-	336	254
Consumption of energy branch	31 356	34 063	36 145	34 570	37 415	34 450
Consumption in industry	120 502	119 315	115 591	120 132	111 094	111 472

7. Renewable energy sources

		DEUTSCHLAND					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	13 580	15 762	17 555	20 827	29 512	29 743
Hydro (excl. pumping)		1 656	1 812	1 684	1 714	1 797	1 801
Wind		1 622	2 193	2 341	2 641	3 415	3 489
Solar		216	262	353	472	580	735
Geothermal		132	134	138	167	212	246
Biomass		9 954	11 361	13 039	15 834	23 508	23 473
	<i>among which:</i>						
Wood, wood-waste		7 048	8 127	7 818	8 475	9 806	10 400
Municipal solid waste		1 258	1 248	1 662	1 838	4 933	4 923
Biogas		918	992	1 332	1 665	3 677	3 695
Gross inland consumption		13 580	15 762	17 555	20 772	29 497	29 618
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		10	10	11	14	28	44
Biomass		3 768	4 557	5 174	6 248	11 170	11 273
	<i>among which:</i>						
Wood, wood-waste		1 656	2 385	1 983	2 493	3 324	3 515
Municipal waste		1 258	1 248	1 662	1 838	3 985	3 968
Biogas		834	905	1 248	1 590	2 992	3 003
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	6 412	7 055	8 151	9 883	12 740	12 547
	<i>by sector:</i>						
Industry		845	1 304	1 427	1 383	3 433	3 544
Services & households etc.		4 856	4 776	4 776	5 033	5 480	5 920
Transport		711	975	1 948	3 467	3 827	3 083
	<i>by source:</i>						
Biomass		6 102	6 717	7 782	9 449	12 240	11 990
	<i>among which:</i>						
Wood, wood-waste		5 392	5 742	5 834	5 982	6 482	6 883
Municipal waste		-	-	-	-	948	955
Biogas		-	-	-	-	602	609
Geothermal		122	124	127	153	184	202
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		333	557	1 282	2 220	3 075	4 420
Hydro with installed capacity < 1 MW		3 400	3 314	3 300	3 222	3 400	2 060
Hydro with installed capacity > 1 & <10 MW		4 567	5 064	4 659	4 774	5 472	5 286
Hydro with installed capacity > 10 MW		11 297	12 698	11 622	11 935	12 749	13 596
Wood, Wood-waste		2 775	3 900	4 647	6 518	8 374	8 960
Municipal waste		4 324	4 232	6 075	7 278	9 042	9 012
Biogas		2 968	3 264	4 708	6 155	8 352	8 309

		DEUTSCHLAND					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		388	708	1 508	2 831	3 811	5 333
Hydro with installed capacity < 1 MW		540	555	641	641	562	561
Hydro with installed capacity > 1 & <10 MW		1 004	1 009	1 073	1 073	844	842
Hydro with installed capacity > 10 MW		2 423	2 423	2 429	2 429	2 109	2 104
Wood, Wood-waste		526	884	1 008	1 094	1 300	1 380
Municipal waste		847	1 016	1 256	1 369	1 301	1 301
Biogas		599	654	1 074	1 409	1 665	1 844
Liquid biofuels							
Production	<i>1000 t</i>	822	1 137	2 569	4 469	7 187	6 292
Solar Panels							
Solar panel surface	<i>1000 m²</i>	5 477	6 235	7 197	8 610	9 510	11 310

1. Energy economy

Key figures and energy indicators

		EESTI					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	3 914	3 716	3 868	3 744	4 396	4 217
Net energy imports		1 413	1 653	1 446	1 614	1 512	1 449
Net oil imports		802	899	859	997	1 024	838
Net gas imports		680	775	800	808	803	771
Gross inland energy consumption		5 450	5 669	5 566	5 440	6 074	5 851
Final energy consumption		2 659	2 805	2 859	2 861	3 086	3 021
Industry		670	672	718	691	768	770
Transport		652	710	762	799	850	796
Services and households etc.		1 337	1 423	1 379	1 371	1 468	1 455
Gross electricity generation	<i>GWh</i>	10 159	10 304	10 205	9 731	12 190	10 581
Final electricity consumption		5 573	5 892	6 023	6 473	6 776	6 992
Socio-economic statistics							
Population	<i>1000 per.</i>	1 356	1 351	1 348	1 345	1 342	1 341
Total imports (current prices)	<i>Mio EUR</i>	6 686	7 839	9 577	12 112	13 021	12 799
among which:							
All energy commodities		:	305	728	1 695	1 564	1 701
Oil products		:	268	635	1 568	1 372	1 446
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	4 020	4 195	4 131	4 046	4 525	4 363
Final energy consumption / capita		1 961	2 076	2 121	2 128	2 299	2 253
Household consumption / capita		683	683	660	655	716	710
Final electricity consumption / capita	<i>kWh/cap.</i>	4 110	4 361	4 470	4 814	5 048	5 214
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	25.4	28.4	25.4	28.6	23.9	23.8
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	48.8	49.5	51.4	52.6	50.8	51.6
Efficiency of thermal power stations		42.1	38.8	42.3	43.5	42.1	40.0

2. Energy balance

Principal aggregates by product

in 1 000 toe	EESTI					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	3 914	3 716	3 868	3 744	4 396	4 217
among which:						
Hard coal	-	-	-	-	-	-
Lignite and peat	3 247	3 035	3 176	3 099	3 651	3 462
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	1	2	2	1	2	2
Biomass	665	678	686	637	735	742
Imports						
Total	1 908	2 184	1 987	2 139	2 339	2 108
among which:						
Hard coal	37	29	35	62	116	81
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	969	1 104	1 085	1 246	1 390	1 133
Natural Gas	680	775	800	808	803	771
Electricity	8	30	30	22	30	118
Exports						
Total	495	531	541	525	827	659
among which:						
Crude oil and feedstocks	167	205	225	250	365	295
Petroleum products	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Electricity	171	184	168	86	238	199
Gross inland consumption						
Total	5 450	5 669	5 566	5 440	6 074	5 851
among which:						
Solid fuels	3 323	3 347	3 191	3 043	3 714	3 433
Crude oil and petrol. prod.	1 033	1 101	1 126	1 123	1 163	1 082
Natural gas	680	775	800	808	803	771
Nuclear Energy	-	-	-	-	-	-
Renewables	577	600	589	531	602	646
Transformation input						
Total	3 421	3 585	3 385	3 229	3 781	3 524
among which:						
Crude oil and feedstocks	1	1	1	1	1	1
Natural gas	336	395	413	413	406	410
Petroleum products	86	80	80	71	55	63
Hard coal	3	3	3	3	2	1
Lignite and peat	2 818	2 913	2 676	2 532	3 115	2 863
Renewables	94	112	132	118	101	99
Transformation output						
Total	1 689	1 674	1 675	1 644	1 856	1 669
among which:						
Electricity	872	883	871	829	1 039	896
Heat	611	644	656	645	622	601

<i>in 1 000 toe</i>	EESTI					
	2003	2004	2005	2006	2007	2008
Final energy consumption						
Total	2 659	2 805	2 859	2 861	3 086	3 021
<i>among which:</i> Solid fuels	70	85	117	108	170	167
Petroleum products	840	945	965	980	1 041	958
Natural Gas	277	265	263	273	274	233
Renewables	481	483	447	404	489	533
Electricity	479	507	518	557	583	601
Final energy consumption by sector						
Industry						
Total	670	672	718	691	768	770
<i>among which:</i> Solid fuels	43	52	86	85	154	152
Petroleum Products	99	100	90	87	85	69
Natural Gas	170	161	166	171	174	155
Renewables	119	120	131	84	85	118
Electricity	175	184	186	201	205	200
Transport						
Total	652	710	762	799	850	796
<i>among which:</i> Motor spirit	309	298	309	326	338	337
Diesel oil	316	375	402	438	455	424
Jet fuel	18	28	42	29	50	28
Electricity	8	9	9	7	7	7
Services & households etc.						
Total	1 337	1 423	1 379	1 371	1 468	1 455
<i>among which:</i> Solid fuels	27	33	31	23	16	15
Gas oil	77	113	112	93	106	90
Natural Gas	107	103	98	102	100	78
Renewables	361	364	317	320	404	414
Electricity	296	315	323	349	371	394
Heat	448	466	488	476	464	455

3.1 Electricity balance

	EESTI					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	10 159	10 304	10 205	9 731	12 190	10 581
<i>among which:</i>						
Hydro	13	22	22	13	21	28
Wind	6	8	54	76	91	133
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	10 140	10 274	10 129	9 642	12 078	10 420
<i>of which:</i>						
Hard coal	-	-	-	-	-	-
Lignite and peat	9 371	9 524	9 302	8 789	11 418	9 645
Petroleum products	43	36	32	30	34	37
Natural gas	699	684	760	783	590	702
Derived gases	-	-	-	-	-	-
Biomass	27	30	21	40	36	36
Industrial wastes	-	-	14	-	-	-
Total net generation	9 101	9 232	9 114	8 728	10 954	9 498
Imports and exports						
Total imports	93	347	345	251	345	1 369
Total exports	1 989	2 141	1 953	1 001	2 765	2 310
Consumption and losses						
Consumption of the energy branch	1 498	1 506	1 471	1 431	1 640	1 518
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	1 192	1 112	1 103	1 077	1 354	1 130
Final energy consumption	5 573	5 892	6 023	6 473	6 776	6 992
<i>of which:</i>						
Industry	2 031	2 135	2 161	2 332	2 384	2 331
<i>among which:</i>						
Iron&steel industry	4	3	5	6	5	4
Non-ferrous metals	4	3	7	7	9	9
Chemical industry	305	329	355	359	319	353
Non-met. mineral prod.	194	196	203	215	261	244
Food, drink, tobacco	289	300	304	294	315	310
Pulp, paper and print	127	136	140	267	345	335
Engineering & metal	224	242	252	269	278	289
Other industries	612	646	680	700	682	635
Transport	97	99	103	83	77	80
Services & households etc.	3 445	3 658	3 759	4 058	4 315	4 581
<i>among which:</i>						
Households	1 594	1 618	1 620	1 675	1 773	1 845

3.2 Electrical capacity, fuel inputs and heat

		EESTI					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	2 169	2 387	2 290	2 288	2 760	2 644
<i>by source:</i>							
Conventional thermal		2 165	2 375	2 254	2 251	2 697	2 563
<i>of which:</i>							
Steam		2 152	2 361	2 236	2 234	2 678	2 543
Gas turbine		-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-
Internal combustion		13	14	18	17	19	20
Nuclear		-	-	-	-	-	-
Hydro		4	4	5	5	5	4
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	8	31	32	58	77
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		2 146	2 360	2 262	2 264	2 728	2 612
Autoproducers		25	27	27	24	32	32
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	2 658	2 881	2 597	2 418	2 916	2 671
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		2 416	2 653	2 352	2 165	2 702	2 470
Petroleum products		11	11	10	8	11	11
Natural gas		146	139	150	147	94	103
Renewables		5	5	8	7	10	6
Heating plants		473	470	489	483	490	498
<i>among which:</i>							
Hard coal		3	3	3	3	2	1
Lignite and peat		113	28	25	39	40	39
Petroleum products		75	69	71	63	45	52
Natural gas		190	256	263	266	312	307
Renewables		89	107	125	111	91	93
Heat production and consumption							
Total heat production	1 000 toe	611	644	656	645	622	601
<i>among which: in heating plants</i>							
		365	409	428	423	434	428
Heat consumption		490	522	547	539	520	509
<i>of which: in industry</i>							
		42	56	60	63	57	54
<i>in households and services</i>							
		448	466	488	476	464	455
<i>among which: in households</i>							
		373	371	377	374	362	334

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	EESTI					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	165	202	222	246	360	291
Stock changes	-	-	-	-	-	-
Refinery intake	1	1	1	1	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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	EESTI					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	1	1	1	1	1	1
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	1	1	1	1	1	1
Total imports	950	1 085	1 064	1 229	1 371	1 120
Total exports	-	-	-	-	-	-
Bunkers	114	153	122	217	253	258
Stock changes	19	7	11	-55	-52	43
Gross inland consumption	855	939	953	957	1 066	905
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
Russia	330	376	341	631	444	480
Norway	8	8	20	-	14	12
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	297	292	301	323	342	310
Kerosene and jet fuel	20	25	41	31	51	27
Gas/diesel oil	504	599	586	632	696	500
Residual fuel oil	86	112	88	181	232	232
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heating plants	11	11	10	8	11	12
Non-energy use	79	72	74	66	47	54
Final energy consumption	38	52	45	58	42	43
	817	922	941	954	1 013	931
Industry	98	101	91	87	84	68
<i>among which by product:</i>						
Gas/diesel oil	62	53	47	51	62	50
Residual fuel oil	24	45	41	32	19	15

in 1 000 t	EESTI					
	2003	2004	2005	2006	2007	2008
Industry						
<i>among which by sector:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	2	1	1	3	2	2
Non-met. mineral prod.	6	6	5	3	5	5
Food, drink, tobacco	14	26	22	17	17	15
Pulp, paper and print	10	1	2	1	1	1
Engineering & metal	7	8	7	8	9	4
Other industries	49	52	45	43	37	33
Transport	623	680	730	768	818	765
<i>among which:</i>						
Motor spirit	294	284	294	310	322	321
Jet fuel	18	27	41	28	49	27
Diesel oil	311	369	395	430	447	417
Services & households etc.	96	141	120	99	111	98
<i>among which:</i>						
Gas oil	76	111	110	91	104	88
Residual fuel oil	13	21	5	4	2	5
Stocks at end of period						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	100	93	82	137	189	146

5. Natural gas

<i>in TJ (GCV)</i>	EESTI					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	31 635	36 032	37 201	37 595	37 372	35 844
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	31 635	36 032	37 201	37 595	37 372	35 844
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	31 635	36 032	37 201	37 595	37 372	35 844
Consumption						
Inputs to electricity plants	6 770	6 472	6 972	6 857	4 387	4 797
Inputs to heat plants	8 855	11 921	12 241	12 353	14 522	14 291
Consumption of energy branch	376	298	288	222	515	522
Distribution losses	-	-	-	-	-	-
Non-energy use	2 764	5 036	5 453	5 440	5 216	5 399
Industry	7 891	7 505	7 704	7 977	8 091	7 221
<i>among which:</i>						
Iron&steel industry	10	10	25	25	9	-
Non-ferrous metals	4	31	20	19	72	75
Chemical industry	2 274	2 748	2 740	2 644	2 528	2 556
Non-met. mineral prod.	902	920	860	928	998	864
Food, drink, tobacco	1 184	1 044	1 279	1 248	1 270	1 118
Pulp, paper and print	885	849	649	837	914	894
Engineering & metal	483	270	438	441	479	410
Other industries	983	916	1 006	1 183	1 143	819
Transport	-	-	-	-	-	-
Services & households etc.	4 979	4 800	4 543	4 746	4 641	3 614
<i>among which:</i>						
Households	1 737	1 795	2 092	2 124	2 273	2 287
Services	2 987	2 723	2 151	2 291	2 042	1 029

6.1 Hard coal

<i>in 1 000 t</i>	EESTI					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	57	44	54	95	176	123
Total exports	-	-	-	-	-	-
Stock changes	-13	14	2	-25	-46	6
Gross inland consumption	44	58	56	70	130	129
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	57	44	54	95	176	16
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to electricity plants	-	-	-	-	-	-
Inputs to heat plants	5	4	4	4	3	2
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	1	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	8	9	9	35	108	114
Food, drink, tobacco	1	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	1	1	1	1	-	-
Other industries	-	2	1	-	-	-
Services & households etc.	28	41	40	29	18	13

6.2 Coal derivatives and peat

	EESTI					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	30	35	37	33	40	35
Patent Fuel	-	-	-	-	-	-
Lignite and peat	15 254	14 272	14 969	14 602	17 019	16 331
Brown coal briquettes	120	68	68	101	128	68
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-
Gasworks gas	5 898	4 471	4 456	5 053	5 526	5 642
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	1	-	-	-	-	-
<i>among which:</i>						
Iron & steel industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	175	216	287	225	304	298
<i>among which:</i>						
Industry	172	211	285	224	304	298
Services & households etc.	3	5	2	1	-	-
Brown coal briquettes	18	14	13	10	12	17
<i>among which:</i>						
Industry	1	-	-	-	-	-
Services & households etc.	17	14	13	10	12	17
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-
Gasworks gas	1 065	-	-	-	404	952
Inputs to electricity plants	3 785	3 441	3 601	4 211	4 618	3 756
Inputs to heat plants	90	333	109	109	-	260
Consumption of energy branch	947	697	746	733	504	674
Consumption in industry	1 065	-	-	-	404	952

7. Renewable energy sources

		EESTI					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	667	681	692	645	745	755
Hydro (excl. pumping)		1	2	2	1	2	2
Wind		1	1	5	7	8	11
Solar		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Biomass		665	678	686	637	735	742
	<i>among which:</i>						
Wood, wood-waste		663	676	682	633	731	739
Municipal solid waste		-	-	-	-	-	-
Biogas		3	2	4	4	4	3
Gross inland consumption		577	600	589	531	602	646
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		94	112	132	118	101	99
	<i>among which:</i>						
Wood, wood-waste		92	110	129	114	98	97
Municipal waste		-	-	-	-	-	-
Biogas		3	2	3	3	3	2
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	481	483	447	404	489	533
	<i>by sector:</i>						
Industry		119	120	131	84	85	118
Services & households etc.		361	364	317	320	404	414
Transport		-	-	-	-	-	-
	<i>by source:</i>						
Biomass		481	483	447	404	489	533
	<i>among which:</i>						
Wood, wood-waste		481	483	447	404	488	532
Municipal waste		-	-	-	-	-	-
Biogas		-	-	1	1	1	1
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		13	22	22	14	22	28
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		21	23	21	25	24	28
Municipal waste		-	-	-	-	-	-
Biogas		-	7	14	13	12	9

	EESTI					
	2003	2004	2005	2006	2007	2008
Electrical capacities of RES						
	<i>in MW</i>					
Solar photovoltaics (peak)		-	-	-	-	-
Hydro with installed capacity < 1 MW		4	4	5	5	5
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-
Hydro with installed capacity > 10 MW		-	-	-	-	-
Wood, Wood-waste		10	10	10	10	10
Municipal waste		-	-	-	-	-
Biogas		1	1	2	2	2
Liquid biofuels						
Production	<i>1000 t</i>	-	-	-	-	-
Solar Panels						
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		ÉIRE / IRELAND					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	1 866	1 881	1 616	1 597	1 409	1 520
Net energy imports		13 578	13 865	13 661	14 221	14 110	14 261
Net oil imports		8 594	8 845	8 503	8 748	8 562	8 403
Net gas imports		3 133	2 960	3 010	3 602	3 916	4 127
Gross inland energy consumption		15 025	15 846	15 127	15 522	15 874	15 786
Final energy consumption		11 463	11 818	12 463	13 072	12 184	13 194
Industry		2 236	2 366	2 595	2 788	2 544	2 481
Transport		4 440	4 614	4 997	5 373	4 725	5 433
Services and households etc.		4 787	4 838	4 871	4 911	4 915	5 280
Gross electricity generation	<i>GWh</i>	25 219	25 569	25 970	27 480	28 226	29 685
Final electricity consumption		23 031	23 057	24 352	25 894	25 864	26 675
Socio-economic statistics							
Population	<i>1000 per.</i>	3 964	4 028	4 109	4 209	4 313	4 401
Total imports (current prices)	<i>Mio EUR</i>	94 313	102 382	112 692	122 532	130 975	128 163
among which:							
All energy commodities		1 839	2 669	3 769	4 288	5 330	6 575
Oil products		1 470	2 137	3 064	3 411	4 095	4 893
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	3 791	3 934	3 681	3 688	3 681	3 587
Final energy consumption / capita		2 892	2 934	3 033	3 106	2 825	2 998
Household consumption / capita		688	702	706	727	675	719
Final electricity consumption / capita	<i>kWh/cap.</i>	5 810	5 725	5 926	6 152	5 997	6 061
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	89.4	86.7	89.7	90.9	88.3	89.9
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	76.3	74.6	82.4	84.2	76.8	83.6
Efficiency of thermal power stations		42.7	43.5	43.3	42.7	46.0	46.5

2. Energy balance

Principal aggregates by product

<i>in 1 000 toe</i>	ÉIRE / IRELAND					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	1 866	1 881	1 616	1 597	1 409	1 520
<i>among which:</i> Hard coal	32	34	-	-	-	-
Lignite and peat	1 055	877	789	766	591	645
Crude oil	-	-	-	-	-	-
Natural Gas	544	688	461	411	369	354
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	51	54	54	62	57	83
Biomass	144	171	216	217	218	224
Imports						
Total	15 159	15 176	15 108	15 522	15 322	15 522
<i>among which:</i> Hard coal	1 740	1 919	1 963	1 721	1 498	1 664
Crude oil and feedstocks	3 295	2 937	3 305	3 222	3 429	3 312
Petroleum products	6 866	7 205	6 631	6 814	6 328	6 300
Natural Gas	3 133	2 960	3 010	3 602	3 916	4 127
Electricity	101	135	176	154	121	65
Exports						
Total	1 581	1 310	1 447	1 301	1 212	1 260
<i>among which:</i> Crude oil and feedstocks	86	-	-	-	-	-
Petroleum products	1 481	1 297	1 432	1 288	1 195	1 209
Natural gas	-	-	-	-	-	-
Electricity	1	-	0	1	7	26
Gross inland consumption						
Total	15 025	15 846	15 127	15 522	15 874	15 786
<i>among which:</i> Solid fuels	2 657	2 459	2 689	2 435	2 292	2 367
Crude oil and petrol. prod.	8 379	9 325	8 426	8 499	8 717	8 332
Natural gas	3 653	3 645	3 470	4 013	4 284	4 482
Nuclear Energy	-	-	-	-	-	-
Renewables	235	282	367	422	466	565
Transformation input						
Total	8 234	7 910	8 225	8 288	8 240	8 248
<i>among which:</i> Crude oil and feedstocks	3 252	3 047	3 343	3 168	3 399	3 308
Natural gas	2 351	2 247	2 040	2 412	2 731	2 805
Petroleum products	608	782	775	840	396	353
Hard coal	1 348	1 415	1 408	1 294	1 153	1 047
Lignite and peat	657	395	629	544	527	697
Renewables	19	25	30	31	33	38
Transformation output						
Total	5 339	5 075	5 309	5 492	5 539	5 583
<i>among which:</i> Electricity	2 047	2 058	2 054	2 130	2 171	2 233
Heat	-	-	-	-	-	-

		ÉIRE / IRELAND					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		11 463	11 818	12 463	13 072	12 184	13 194
<i>among which:</i>	Solid fuels	661	667	704	658	641	647
	Petroleum products	7 417	7 563	8 020	8 434	7 540	8 362
	Natural Gas	1 277	1 458	1 461	1 564	1 568	1 656
	Renewables	126	147	184	189	211	236
	Electricity	1 980	1 983	2 094	2 226	2 224	2 294
Final energy consumption by sector							
Industry							
Total		2 236	2 366	2 595	2 788	2 544	2 481
<i>among which:</i>	Solid fuels	129	148	164	134	140	126
	Petroleum Products	937	932	1 066	1 089	900	935
	Natural Gas	437	565	541	628	623	595
	Renewables	108	129	163	164	152	139
	Electricity	625	592	660	773	729	686
Transport							
Total		4 440	4 614	4 997	5 373	4 725	5 433
<i>among which:</i>	Motor spirit	1 665	1 711	1 801	1 974	1 915	1 792
	Diesel oil	1 988	2 153	2 331	2 491	1 736	2 609
	Jet fuel	764	724	836	864	1 019	949
	Electricity	2	4	5	8	4	5
Services & households etc.							
Total		4 787	4 838	4 871	4 911	4 915	5 280
<i>among which:</i>	Solid fuels	532	519	540	525	501	521
	Gas oil	1 076	1 034	1 065	1 011	1 035	1 025
	Natural Gas	841	893	919	936	945	1 061
	Renewables	18	18	20	23	34	44
	Electricity	1 353	1 386	1 429	1 446	1 490	1 603
	Heat	-	-	-	-	-	-

3.1 Electricity balance

<i>in GWh</i>	ÉIRE / IRELAND					
	2003	2004	2005	2006	2007	2008
Generation						
Total gross generation	25 219	25 569	25 970	27 480	28 226	29 685
<i>among which:</i>						
Hydro	956	984	975	1 088	1 016	1 300
Wind	454	655	1 112	1 622	1 958	2 410
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	23 809	23 930	23 883	24 770	25 252	25 975
<i>of which:</i>						
Hard coal	6 203	6 229	6 389	5 884	5 499	5 228
Lignite and peat	2 028	1 487	2 450	2 138	2 172	2 790
Petroleum products	2 454	3 211	3 340	2 712	1 983	1 731
Natural gas	13 038	12 894	11 574	13 908	15 466	16 066
Derived gases	-	-	-	-	-	-
Biomass	70	92	130	128	132	160
Industrial wastes	16	17	-	-	-	-
Total net generation	24 069	24 413	24 320	26 665	27 749	28 365
Imports and exports						
Total imports	1 176	1 574	2 045	1 787	1 412	753
Total exports	10	-	1	9	82	303
Consumption and losses						
Consumption of the energy branch	1 534	1 544	1 999	1 168	857	1 643
<i>of which:</i>						
Consumption for pumped-storage	193	198	186	208	197	192
Network losses	2 036	2 036	2 088	2 180	2 267	2 248
Final energy consumption	23 031	23 057	24 352	25 894	25 864	26 675
<i>of which:</i>						
Industry	7 274	6 885	7 673	8 991	8 478	7 977
<i>among which:</i>						
Iron&steel industry	12	12	12	12	-	-
Non-ferrous metals	399	384	440	190	501	494
Chemical industry	1 142	1 009	1 253	1 435	1 295	1 214
Non-met. mineral prod.	560	539	745	998	900	844
Food, drink, tobacco	1 774	1 686	1 654	1 884	1 700	1 594
Pulp, paper and print	320	313	276	300	270	254
Engineering & metal	1 494	1 420	1 687	2 152	1 989	1 869
Other industries	914	873	931	1 243	1 122	1 051
Transport	23	51	59	91	52	55
Services & households etc.	15 734	16 121	16 620	16 812	17 334	18 643
<i>among which:</i>						
Households	6 966	7 346	7 512	8 083	8 063	8 526

3.2 Electrical capacity, fuel inputs and heat

		ÉIRE / IRELAND					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	5 641	5 802	6 152	6 443	7 286	7 202
<i>by source:</i>							
Conventional thermal		4 899	4 929	5 132	5 171	5 905	5 643
<i>of which:</i>							
Steam		2 761	2 668	2 768	2 735	2 731	2 502
Gas turbine		541	649	804	882	862	813
Combined cycle		1 472	1 487	1 481	1 481	2 266	2 266
Internal combustion		52	52	64	68	16	56
Nuclear		-	-	-	-	-	-
Hydro		532	532	526	526	526	531
<i>among which:</i>							
Pumped storage		292	292	292	292	292	292
Wind		210	341	494	746	855	1 028
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		5 505	5 660	6 125	6 181	7 197	7 113
Autoproducers		136	142	145	262	289	289
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	4 796	4 726	4 747	4 984	4 718	4 806
<i>among which:</i>							
Hard coal		1 327	1 387	1 380	1 266	1 124	1 047
Lignite and peat		513	297	523	436	433	575
Petroleum products		586	770	775	840	396	341
Natural gas		2 351	2 247	2 040	2 412	2 731	2 805
Renewables		19	25	30	31	33	38
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	-	-	-	-	-	-
<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

<i>in 1 000 t</i>	ÉIRE / IRELAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	3 258	2 911	3 273	3 195	3 418	3 289
Total exports	85	-	-	-	-	-
Stock changes	52	31	37	-51	-29	3
Refinery intake	3 215	3 020	3 311	3 141	3 389	3 285
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	-	80	-	-	163	535
Near and Middle East	-	-	-	-	-	-
Africa	-	80	-	-	163	535
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	80	-	-	163	535
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	2 124	1 959	2 500	2 692	1 959	1 906
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	ÉIRE / IRELAND					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	3 130	2 895	3 120	3 233	3 258	3 234
<i>among which:</i>						
Motor spirit	639	552	683	635	493	570
Kerosene and jet fuel	315	252	239	228	202	210
Naphtha	31	21	5	8	10	24
Gas/diesel oil	988	964	1 097	1 122	1 183	1 150
Residual fuel oil	1 005	966	948	1 101	1 250	1 161
Total imports	6 917	7 202	6 644	6 819	6 304	6 282
Total exports	1 512	1 324	1 460	1 325	1 243	1 259
Bunkers	171	150	104	124	111	86
Stock changes	-95	583	-12	-69	299	9
Gross inland consumption	5 139	6 311	5 068	5 301	5 249	4 946
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	142	47	38	32	-	-
United Kingdom	5 713	6 212	5 788	5 757	5 616	6 327
Russia	-	-	-	-	-	-
Norway	522	391	198	277	157	-
OPEC	11	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	1 114	1 191	1 011	1 142	1 114	965
Kerosene and jet fuel	1 353	1 348	1 428	1 464	1 432	1 577
Gas/diesel oil	2 351	2 510	2 168	2 300	2 499	2 338
Residual fuel oil	1 177	1 318	1 145	1 085	601	599
Exports by product						
<i>among which:</i>						
Motor spirit	191	122	176	103	26	6
Kerosene and jet fuel	65	13	7	20	17	-
Gas/diesel oil	118	124	154	82	14	19
Residual fuel oil	1 080	942	1 013	1 062	1 156	1 194
Consumption						
Inputs to electricity plants						
Inputs to heating plants	610	802	805	872	413	356
Non-energy use	-	-	-	-	-	-
Final energy consumption	266	294	325	377	139	319
	7 336	7 465	7 914	8 320	7 435	8 235
Industry						
	1 008	1 003	1 145	1 170	980	1 003
<i>among which by product:</i>						
Gas/diesel oil	190	180	185	189	178	240
Residual fuel oil	360	372	489	505	283	289

in 1 000 t	ÉIRE / IRELAND					
	2003	2004	2005	2006	2007	2008
Industry						
<i>among which by sector:</i>						
Iron&steel industry	4	-	-	-	2	1
Non-ferrous metals	182	189	353	367	192	198
Chemical industry	140	141	136	135	126	93
Non-met. mineral prod.	330	324	333	348	388	342
Food, drink, tobacco	159	151	146	137	111	135
Pulp, paper and print	9	10	7	11	7	5
Engineering & metal	69	69	56	54	28	34
Other industries	52	57	61	61	76	112
Transport	4 303	4 471	4 842	5 202	4 547	5 219
<i>among which:</i>						
Motor spirit	1 584	1 628	1 714	1 878	1 822	1 705
Jet fuel	744	705	814	841	992	924
Diesel oil	1 954	2 116	2 291	2 448	1 706	2 564
Services & households etc.	2 025	1 991	1 927	1 948	1 908	2 013
<i>among which:</i>						
Gas oil	1 058	1 016	1 047	994	1 017	1 007
Residual fuel oil	140	130	10	13	10	10
Stocks at end of period						
Crude oil and feedstocks	124	93	56	107	136	122
Petroleum products	1 531	948	1 590	1 668	1 326	1 309

5. Natural gas

<i>in TJ (GCV)</i>	ÉIRE / IRELAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	25 293	32 025	21 434	19 107	17 181	16 477
Total imports	145 769	137 683	140 007	167 581	182 153	191 988
Total exports	-	-	-	-	-	-
Stock changes	-1 145	-143	-37	-6	-50	53
Gross inland consumption	169 917	169 565	161 404	186 682	199 284	208 518
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	109 383	104 519	94 888	112 225	127 064	130 485
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Distribution losses	2 253	2 468	3 094	3 081	2 655	2 946
Non-energy use	6	-	-	-	-	-
Industry	20 309	26 286	25 187	29 221	28 975	27 678
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	393	632	328	6 358	7 393	7 683
Chemical industry	5 031	6 579	6 514	5 434	5 092	4 695
Non-met. mineral prod.	2 222	2 924	3 221	2 917	2 733	2 520
Food, drink, tobacco	7 046	9 336	9 690	9 069	8 498	7 835
Pulp, paper and print	1 073	1 205	502	354	332	306
Engineering & metal	2 299	2 732	2 815	3 429	3 372	3 205
Other industries	668	863	759	560	524	484
Transport	-	-	-	-	-	-
Services & households etc.	39 109	41 524	42 763	43 545	43 970	49 343
<i>among which:</i>						
Households	25 021	27 908	28 171	29 345	27 527	31 051
Services	14 088	13 616	14 592	14 200	16 443	18 292

6.1 Hard coal

<i>in 1 000 t</i>	ÉIRE / IRELAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	51	55	-	-	-	-
Total imports	2 616	2 886	2 952	2 589	2 253	2 502
Total exports	2	5	7	3	3	23
Stock changes	117	-74	-70	4	134	-243
Gross inland consumption	2 782	2 862	2 875	2 590	2 384	2 236
Imports						
Imports by origin						
<i>among which:</i>						
Australia	600	1 224	299	-	387	394
Colombia	454	1 244	1 013	1 090	322	779
Russia	-	-	-	-	-	-
South Africa	808	4	634	375	488	294
USA	222	-	-	-	73	142
Consumption						
Inputs to electricity plants	2 195	2 239	2 287	2 043	1 815	1 690
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	194	223	246	201	211	189
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	158	190	156	158	182	160
Food, drink, tobacco	22	22	75	41	27	27
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	4	-	1	-	-	-
Other industries	-	-	3	2	2	2
Services & households etc.	364	357	365	355	335	348

6.2 Coal derivatives and peat

	ÉIRE / IRELAND					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
Lignite and peat	5 290	4 395	3 956	3 694	2 772	3 089
Brown coal briquettes	279	206	215	222	214	209
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 etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	606	597	634	634	608	577
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	606	597	634	634	608	577
Brown coal briquettes	213	203	205	200	193	239
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	213	203	205	200	193	239
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

		ÉIRE / IRELAND					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	235	282	367	420	448	521
Hydro (excl. pumping)		51	54	54	62	57	83
Wind		39	56	96	139	168	207
Solar		0	0	0	1	1	3
Geothermal		0	0	0	1	3	4
Biomass		144	171	216	217	218	224
	<i>among which:</i>						
Wood, wood-waste		119	141	180	181	169	167
Municipal solid waste		-	-	-	-	-	-
Biogas		25	30	34	32	33	35
Gross inland consumption		235	282	367	422	466	565
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		19	25	30	31	33	38
	<i>among which:</i>						
Wood, wood-waste		-	2	2	3	3	7
Municipal waste		-	-	-	-	-	-
Biogas		19	22	27	28	30	31
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	126	147	184	189	211	236
	<i>by sector:</i>						
Industry		108	129	163	164	152	139
Services & households etc.		18	18	20	23	34	44
Transport		-	-	1	2	25	53
	<i>by source:</i>						
Biomass		126	146	184	187	207	229
	<i>among which:</i>						
Wood, wood-waste		119	139	176	181	179	171
Municipal waste		-	-	-	-	-	-
Biogas		7	7	7	4	4	4
Geothermal		0	0	0	1	3	4
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		26	29	49	44	36	47
Hydro with installed capacity > 1 & <10 MW		57	71	54	63	58	85
Hydro with installed capacity > 10 MW		515	530	529	618	572	836
Wood, Wood-waste		-	8	8	8	13	33
Municipal waste		-	-	-	-	-	-
Biogas		86	101	122	121	119	127

		ÉIRE / IRELAND					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		11	11	18	18	18	23
Hydro with installed capacity > 1 & <10 MW		23	27	20	20	20	20
Hydro with installed capacity > 10 MW		206	202	196	196	196	196
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		15	15	18	25	27	29
Liquid biofuels							
Production	<i>1000 t</i>	-	-	1	4	18	24
Solar Panels							
Solar panel surface	<i>1000 m²</i>	6	8	13	16	35	79

1. Energy economy

Key figures and energy indicators

		ELLÁDA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	9 887	10 264	10 291	10 050	10 226	10 022
Net energy imports		22 592	24 708	23 448	24 857	24 706	25 484
Net oil imports		19 989	21 828	20 419	21 548	20 631	21 079
Net gas imports		2 002	2 174	2 332	2 721	3 335	3 506
Gross inland energy consumption		30 307	30 773	31 351	31 513	31 538	31 894
Final energy consumption		20 530	20 297	20 800	21 402	21 861	21 195
Industry		4 315	4 054	4 143	4 213	4 587	4 238
Transport		7 818	7 977	8 085	8 450	8 714	8 510
Services and households etc.		8 398	8 266	8 572	8 740	8 561	8 446
Gross electricity generation	<i>GWh</i>	58 471	59 346	60 020	60 789	63 497	63 749
Final electricity consumption		48 598	49 738	50 904	52 523	55 190	56 646
Socio-economic statistics							
Population	<i>1000 per.</i>	11 006	11 041	11 083	11 125	11 172	11 214
Total imports (current prices)	<i>Mio EUR</i>	56 498	59 408	61 099	69 554	76 444	77 560
among which:							
All energy commodities		5 437	5 383	7 888	9 713	8 398	12 119
Oil products		4 991	4 906	7 249	8 791	7 477	10 649
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	2 754	2 787	2 829	2 833	2 823	2 844
Final energy consumption / capita		1 865	1 838	1 877	1 924	1 957	1 890
Household consumption / capita		498	487	495	493	477	459
Final electricity consumption / capita	<i>kWh/cap.</i>	4 415	4 505	4 593	4 721	4 940	5 051
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	67.5	72.7	68.6	71.9	71.1	72.9
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	67.7	66.0	66.3	67.9	69.3	66.5
Efficiency of thermal power stations		38.0	38.2	37.5	38.5	38.8	38.1

2. Energy balance

Principal aggregates by product

<i>in 1 000 toe</i>	ELLÁDA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	9 887	10 264	10 291	10 050	10 226	10 022
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	8 176	8 547	8 538	8 137	8 445	8 351
Crude oil	138	134	101	95	82	63
Natural Gas	31	29	18	26	22	15
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	410	402	431	520	223	285
Biomass	945	954	990	1 006	1 123	970
Imports						
Total	28 791	30 627	29 550	32 113	32 374	33 105
<i>among which:</i> Hard coal	485	498	395	237	372	408
Crude oil and feedstocks	21 219	21 743	20 367	22 610	22 977	21 760
Petroleum products	4 723	5 792	5 970	6 013	5 135	6 770
Natural Gas	2 002	2 174	2 332	2 721	3 335	3 506
Electricity	358	417	483	528	551	651
Exports						
Total	6 199	5 919	6 103	7 256	7 669	7 620
<i>among which:</i> Crude oil and feedstocks	1 110	816	924	1 062	1 064	1 072
Petroleum products	4 843	4 891	4 994	6 014	6 418	6 378
Natural gas	-	-	-	-	-	-
Electricity	179	175	158	167	177	169
Gross inland consumption						
Total	30 307	30 773	31 351	31 513	31 538	31 894
<i>among which:</i> Solid fuels	8 906	9 101	8 952	8 392	8 891	8 540
Crude oil and petrol. prod.	17 619	17 612	18 062	18 211	17 238	17 761
Natural gas	2 026	2 229	2 354	2 747	3 350	3 506
Nuclear Energy	-	-	-	-	-	-
Renewables	1 543	1 554	1 634	1 796	1 679	1 600
Transformation input						
Total	34 338	33 356	33 930	34 508	36 540	35 317
<i>among which:</i> Crude oil and feedstocks	22 371	21 215	21 521	22 549	23 463	22 241
Natural gas	1 484	1 599	1 605	1 889	2 453	2 495
Petroleum products	1 962	1 802	1 966	2 004	2 183	2 371
Hard coal	25	-	-	-	1	-
Lignite and peat	8 427	8 667	8 782	8 031	8 402	8 172
Renewables	31	33	28	27	33	34
Transformation output						
Total	26 857	25 788	26 087	27 061	28 342	27 024
<i>among which:</i> Electricity	4 481	4 559	4 569	4 524	5 013	4 931
Heat	46	43	49	56	41	44

		ELLÁDA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		20 530	20 297	20 800	21 402	21 861	21 195
<i>among which:</i>	Solid fuels	603	559	446	402	532	392
	Petroleum products	14 303	13 933	14 278	14 639	14 571	13 951
	Natural Gas	385	461	585	686	705	804
	Renewables	1 014	1 023	1 066	1 103	1 267	1 133
	Electricity	4 179	4 277	4 377	4 516	4 745	4 871
Final energy consumption by sector							
Industry							
Total		4 315	4 054	4 143	4 213	4 587	4 238
<i>among which:</i>	Solid fuels	597	553	435	394	530	386
	Petroleum Products	1 970	1 718	1 798	1 938	2 094	1 803
	Natural Gas	328	373	426	445	409	454
	Renewables	202	207	244	219	235	264
	Electricity	1 217	1 203	1 240	1 217	1 318	1 331
Transport							
Total		7 818	7 977	8 085	8 450	8 714	8 510
<i>among which:</i>	Motor spirit	3 836	3 920	4 086	4 131	4 317	4 236
	Diesel oil	2 484	2 448	2 465	2 592	2 617	2 543
	Jet fuel	1 162	1 208	1 181	1 295	1 312	1 335
	Electricity	20	20	17	19	22	21
Services & households etc.							
Total		8 398	8 266	8 572	8 740	8 561	8 446
<i>among which:</i>	Solid fuels	6	6	10	8	2	6
	Gas oil	4 386	4 071	4 234	4 129	3 698	3 570
	Natural Gas	46	78	147	229	282	336
	Renewables	812	816	822	838	946	800
	Electricity	2 941	3 054	3 120	3 280	3 406	3 519
	Heat	46	43	49	56	41	44

3.1 Electricity balance

	ELLÁDA					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	58 471	59 346	60 020	60 789	63 497	63 749
<i>among which:</i>						
Hydro	5 332	5 205	5 610	6 475	3 376	4 149
Wind	1 021	1 121	1 266	1 699	1 818	2 242
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	52 118	53 019	53 143	52 614	58 302	57 353
<i>of which:</i>						
Hard coal	78	-	-	-	-	-
Lignite and peat	35 092	35 380	35 543	32 264	34 676	33 356
Petroleum products	8 707	8 385	9 207	9 601	9 643	9 990
Natural gas	7 995	8 991	8 171	10 610	13 774	13 797
Derived gases	-	-	-	-	-	-
Biomass	105	123	122	114	184	191
Industrial wastes	141	140	100	25	25	19
Total net generation	54 337	54 889	55 740	56 547	59 088	59 407
Imports and exports						
Total imports	4 169	4 854	5 616	6 140	6 412	7 575
Total exports	2 076	2 034	1 836	1 938	2 057	1 962
Consumption and losses						
Consumption of the energy branch	6 447	6 697	6 705	6 758	7 019	6 826
<i>of which:</i>						
Consumption for pumped-storage	241	225	248	183	337	359
Network losses	4 953	5 199	5 598	5 100	4 860	4 543
Final energy consumption	48 598	49 738	50 904	52 523	55 190	56 646
<i>of which:</i>						
Industry	14 156	13 987	14 419	14 156	15 328	15 485
<i>among which:</i>						
Iron&steel industry	1 550	1 506	1 683	1 776	1 985	1 693
Non-ferrous metals	3 752	4 237	4 615	4 111	4 594	3 956
Chemical industry	627	524	569	529	98	763
Non-met. mineral prod.	2 072	2 240	2 407	2 311	2 582	2 245
Food, drink, tobacco	1 875	1 899	1 896	2 006	2 242	2 230
Pulp, paper and print	576	584	543	583	652	613
Engineering & metal	1 052	720	691	721	806	836
Other industries	1 550	1 042	992	1 061	1 186	1 946
Transport	237	238	199	217	251	239
Services & households etc.	34 205	35 513	36 286	38 150	39 611	40 922
<i>among which:</i>						
Households	16 444	16 852	16 875	17 676	17 957	18 126

3.2 Electrical capacity, fuel inputs and heat

		ELLÁDA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	12 078	12 430	13 304	13 566	13 677	14 241
<i>by source:</i>							
Conventional thermal		8 628	8 861	9 708	9 682	9 681	10 043
<i>of which:</i>							
Steam		6 123	6 111	6 104	6 083	6 094	6 052
Gas turbine		466	481	523	519	504	845
Combined cycle		1 386	1 541	2 306	2 305	2 293	2 293
Internal combustion		632	728	775	775	790	853
Nuclear		-	-	-	-	-	-
Hydro		3 079	3 099	3 105	3 135	3 150	3 176
<i>among which:</i>							
Pumped storage		699	699	699	699	699	699
Wind		371	470	491	749	846	1 022
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		11 842	12 179	13 048	13 329	13 526	13 727
Autoproducers		237	257	257	242	183	526
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	11 915	12 042	12 317	11 899	13 041	13 068
<i>among which:</i>							
Hard coal		25	-	-	-	1	-
Lignite and peat		8 374	8 569	8 689	7 971	8 366	8 165
Petroleum products		1 962	1 802	1 966	2 004	2 183	2 371
Natural gas		1 484	1 599	1 605	1 889	2 453	2 495
Renewables		31	33	28	27	33	34
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	46	43	49	56	41	44
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		46	43	49	56	41	44
<i>of which: in industry</i>							
		-	-	-	-	-	-
in households and services		46	43	49	56	41	44
<i>among which: in households</i>							
		46	43	49	56	41	44

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	ELLÁDA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	137	133	100	94	81	62
Total imports	21 102	21 619	20 219	22 421	22 786	21 558
Total exports	1 105	812	918	1 054	1 056	1 063
Stock changes	436	-1 042	786	-28	-229	-186
Refinery intake	22 230	21 083	21 355	22 354	23 256	22 024
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	11 693	14 434	12 615	13 024	12 709	11 234
Near and Middle East	10 681	13 138	11 275	10 762	10 293	8 261
Africa	1 371	1 337	1 340	2 262	2 416	3 102
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	253	255	113	-	188	117
Iran	4 244	6 592	5 348	5 944	6 731	5 481
Kazakhstan	45	-	48	1 353	1 185	1 249
Kuwait	-	-	-	-	-	-
Libya	989	1 240	1 283	2 222	2 291	2 839
Mexico	-	-	-	-	-	-
Nigeria	23	56	57	40	125	134
Norway	-	-	-	-	-	-
Russia	7 654	5 822	6 036	5 379	6 435	6 674
Saudi Arabia	6 184	6 291	5 814	4 818	3 374	2 663
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	ELLÁDA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	22 113	20 991	21 240	22 245	23 047	21 823
<i>among which:</i>						
Motor spirit	3 653	3 629	4 058	4 327	4 318	4 251
Kerosene and jet fuel	1 649	1 749	1 778	1 457	1 745	1 873
Naphtha	1 037	960	678	726	843	609
Gas/diesel oil	6 053	5 369	5 653	6 452	6 562	6 517
Residual fuel oil	7 456	7 095	6 956	6 953	7 116	6 008
Total imports	4 751	5 800	6 001	6 035	5 301	6 979
Total exports	4 728	4 782	4 881	5 892	6 298	6 306
Bunkers	3 297	3 332	2 949	3 184	3 322	3 178
Stock changes	137	-66	-400	-313	-76	-134
Gross inland consumption	-3 050	-2 380	-2 229	-3 354	-4 395	-2 639
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	89	110	29	11	241	222
United Kingdom	31	44	2	58	3	166
Russia	1 653	2 204	2 329	1 803	986	1 180
Norway	-	-	-	-	-	527
OPEC	523	641	1 519	847	1 113	824
Imports by product						
<i>among which:</i>						
Motor spirit	749	1 059	1 023	1 002	609	629
Kerosene and jet fuel	295	240	292	447	401	490
Gas/diesel oil	3 003	3 672	3 757	3 594	2 629	2 598
Residual fuel oil	184	171	264	389	677	2 304
Exports by product						
<i>among which:</i>						
Motor spirit	942	1 216	1 261	1 351	1 373	1 081
Kerosene and jet fuel	869	573	827	708	810	937
Gas/diesel oil	1 102	1 164	1 480	2 311	2 307	2 087
Residual fuel oil	649	748	604	835	979	1 301
Consumption						
Inputs to electricity plants						
Inputs to heating plants	2 021	1 857	2 030	2 069	2 231	2 409
Non-energy use	-	-	-	-	-	-
Final energy consumption	740	792	669	815	737	738
	14 070	13 739	14 068	14 425	14 432	13 764
Industry						
	2 066	1 852	1 928	2 067	2 300	1 957
<i>among which by product:</i>						
Gas/diesel oil	550	227	439	486	435	419
Residual fuel oil	778	801	667	791	772	653

	ELLÁDA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	54	25	5	6	6	5
Non-ferrous metals	279	269	211	231	224	245
Chemical industry	133	169	166	181	174	152
Non-met. mineral prod.	569	697	720	713	1 028	754
Food, drink, tobacco	291	216	155	174	168	147
Pulp, paper and print	98	59	55	63	61	53
Engineering & metal	30	26	27	30	30	27
Other industries	460	262	467	555	505	478
Transport	7 540	7 698	7 798	8 109	8 319	8 134
<i>among which:</i>						
Motor spirit	3 650	3 730	3 888	3 931	4 108	4 031
Jet fuel	1 131	1 176	1 150	1 261	1 277	1 300
Diesel oil	2 441	2 406	2 423	2 547	2 572	2 499
Services & households etc.	4 464	4 189	4 342	4 249	3 813	3 673
<i>among which:</i>						
Gas oil	4 311	4 001	4 161	4 058	3 634	3 509
Residual fuel oil	36	44	47	60	59	52
Stocks at end of period						
Crude oil and feedstocks	1 560	2 602	1 816	1 844	2 073	2 259
Petroleum products	2 389	2 455	2 855	3 168	3 244	3 378

5. Natural gas

<i>in TJ (GCV)</i>	ELLÁDA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	1 442	1 337	851	1 209	1 026	681
Total imports	93 138	101 125	108 495	126 604	155 138	163 122
Total exports	-	-	-	-	-	-
Stock changes	-319	1 220	141	-11	-336	-697
Gross inland consumption	94 261	103 682	109 487	127 802	155 828	163 106
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	22 528	18 601	17 788	24 098	36 319	39 885
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	70 610	82 524	90 707	102 506	118 819	106 510
Consumption						
Inputs to electricity plants	69 017	74 390	74 679	87 877	114 104	116 078
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	1 479	1 706	1 437	1 501	1 502	1 802
Distribution losses	64	235	331	393	305	224
Non-energy use	5 750	6 106	5 959	6 030	6 379	8 823
Industry	15 281	17 336	19 801	20 690	19 012	21 100
<i>among which:</i>						
Iron&steel industry	2 751	3 057	3 252	3 166	3 639	3 475
Non-ferrous metals	2 407	2 510	2 946	2 372	2 649	2 772
Chemical industry	1 001	1 332	2 462	2 006	1 838	1 970
Non-met. mineral prod.	2 773	3 078	3 198	4 316	3 887	3 867
Food, drink, tobacco	3 191	3 818	5 074	5 840	3 425	3 872
Pulp, paper and print	1 289	1 445	1 245	1 557	1 393	1 572
Engineering & metal	66	95	75	87	139	140
Other industries	404	619	653	529	802	678
Transport	495	493	552	582	667	660
Services & households etc.	2 157	3 636	6 840	10 648	13 099	15 645
<i>among which:</i>						
Households	870	1 612	3 406	6 480	8 216	9 653
Services	1 287	2 024	3 434	4 168	4 883	5 992

6.1 Hard coal

	ELLÁDA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	747	814	646	383	605	664
Total exports	60	22	13	10	16	2
Stock changes	146	-16	-70	90	122	-139
Gross inland consumption	833	776	563	463	711	523
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	71	72	110
Russia	244	546	380	225	412	329
South Africa	-	-	132	-	36	51
USA	-	-	-	-	-	66
Consumption						
Inputs to electricity plants	39	-	-	-	1	-
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	791	772	560	461	708	520
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	160	147	131	91	135	135
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	631	625	429	370	571	383
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	3	4	3	2	2	3

6.2 Coal derivatives and peat

	ELLÁDA					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
Lignite and peat	68 299	70 041	69 398	64 521	66 464	65 720
Brown coal briquettes	209	189	183	129	97	24
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	4	4	4	-	-	1
<i>among which:</i>						
Iron & steel industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	195	199	256	376	317	336
<i>among which:</i>						
Industry	195	195	224	345	313	304
Services & households etc.	-	4	32	31	4	32
Brown coal briquettes	117	105	117	98	93	23
<i>among which:</i>						
Industry	107	97	113	98	93	23
Services & households etc.	10	8	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

		ELLÁDA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	1 543	1 554	1 634	1 793	1 677	1 594
Hydro (excl. pumping)		410	402	431	520	223	285
Wind		88	96	109	146	156	149
Solar		99	101	102	109	160	174
Geothermal		1	1	1	11	14	17
Biomass		945	954	990	1 006	1 123	970
	<i>among which:</i>						
Wood, wood-waste		909	917	957	931	1 005	873
Municipal solid waste		-	-	-	-	-	-
Biogas		36	38	33	33	35	34
Gross inland consumption		1 543	1 554	1 634	1 796	1 679	1 600
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		31	33	28	27	33	34
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		31	33	28	27	33	34
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	1 014	1 023	1 066	1 103	1 267	1 133
	<i>by sector:</i>						
Industry		202	207	244	219	235	264
Services & households etc.		812	816	822	838	946	800
Transport		-	-	-	46	85	69
	<i>by source:</i>						
Biomass		915	921	962	983	1 093	942
	<i>among which:</i>						
Wood, wood-waste		909	917	957	931	1 005	873
Municipal waste		-	-	-	-	-	-
Biogas		5	5	5	6	3	1
Geothermal		1	1	1	11	14	17
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	1	1	1	1	5
Hydro with installed capacity < 1 MW		76	91	106	89	118	117
Hydro with installed capacity > 1 & <10 MW		169	212	218	299	177	207
Hydro with installed capacity > 10 MW		4 521	4 369	4 693	5 477	2 297	2 987
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		105	123	122	114	184	191

		ELLÁDA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		1	1	1	5	9	12
Hydro with installed capacity < 1 MW		19	23	26	21	37	44
Hydro with installed capacity > 1 & <10 MW		50	59	63	95	95	114
Hydro with installed capacity > 10 MW		2 311	2 318	2 318	2 319	2 319	2 319
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		22	24	24	24	39	40
Liquid biofuels							
Production	<i>1000 t</i>	-	-	-	48	92	69
Solar Panels							
Solar panel surface	<i>1000 m²</i>	2 935	2 994	3 047	3 296	3 573	3 871

1. Energy economy

Key figures and energy indicators

		ESPAÑA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	32 782	32 399	30 127	31 147	30 108	30 266
Net energy imports		109 080	115 282	123 972	124 054	123 276	122 500
Net oil imports		75 025	76 753	79 421	79 158	78 893	76 841
Net gas imports		21 168	24 615	30 248	31 647	31 504	35 237
Gross inland energy consumption		135 308	141 480	144 588	144 061	146 626	141 879
Final energy consumption		90 394	94 397	97 459	96 054p	98 809p	95 419p
Industry		29 777	30 254	31 097	25 785	27 907	26 773
Transport		36 589	38 304	39 609	40 763p	42 004p	40 194p
Services and households etc.		24 029	25 839	26 752	29 506	28 898	28 452
Gross electricity generation	<i>GWh</i>	262 860	280 007	294 040	299 460	305 053	313 746
Final electricity consumption		219 988	230 669	242 222	256 466	262 233	265 363
Socio-economic statistics							
Population	<i>1000 per.</i>	41 664	42 345	43 038	43 758	44 475	45 283
Total imports (current prices)	<i>Mio EUR</i>	224 681	251 800	281 383	322 224	349 513	352 927
among which:							
All energy commodities		19 113	23 305	32 635	41 123	42 428	54 884
Oil products		14 583	18 067	25 034	31 512	32 834	40 820
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	3 248	3 341	3 360	3 292	3 297	3 133
Final energy consumption / capita		2 170	2 229	2 264	2 195	2 222	2 107
Household consumption / capita		331	345	352	361	357	347
Final electricity consumption / capita	<i>kWh/cap.</i>	5 280	5 447	5 628	5 861	5 896	5 860
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	76.7	77.6	81.3	81.5	79.5	81.4
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	66.8	66.7	67.4	66.7	67.4	67.3
Efficiency of thermal power stations		44.1	44.7	46.7	45.3	45.4	48.4

2. Energy balance

Principal aggregates by product

<i>in 1 000 toe</i>	ESPAÑA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	32 782	32 399	30 127	31 147	30 108	30 266
<i>among which:</i> Hard coal	5 368	5 135	5 086	4 703	4 456	4 194
Lignite and peat	1 607	1 318	1 178	1 346	1 001	-
Crude oil	325	257	168	140	143	128
Natural Gas	197	310	144	63	16	14
Nuclear heat	15 961	16 407	14 842	15 510	14 214	15 212
Hydro-electricity	3 530	2 713	1 681	2 226	2 342	2 021
Biomass	4 700	4 852	5 131	5 064	5 422	5 567
Imports						
Total	117 197	124 962	133 751	135 747	136 597	135 615
<i>among which:</i> Hard coal	13 140	14 730	14 741	14 139	14 551	12 296
Crude oil and feedstocks	58 530	59 999	60 833	61 860	59 571	61 060
Petroleum products	23 391	24 804	26 958	27 214	29 988	26 021
Natural Gas	21 168	24 615	30 248	31 647	31 504	35 278
Electricity	819	697	878	782	754	506
Exports						
Total	8 117	9 679	9 779	11 692	13 321	13 115
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	6 897	8 051	8 371	9 916	10 666	10 240
Natural gas	-	-	-	-	-	41
Electricity	710	958	994	1 064	1 249	1 455
Gross inland consumption						
Total	135 308	141 480	144 588	144 061	146 626	141 879
<i>among which:</i> Solid fuels	20 164	21 096	20 698	17 900	20 050	13 894
Crude oil and petrol. prod.	68 397	70 093	70 610	70 316	70 790	67 865
Natural gas	21 353	25 172	29 844	31 233	31 784	34 910
Nuclear Energy	15 961	16 407	14 842	15 510	14 214	15 212
Renewables	9 324	8 972	8 709	9 384	10 283	10 948
Transformation input						
Total	106 180	112 259	114 793	116 513	114 581	114 121
<i>among which:</i> Crude oil and feedstocks	58 739	60 612	61 494	62 591	60 974	61 642
Natural gas	5 327	7 701	10 798	13 797	13 766	17 946
Petroleum products	4 943	4 916	5 311	4 551	4 218	3 860
Hard coal	18 148	19 135	19 004	16 849	18 404	13 255
Lignite and peat	1 391	1 561	1 178	1 357	1 021	-
Renewables	937	1 220	1 391	1 141	1 251	1 525
Transformation output						
Total	78 591	82 667	85 123	85 996	84 433	85 547
<i>among which:</i> Electricity	17 782	19 764	21 472	21 170	21 192	21 743
Heat	-	-	-	-	-	-

		ESPAÑA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		90 394	94 397	97 459	96 054p	98 809p	95 419p
<i>among which:</i>	Solid fuels	1 833	1 870	1 782	1 660	1 818	1 574
	Petroleum products	50 138	52 236	53 054	52 859	54 115	51 492
	Natural Gas	15 322	16 372	17 653	15 158p	15 706p	14 773p
	Renewables	3 813	3 689	3 805	4 004	4 277	4 423
	Electricity	18 916	19 834	20 827	22 052	22 548	22 817
Final energy consumption by sector							
Industry							
Total		29 777	30 254	31 097	25 785	27 907	26 773
<i>among which:</i>	Solid fuels	1 751	1 702	1 593	1 415	1 599	1 344
	Petroleum Products	6 083	5 758	5 521	5 322	5 550	5 407
	Natural Gas	11 626	12 348	13 286	8 780	10 087	9 350
	Renewables	1 521	1 358	1 370	1 589	1 620	1 498
	Electricity	8 456	8 730	9 031	8 397	8 747	8 879
Transport							
Total		36 589	38 304	39 609	40 763p	42 004p	40 194p
<i>among which:</i>	Motor spirit	8 299	7 928	7 640	7 291	7 020	6 467
	Diesel oil	22 819	24 527	25 795	27 026	28 150	26 804
	Jet fuel	4 506	4 996	5 323	5 569	5 858	5 783
	Electricity	441	450	461	339	249	251
Services & households etc.							
Total		24 029	25 839	26 752	29 506	28 898	28 452
<i>among which:</i>	Solid fuels	82	167	189	244	219	230
	Gas oil	5 639	6 439	6 408	5 222	5 186	4 799
	Natural Gas	3 696	4 024	4 367	6 317	5 551	5 358
	Renewables	2 119	2 156	2 176	2 244	2 271	2 315
	Electricity	10 019	10 654	11 335	13 315	13 552	13 687
	Heat	-	-	-	-	-	-

3.1 Electricity balance

	ESPAÑA					
	2003	2004	2005	2006	2007	2008
	<i>in GWh</i>					
Generation						
Total gross generation	262 860	280 007	294 040	299 460	305 053	313 746
<i>among which:</i>						
Hydro	43 897	34 439	23 023	29 831	30 522	26 112
Wind	12 075	15 601	21 219	23 297	27 568	32 203
Geothermal	-	-	-	-	-	-
Nuclear	61 875	63 606	57 539	60 126	55 103	58 973
Conventional thermal	144 972	166 305	192 218	186 081	191 351	193 880
<i>of which:</i>						
Hard coal	68 817	73 114	74 284	62 238	68 416	48 714
Lignite and peat	5 905	5 991	5 417	4 501	4 379	-
Petroleum products	24 002	23 839	24 420	23 829	18 508	18 002
Natural gas	39 368	55 460	79 011	90 570	94 799	121 561
Derived gases	1 233	1 217	1 066	1 239	1 290	1 259
Biomass	4 265	4 133	3 114	3 050	3 635	4 036
Industrial wastes	1 382	2 551	4 906	654	324	308
Total net generation	252 299	268 743	282 095	287 714	293 237	301 660
Imports and exports						
Total imports	9 520	8 111	10 212	9 093	8 773	5 881
Total exports	8 257	11 139	11 555	12 373	14 524	16 920
Consumption and losses						
Consumption of the energy branch	18 764	19 355	21 082	21 315	20 053	19 968
<i>of which:</i>						
Consumption for pumped-storage	1 835	1 720	2 890	1 320	1 060	1 119
Network losses	22 527	24 070	25 960	14 000	15 000	15 000
Final energy consumption	219 988	230 669	242 222	256 466	262 233	265 363
<i>of which:</i>						
Industry	98 345	101 525	105 036	97 662	101 733	103 258
<i>among which:</i>						
Iron&steel industry	17 157	17 210	18 370	16 799	17 327	17 500
Non-ferrous metals	10 884	11 572	10 271	10 537	11 234	11 346
Chemical industry	12 646	13 172	13 379	13 358	12 684	12 811
Non-met. mineral prod.	12 059	12 256	13 298	12 089	12 578	12 704
Food, drink, tobacco	10 051	10 641	11 512	10 526	11 021	11 131
Pulp, paper and print	7 307	7 663	7 873	7 573	8 134	8 215
Engineering & metal	10 940	11 331	11 737	10 547	10 965	11 074
Other industries	11 332	11 725	12 747	11 711	13 184	13 825
Transport	5 124	5 235	5 363	3 948	2 891	2 920
Services & households etc.	116 519	123 909	131 823	154 856	157 609	159 185
<i>among which:</i>						
Households	54 235	58 046	63 823	70 734	71 328	72 041

3.2 Electrical capacity, fuel inputs and heat

		ESPAÑA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	69 168	69 538	76 514	81 074	87 928	90 194
<i>by source:</i>							
Conventional thermal		37 310	35 477	40 799	43 659	47 412	47 832
<i>of which:</i>							
Steam		27 163	25 828p	29 701p	31 784p	34 516p	34 822p
Gas turbine		2 010	1 912p	2 199p	2 353p	2 555p	2 578p
Combined cycle		5 052	4 803p	5 524p	5 911p	6 420p	6 476p
Internal combustion		3 085	2 934p	3 375p	3 611p	3 921p	3 956p
Nuclear		7 581	7 577	7 577	7 365	7 365	7 365
Hydro		18 043	18 167	18 220	18 314	18 372	18 451
<i>among which:</i>							
Pumped storage		5 361	5 347	5 347	5 347	5 347	5 347
Wind		6 234	8 317	9 918	11 736	14 779	16 546
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		62 425	62 201p	62 947p	74 768p	82 192p	87 044p
Autoproducers		6 481	6 481p	6 481p	6 481p	6 481p	6 481p
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	28 271	31 955	35 381	35 336	36 222	34 411
<i>among which:</i>							
Hard coal		15 444	16 339	16 423	14 224	15 726	10 875
Lignite and peat		1 391	1 561	1 178	1 357	1 021	-
Petroleum products		4 858	4 854	5 249	4 493	4 159	3 804
Natural gas		5 327	7 701	10 798	13 797	13 766	17 946
Renewables		937	1 220	1 391	1 141	1 251	1 525
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	-	-	-	-	-	-
<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

<i>in 1 000 t</i>	ESPAÑA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	322	255	166	139	142	127
Total imports	57 998	59 452	60 243	61 225	59 009	60 517
Total exports	-	-	-	-	-	-
Stock changes	-611	174	-98	-291	-35	-332
Refinery intake	58 203	60 060	60 893	61 945	60 392	61 091
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	29 181	31 366	30 649	31 299	25 511	29 710
Near and Middle East	13 107	16 143	14 716	15 378	13 448	15 624
Africa	21 923	21 036	21 411	18 754	17 154	20 758
<i>by country of origin:</i>						
Algeria	1 502	2 009	2 082	1 512	395	1 627
Irak	1 528	5 150	2 912	3 292	3 254	1 834
Iran	4 264	3 469	4 929	5 189	4 512	6 803
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	7 621	7 179	6 176	5 534	4 898	5 957
Mexico	7 265	7 717	9 006	7 561	7 180	7 710
Nigeria	6 456	6 238	7 127	6 016	4 860	5 045
Norway	2 553	3 494	2 954	1 806	1 721	723
Russia	9 883	8 819	8 548	11 772	12 736	8 811
Saudi Arabia	6 994	6 867	6 331	6 489	5 468	6 397
Syria	321	657	544	408	80	415
United Arab Emirates	-	-	-	-	-	175

4.2 Petroleum products

<i>in 1 000 t</i>	ESPAÑA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	57 640	59 483	60 310	61 350	59 855	60 543
<i>among which:</i>						
Motor spirit	9 059	10 434	10 152	10 038	9 232	8 729
Kerosene and jet fuel	4 793	6 682	6 680	6 811	6 617	6 556
Naphtha	1 917	521	530	417	425	566
Gas/diesel oil	21 631	21 563	23 457	23 844	23 933	24 792
Residual fuel oil	10 130	9 125	9 019	9 245	9 340	9 638
Total imports	23 988	25 441	27 533	27 800	30 632	26 684
Total exports	6 802	7 970	8 258	9 840	10 714	10 231
Bunkers	7 191	7 419	8 142	8 501	8 698	9 012
Stock changes	610	46	-1 020	-492	155	-57
Gross inland consumption	10 605	10 098	10 113	8 967	11 375	7 384
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	766	1 189	1 197	1 305	1 590	1 232
United Kingdom	2 112	2 152	1 648	1 618	2 659	3 003
Russia	1 964	2 287	3 252	2 840	3 049	1 747
Norway	166	233	139	82	363	236
OPEC	4 221	4 006	4 264	6 377	6 178	5 738
Imports by product						
<i>among which:</i>						
Motor spirit	982	748	753	586	765	486
Kerosene and jet fuel	860	943	1 328	2 025	2 254	2 585
Gas/diesel oil	10 800	11 830	13 217	13 605	14 410	12 266
Residual fuel oil	3 499	3 940	4 162	3 558	3 379	3 481
Exports by product						
<i>among which:</i>						
Motor spirit	1 888	2 588	2 866	3 520	3 231	3 312
Kerosene and jet fuel	349	166	120	162	180	143
Gas/diesel oil	747	656	822	950	951	1 003
Residual fuel oil	992	1 431	1 461	2 029	2 904	2 463
Consumption						
Inputs to electricity plants						
Inputs to heating plants	5 041	5 128	5 538	4 647	4 319	4 014
Non-energy use	-	-	-	-	-	-
Final energy consumption	9 045	8 569	8 164	7 776	7 682	7 357
	49 812	51 853	52 613	52 520	53 748	51 152
Industry	6 915	6 586	6 307	6 175	6 390	6 211
<i>among which by product:</i>						
Gas/diesel oil	1 318	1 505	1 700	791	1 157	1 046
Residual fuel oil	1 735	1 085	710	1 456	1 314	1 290

	ESPAÑA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	533	517	490	490	437	403
Non-ferrous metals	151	116	91	87	137	127
Chemical industry	731	674	619	619	606	765
Non-met. mineral prod.	3 165	3 219	3 138	3 265	3 411	3 228
Food, drink, tobacco	661	585	543	443	475	461
Pulp, paper and print	289	215	192	256	264	281
Engineering & metal	458	437	399	368	392	382
Other industries	576	495	484	395	421	332
Transport	35 069	36 741	37 935	39 233	40 330	38 349
<i>among which:</i>						
Motor spirit	7 897	7 544	7 270	6 938	6 680	6 154
Jet fuel	4 387	4 864	5 183	5 422	5 704	5 631
Diesel oil	22 427	24 106	25 352	26 562	27 666	26 343
Services & households etc.	7 828	8 526	8 371	7 112	7 028	6 592
<i>among which:</i>						
Gas oil	5 542	6 328	6 298	5 132	5 097	4 717
Residual fuel oil	474	346	270	319	291	274
Stocks at end of period						
Crude oil and feedstocks	6 770	6 596	6 694	6 985	7 020	7 352
Petroleum products	10 117	10 071	11 091	11 583	11 428	11 485

5. Natural gas

<i>in TJ (GCV)</i>	ESPAÑA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	9 149	14 398	6 694	2 930	727	652
Total imports	984 756	1 145 112	1 407 156	1 472 224	1 465 575	1 641 119
Total exports	-	-	-	-	-	1 899
Stock changes	-565	11 478	-25 505	-22 180	12 273	-15 873
Gross inland consumption	993 340	1 170 988	1 388 345	1 452 974	1 478 575	1 623 999
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	565 396	587 007	609 182	471 929	546 332	558 928
Egypt	-	-	142 389	191 692	169 042	186 572
Libya	30 390	27 959	38 316	28 085	31 533	21 921
Nigeria	166 592	202 713	220 643	302 354	346 793	333 329
Norway	97 848	93 200	89 018	85 547	88 873	110 357
Oman	23 221	53 316	71 379	32 914	13 022	6 895
Qatar	80 414	160 170	195 713	212 971	178 299	206 341
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	247 807	358 255	502 323	641 857	640 403	834 866
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	80 034	82 880	77 310
Distribution losses	6 287	7 368	8 798	5 913	5 533	6 080
Non-energy use	21 914	20 477	22 320	20 511	22 169	19 210
Industry	540 837	574 421	618 073	408 432	469 262	434 947
<i>among which:</i>						
Iron&steel industry	57 588	71 667	52 002	29 772	31 813	30 520
Non-ferrous metals	15 365	18 989	6 786	6 578	6 436	5 896
Chemical industry	87 115	109 789	127 530	122 231	118 620	114 292
Non-met. mineral prod.	166 947	143 590	172 060	130 532	121 676	117 230
Food, drink, tobacco	60 398	59 146	48 726	27 449	25 886	22 330
Pulp, paper and print	60 188	44 584	54 078	30 343	38 121	34 844
Engineering & metal	48 831	49 075	38 688	29 427	33 721	32 440
Other industries	21 595	55 329	90 845	20 106	81 870	66 288
Transport	-	-	-	2 892p	3 171p	3 062p
Services & households etc.	171 937	187 196	203 153	293 849	258 225	249 246
<i>among which:</i>						
Households	136 792	140 062	147 041	169 195	174 683	168 192
Services	15 229	14 221	38 500	108 662	67 597	66 188

6.1 Hard coal

<i>in 1 000 t</i>	ESPAÑA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	12 583	12 334	11 894	11 575	11 002	10 187
Total imports	21 552	24 473	24 756	23 704	24 439	20 967
Total exports	-	-	-	-	974	1 829
Stock changes	751	828	284	-2 697	1 896	-2 912
Gross inland consumption	34 886	37 635	36 934	32 582	36 363	26 413
Imports						
Imports by origin						
<i>among which:</i>						
Australia	3 805	3 263	3 115	3 548	3 714	3 194
Colombia	1 478	972	1 938	1 535	2 308	1 733
Russia	1 926	3 285	4 235	3 609	2 705	2 623
South Africa	8 835	10 195	8 707	8 213	8 772	5 508
USA	1 479	2 007	1 500	1 422	1 362	2 330
Consumption						
Inputs to electricity plants	29 793	31 864	31 678	27 859	30 513	21 358
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	60	60	-	-	-	-
Industry	1 113	1 157	1 240	1 009	1 475	1 214
<i>among which:</i>						
Iron&steel industry	542	649	717	511	769	661
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	262	260	248	198	194	238
Non-met. mineral prod.	209	148	175	200	452	275
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	100	100	100	100	60	40
Services & households etc.	150	270	300	385	345	360

6.2 Coal derivatives and peat

	ESPAÑA					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	2 494	2 839	2 662	2 839	2 742	2 646
Patent Fuel	-	-	-	-	-	-
Lignite and peat	7 979	8 147	7 587	6 872	6 180	-
Brown coal briquettes	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	22 368	21 857	21 110	21 675	21 475	20 742
Blast-furnace gas	17 562	17 845	18 172	16 460	18 169	17 564
Gasworks gas	1 599	1 779	1 931	1 797	1 968	2 043
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	1 409	1 317	1 109	1 095	970	941
<i>among which:</i>						
Iron & steel industry	1 050	1 120	967	973	789	796
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	7 308	7 935	5 483	5 597	6 015	5 838
Blast-furnace gas	7 118	7 350	6 947	6 292	6 771	6 613
Gasworks gas	1 599	1 779	1 931	1 797	1 968	2 043
Inputs to electricity plants	13 703	12 048	14 915	14 156	12 836	11 160
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	10 819	10 836	10 894	11 043	12 957	13 501
Consumption in industry	14 426	15 285	12 430	11 889	12 786	12 451

7. Renewable energy sources

		ESPAÑA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	9 324	8 972	8 709	9 384	10 279	10 717
Hydro (excl. pumping)		3 530	2 713	1 681	2 226	2 342	2 021
Wind		1 038	1 341	1 825	2 003	2 370	2 769
Solar		48	58	65	83	137	352
Geothermal		8	8	8	8	8	8
Biomass		4 700	4 852	5 131	5 064	5 422	5 567
	<i>among which:</i>						
Wood, wood-waste		4 044	4 137	4 176	4 206	4 232	4 339
Municipal solid waste		227	244	379	504	618	656
Biogas		257	295	317	182	190	203
Gross inland consumption		9 324	8 972	8 709	9 384	10 283	10 948
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		937	1 220	1 391	1 141	1 249	1 521
	<i>among which:</i>						
Wood, wood-waste		482	709	732	518	511	690
Municipal waste		227	244	379	504	618	656
Biogas		228	266	280	119	120	176
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	3 813	3 689	3 805	4 004	4 277	4 423
	<i>by sector:</i>						
Industry		1 521	1 358	1 370	1 589	1 620	1 498
Services & households etc.		2 119	2 156	2 176	2 244	2 271	2 315
Transport		172	175	259	172	386	610
	<i>by source:</i>						
Biomass		3 760	3 628	3 736	3 923	4 177	4 286
	<i>among which:</i>						
Wood, wood-waste		3 559	3 424	3 441	3 688	3 721	3 649
Municipal waste		-	-	-	-	-	-
Biogas		29	29	36	63	70	27
Geothermal		8	8	8	8	8	8
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		41	56	41	125	501	2 562
Hydro with installed capacity < 1 MW		647	507	400	457	1 447	674
Hydro with installed capacity > 1 & <10 MW		4 699	4 536	3 577	3 549	1 572	2 357
Hydro with installed capacity > 10 MW		30 540	22 150	16 113	21 556	24 214	20 469
Wood, Wood-waste		2 116	2 214	1 578	1 570	1 553	1 888
Municipal waste		661	583	902	814	1 474	1 564
Biogas		758	825	623	666	608	584

		ESPAÑA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		27	37	37	175	734	3 270
Hydro with installed capacity < 1 MW		244	252	252	254	260	267
Hydro with installed capacity > 1 & <10 MW		1 445	1 536	1 536	1 565	1 577	1 605
Hydro with installed capacity > 10 MW		11 053	11 084	11 084	11 148	11 188	11 232
Wood, Wood-waste		331	344	344	391	396	374
Municipal waste		163	189	189	189	189	189
Biogas		125	141	141	160	165	149
Liquid biofuels							
Production	<i>1000 t</i>	257	228	339	242	522	493
Solar Panels							
Solar panel surface	<i>1000 m²</i>	610	689	797	948	1 198	1 665

1. Energy economy

Key figures and energy indicators

		FRANCE					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	134 225	135 274	135 110	135 297	133 177	135 027
Net energy imports		138 854	141 485	144 346	141 895	137 694	141 472
Net oil imports		95 098	95 089	95 364	93 960	92 574	91 536
Net gas imports		37 535	38 669	40 720	39 469	37 131	39 005
Gross inland energy consumption		271 000	275 563	276 241	273 088	270 336	273 747
Final energy consumption		157 094	158 712	157 972	157 076	154 106	156 262
Industry		39 275	37 839	35 728	35 786	34 983	36 334
Transport		50 524	50 918	50 444	50 861	51 494	50 470
Services and households etc.		67 295	69 956	71 801	70 428	67 629	69 458
Gross electricity generation	<i>GWh</i>	566 944	574 274	576 165	574 558	569 841	576 034
Final electricity consumption		408 249	420 022	422 597	426 735	425 881	433 324
Socio-economic statistics							
Population	<i>1000 per.</i>	61 864	62 292	62 773	63 229	63 623	63 983
Total imports (current prices)	<i>Mio EUR</i>	391 583	425 122	464 642	506 546	537 646	563 819
among which:							
All energy commodities		31 081	37 813	51 894	60 771	60 473	79 497
Oil products		22 726	28 285	40 203	45 963	45 951	58 954
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	4 381	4 424	4 401	4 319	4 249	4 278
Final energy consumption / capita		2 539	2 548	2 517	2 484	2 422	2 442
Household consumption / capita		683	710	692	677	625	667
Final electricity consumption / capita	<i>kWh/cap.</i>	6 599	6 743	6 732	6 749	6 694	6 772
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	50.7	50.8	51.7	51.4	50.4	51.2
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	58.0	57.6	57.2	57.5	57.0	57.1
Efficiency of thermal power stations		35.7	35.5	34.5	33.6	33.8	34.5

2. Energy balance

Principal aggregates by product

	FRANCE					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	134 225	135 274	135 110	135 297	133 177	135 027
<i>among which:</i> Hard coal	1 037	99	-	-	-	-
Lignite and peat	4	-	-	-	-	-
Crude oil	1 431	1 388	1 248	1 119	1 031	1 029
Natural Gas	1 282	1 108	909	1 059	915	811
Nuclear heat	113 776	115 625	116 474	116 128	113 430	113 362
Hydro-electricity	5 133	5 193	4 496	4 872	5 048	5 524
Biomass	11 382	11 660	11 749	11 757	12 260	13 651
Imports						
Total	169 153	173 450	179 403	177 286	171 291	178 038
<i>among which:</i> Hard coal	11 214	12 806	12 993	13 346	12 408	14 514
Crude oil and feedstocks	87 038	86 600	85 605	83 452	82 681	84 919
Petroleum products	30 765	32 605	37 346	38 441	36 206	36 186
Natural Gas	38 436	39 928	41 624	40 148	37 909	40 101
Electricity	598	565	693	733	927	919
Exports						
Total	30 299	31 964	35 058	35 391	33 597	36 566
<i>among which:</i> Crude oil and feedstocks	63	102	76	33	20	60
Petroleum products	22 643	24 014	27 511	27 899	26 292	29 509
Natural gas	901	1 259	903	679	778	1 096
Electricity	6 309	5 888	5 880	6 179	5 812	5 046
Gross inland consumption						
Total	271 000	275 563	276 241	273 088	270 336	273 747
<i>among which:</i> Solid fuels	13 933	13 902	14 296	13 243	13 609	13 448
Crude oil and petrol. prod.	93 030	94 219	93 158	92 543	91 585	91 015
Natural gas	39 318	40 148	41 077	39 624	38 482	39 885
Nuclear Energy	113 776	115 625	116 474	116 128	113 430	113 362
Renewables	16 654	16 991	16 424	16 996	18 114	20 164
Transformation input						
Total	224 226	227 031	227 782	226 767	223 721	225 418
<i>among which:</i> Crude oil and feedstocks	89 880	90 717	88 526	89 037	88 321	90 796
Natural gas	4 802	4 932	5 463	5 531	5 627	5 603
Petroleum products	1 257	1 266	2 055	1 766	1 470	1 421
Hard coal	10 132	9 971	10 685	9 643	10 119	9 648
Lignite and peat	-	-	-	-	-	-
Renewables	2 057	2 201	2 241	2 203	2 311	2 402
Transformation output						
Total	137 860	139 114	137 697	137 919	136 090	138 386
<i>among which:</i> Electricity	43 136	43 687	44 557	43 888	43 129	43 018
Heat	-	-	-	-	-	-

		FRANCE					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		157 094	158 712	157 972	157 076	154 106	156 262
<i>among which:</i>	Solid fuels	4 917	4 879	5 148	5 285	5 413	5 266
	Petroleum products	74 486	74 398	73 140	72 671	70 536	69 495
	Natural Gas	32 160	32 758	32 753	31 709	30 185	31 645
	Renewables	9 429	9 545	9 604	9 732	10 405	11 746
	Electricity	35 103	36 115	36 337	36 693	36 619	37 259
Final energy consumption by sector							
Industry							
Total		39 275	37 839	35 728	35 786	34 983	36 334
<i>among which:</i>	Solid fuels	4 498	4 471	4 782	4 928	5 066	4 867
	Petroleum Products	7 291	6 833	6 587	7 381	6 740	6 256
	Natural Gas	13 386	12 149	9 716	9 268	8 942	10 230
	Renewables	1 593	1 623	1 653	1 678	1 885	1 988
	Electricity	11 508	11 744	11 999	11 545	11 401	12 142
Transport							
Total		50 524	50 918	50 444	50 861	51 494	50 470
<i>among which:</i>	Motor spirit	12 671	12 038	11 274	10 550	9 783	8 710
	Diesel oil	29 782	30 475	30 718	31 272	31 752	30 849
	Jet fuel	6 490	6 785	6 794	7 052	7 243	7 294
	Electricity	1 037	1 067	1 051	1 063	1 070	1 142
Services & households etc.							
Total		67 295	69 956	71 801	70 428	67 629	69 458
<i>among which:</i>	Solid fuels	420	408	366	357	347	399
	Gas oil	14 953	14 954	14 709	13 483	12 086	13 341
	Natural Gas	18 736	20 566	22 990	22 379	21 181	21 353
	Renewables	7 511	7 577	7 544	7 335	7 065	7 467
	Electricity	22 558	23 304	23 287	24 085	24 148	23 976
	Heat	-	-	-	-	-	-

3.1 Electricity balance

	FRANCE					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	566 944	574 274	576 165	574 558	569 841	576 034
<i>among which:</i>						
Hydro	64 872	65 588	56 991	61 940	64 181	68 838
Wind	391	596	963	2 189	4 052	5 689
Geothermal	-	-	-	-	-	-
Nuclear	441 070	448 241	451 529	450 191	439 730	439 468
Conventional thermal	60 604	59 841	66 672	60 226	61 861	61 998
<i>of which:</i>						
Hard coal	26 260	24 372	27 515	22 889	24 446	24 447
Lignite and peat	-	-	-	-	-	-
Petroleum products	7 096	6 528	7 925	7 133	6 163	5 892
Natural gas	19 368	21 049	23 069	21 760	21 987	21 915
Derived gases	3 006	2 863	3 190	3 515	3 751	3 853
Biomass	4 874	5 029	4 973	4 929	5 514	5 889
Industrial wastes	-	-	-	-	-	2
Total net generation	542 311	549 540	550 141	548 875	544 433	550 513
Imports and exports						
Total imports	6 959	6 571	8 062	8 522	10 782	10 683
Total exports	73 373	68 477	68 390	71 863	67 595	58 689
Consumption and losses						
Consumption of the energy branch	55 359	55 429	56 300	47 397	50 060	56 022
<i>of which:</i>						
Consumption for pumped-storage	2 127	2 133	1 935	2 171	2 251	1 890
Network losses	31 749	31 735	32 232	31 804	31 612	32 916
Final energy consumption	408 249	420 022	422 597	426 735	425 881	433 324
<i>of which:</i>						
Industry	133 840	136 588	139 547	134 264	132 599	141 206
<i>among which:</i>						
Iron&steel industry	15 561	16 362	15 611	15 924	15 861	12 177
Non-ferrous metals	9 919	10 197	9 833	9 548	9 287	10 615
Chemical industry	23 566	24 035	24 932	24 720	24 844	26 169
Non-met. mineral prod.	8 582	9 013	8 832	9 005	8 918	11 522
Food, drink, tobacco	19 595	19 259	19 748	20 100	20 294	21 764
Pulp, paper and print	13 288	13 368	13 490	13 076	12 822	11 761
Engineering & metal	22 197	22 218	20 181	21 547	21 453	27 325
Other industries	16 522	17 609	22 700	16 322	15 191	17 406
Transport	12 055	12 409	12 221	12 365	12 446	13 279
Services & households etc.	262 354	271 025	270 829	280 106	280 836	278 839
<i>among which:</i>						
Households	141 554	147 088	144 548	147 104	145 755	155 608

3.2 Electrical capacity, fuel inputs and heat

		FRANCE					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	116 514	116 724	115 540	115 469	116 284	117 618
<i>by source:</i>							
Conventional thermal		27 715	27 898	26 447	25 672	25 672	25 648
<i>of which:</i>							
Steam		:	:	:	:	:	:
Gas turbine		:	:	:	:	:	:
Combined cycle		-	-	-	-	-	-
Internal combustion		:	:	:	:	:	:
Nuclear		63 363	63 363	63 260	63 260	63 260	63 260
Hydro		25 214	25 100	25 110	25 125	25 132	25 288
<i>among which:</i>							
Pumped storage		4 303	4 303	4 303	4 303	4 303	4 303
Wind		222	363	723	1 412	2 220	3 422
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		110 861	111 302	109 028	108 985	109 764	111 030
Autoproducers		5 902	5 673	6 765	6 739	6 784	6 905
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	14 616	14 490	16 617	15 402	15 741	15 182
<i>among which:</i>							
Hard coal		6 047	5 672	6 404	5 349	5 777	5 280
Lignite and peat		-	-	-	-	-	-
Petroleum products		1 197	1 184	1 954	1 675	1 375	1 306
Natural gas		4 802	4 932	5 463	5 531	5 627	5 603
Renewables		1 762	1 906	1 969	1 964	2 077	2 168
Heating plants		296	295	271	239	234	234
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		296	295	271	239	234	234
Heat production and consumption							
Total heat production	1 000 toe	-	-	-	-	-	-
<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

<i>in 1 000 t</i>	FRANCE					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	1 405	1 364	1 227	1 100	1 013	1 010
Total imports	85 465	85 129	84 175	82 049	81 244	83 364
Total exports	62	100	75	33	20	59
Stock changes	-1 152	19	189	167	208	65
Refinery intake	88 263	89 182	87 050	87 550	86 797	89 150
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	34 947	34 895	33 972	34 180	28 750	31 933
Near and Middle East	18 962	21 504	19 949	21 165	18 728	16 825
Africa	18 706	16 589	19 046	17 365	18 188	24 226
<i>by country of origin:</i>						
Algeria	5 879	6 018	5 360	3 492	2 128	3 731
Irak	800	1 521	1 441	3 488	2 954	2 939
Iran	5 821	6 374	6 857	6 729	6 586	4 490
Kazakhstan	4 003	6 087	8 550	8 060	9 431	9 150
Kuwait	2 113	1 687	2 413	1 573	1 729	1 565
Libya	3 623	4 098	4 498	4 221	5 194	6 822
Mexico	155	65	-	-	-	29
Nigeria	5 323	2 645	2 848	4 047	2 219	4 376
Norway	16 189	15 599	16 095	13 365	12 478	12 670
Russia	12 935	12 697	9 594	9 764	10 586	11 319
Saudi Arabia	11 245	12 552	10 312	8 681	6 860	7 499
Syria	1 096	1 057	1 218	869	1 216	1 386
United Arab Emirates	-	-	121	1 373	1 034	483

4.2 Petroleum products

<i>in 1 000 t</i>	FRANCE					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	87 523	88 406	86 293	86 928	86 060	88 475
<i>among which:</i>						
Motor spirit	16 872	16 936	16 315	17 313	16 525	16 412
Kerosene and jet fuel	5 245	5 692	5 553	5 754	5 613	5 645
Naphtha	6 000	5 682	5 384	5 036	5 033	5 408
Gas/diesel oil	34 979	34 421	33 590	33 733	34 392	35 693
Residual fuel oil	10 919	11 887	11 823	11 955	11 441	11 415
Total imports	30 550	32 500	37 135	38 234	36 009	36 056
Total exports	22 477	23 858	27 252	27 542	26 029	29 097
Bunkers	2 745	3 103	2 837	2 940	3 015	2 634
Stock changes	68	309	-1 124	-114	228	366
Gross inland consumption	5 486	5 950	6 009	7 739	7 258	4 751
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	1 549	2 557	2 996	3 434	2 792	3 042
United Kingdom	3 202	2 584	3 015	2 422	2 864	2 689
Russia	4 624	5 751	7 189	8 111	8 008	7 331
Norway	348	428	653	419	454	629
OPEC	3 542	3 226	4 377	4 740	4 616	4 099
Imports by product						
<i>among which:</i>						
Motor spirit	963	200	1 264	1 972	664	735
Kerosene and jet fuel	2 643	2 694	3 198	3 252	3 611	3 822
Gas/diesel oil	16 778	16 865	19 830	16 873	14 597	15 582
Residual fuel oil	2 364	3 767	3 860	5 480	5 764	6 335
Exports by product						
<i>among which:</i>						
Motor spirit	6 424	7 174	7 743	8 337	6 471	8 654
Kerosene and jet fuel	894	902	1 287	1 466	1 461	1 309
Gas/diesel oil	2 106	1 746	3 642	3 437	3 422	3 565
Residual fuel oil	7 084	7 998	7 914	7 384	7 728	7 526
Consumption						
Inputs to electricity plants						
Inputs to heating plants	1 280	1 273	2 069	1 778	1 456	1 374
Non-energy use	-	-	-	-	-	-
Final energy consumption	12 289	12 669	12 531	12 706	13 322	11 986
	72 883	72 841	71 625	71 194	69 075	68 061
Industry	7 443	7 036	6 786	7 556	6 887	6 380
<i>among which by product:</i>						
Gas/diesel oil	1 749	1 705	1 590	1 621	1 322	1 329
Residual fuel oil	1 691	1 628	1 447	1 392	1 333	1 103

	FRANCE					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	28	17	14	47	43	35
Non-ferrous metals	64	65	71	67	59	54
Chemical industry	2 613	2 267	2 395	3 029	2 943	2 682
Non-met. mineral prod.	1 578	1 680	1 577	1 594	1 437	1 338
Food, drink, tobacco	670	618	480	486	475	389
Pulp, paper and print	202	185	136	116	116	99
Engineering & metal	262	263	261	254	209	195
Other industries	1 859	1 771	1 686	1 803	1 465	1 440
Transport	47 812	48 163	47 672	47 770	47 685	45 820
<i>among which:</i>						
Motor spirit	12 057	11 455	10 728	10 039	9 309	8 288
Jet fuel	6 319	6 606	6 615	6 866	7 052	7 102
Diesel oil	29 270	29 951	30 190	30 735	31 206	30 319
Services & households etc.	17 628	17 642	17 167	15 868	14 503	15 861
<i>among which:</i>						
Gas oil	14 696	14 697	14 456	13 251	11 878	13 112
Residual fuel oil	664	549	434	500	478	588
Stocks at end of period						
Crude oil and feedstocks	10 035	10 016	9 827	9 660	9 452	9 387
Petroleum products	14 126	13 817	14 941	15 055	14 827	14 461

5. Natural gas

<i>in TJ (GCV)</i>	FRANCE					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	59 621	51 530	42 275	49 242	42 586	37 724
Total imports	1 788 025	1 857 438	1 936 328	1 867 698	1 763 524	1 865 485
Total exports	41 904	58 546	42 020	31 598	36 192	50 991
Stock changes	23 331	17 279	-25 692	-42 032	20 287	3 240
Gross inland consumption	1 829 073	1 867 701	1 910 891	1 843 310	1 790 205	1 855 458
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	391 146	232 641	309 486	293 945	312 356	303 286
Egypt	-	-	60 030	90 828	45 959	40 383
Libya	-	-	-	-	-	-
Nigeria	147 185	150 952	146 596	170 787	126 113	96 678
Norway	512 080	502 480	447 040	529 322	551 378	590 440
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	412 639	384 910	378 093	292 239	238 022	270 682
Consumption						
Inputs to electricity plants	223 388	229 456	254 133	257 285	261 782	260 643
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	1 254	2 473	7 075	8 028	11 957	26 280
Distribution losses	20 056	30 198	31 997	27 284	27 284	23 083
Non-energy use	82 847	79 704	83 841	75 600	84 600	74 987
Industry	622 732	565 174	452 010	431 140	415 999	475 904
<i>among which:</i>						
Iron&steel industry	27 450	28 912	37 116	38 935	37 397	30 764
Non-ferrous metals	12 006	12 549	13 395	12 953	11 443	11 315
Chemical industry	141 355	105 319	94 493	64 612	73 400	83 179
Non-met. mineral prod.	91 446	86 078	80 206	80 078	73 235	78 101
Food, drink, tobacco	117 202	111 582	74 697	75 605	82 235	88 730
Pulp, paper and print	66 581	57 724	44 100	59 333	38 014	39 499
Engineering & metal	76 604	76 874	69 399	66 984	66 617	44 014
Other industries	22 427	25 662	23 156	15 745	21 240	88 655
Transport	1 764	1 980	2 178	2 880	2 880	2 880
Services & households etc.	871 592	956 750	1 069 492	1 041 092	985 344	993 324
<i>among which:</i>						
Households	611 942	686 824	672 311	679 845	601 988	651 424
Services	245 718	254 731	383 537	348 891	372 057	331 187

6.1 Hard coal

<i>in 1 000 t</i>	FRANCE					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	1 730	160	-	-	-	-
Total imports	16 768	19 460	19 851	20 391	18 958	21 285
Total exports	83	94	295	140	213	186
Stock changes	2 023	315	969	-1 632	1 345	-2 254
Gross inland consumption	20 942	20 553	21 142	19 071	20 512	19 122
Imports						
Imports by origin						
<i>among which:</i>						
Australia	4 527	6 015	5 337	5 725	6 082	6 319
Colombia	2 331	2 852	2 506	2 250	1 805	1 956
Russia	325	764	905	1 124	1 111	1 826
South Africa	4 029	3 945	4 225	4 239	3 971	3 317
USA	2 109	2 210	1 906	2 000	1 862	4 072
Consumption						
Inputs to electricity plants	9 738	9 133	10 313	8 614	9 302	8 502
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	25	1	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	2 439	2 534	2 936	3 218	3 140	2 667
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	441	457	618	391	464	553
Non-met. mineral prod.	294	248	270	314	498	441
Food, drink, tobacco	429	560	669	711	787	634
Pulp, paper and print	199	204	188	145	89	66
Engineering & metal	4	1	-	-	-	-
Other industries	1	-	86	116	143	205
Services & households etc.	545	539	480	480	480	480

6.2 Coal derivatives and peat

		FRANCE					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		4 601	4 542	4 445	4 689	4 465	4 488
Patent Fuel		41	35	31	25	16	16
Lignite and peat		9	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		35 169	32 831	32 288	32 932	34 227	34 021
Blast-furnace gas		63 350	63 734	63 350	65 992	62 056	56 972
Gasworks gas		-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		3 133	2 912	2 668	2 756	2 740	2 945
	<i>among which:</i>						
Iron & steel industry		2 830	2 567	2 372	2 483	2 466	2 637
Services & households etc.		29	21	14	4	-	-
Patent Fuel		83	77	77	73	64	132
	<i>among which:</i>						
Services & households etc.		83	77	77	73	64	132
Lignite and peat		51	40	36	37	51	67
	<i>among which:</i>						
Industry		51	40	36	37	51	67
Services & households etc.		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
	<i>among which:</i>						
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		18 365	17 743	17 506	18 181	18 318	16 486
Blast-furnace gas		25 303	26 662	25 721	24 927	23 171	20 767
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		34 572	34 158	35 403	37 846	37 999	35 612
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		17 912	19 137	18 703	18 261	18 761	18 509
Consumption in industry		43 668	44 405	43 227	43 108	41 489	37 253

7. Renewable energy sources

		FRANCE					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	16 696	17 054	16 479	16 960	17 801	19 825
Hydro (excl. pumping)		5 133	5 193	4 496	4 872	5 048	5 524
Wind		34	51	83	188	348	489
Solar		18	19	22	29	37	47
Geothermal		129	130	130	114	109	114
Biomass		11 382	11 660	11 749	11 757	12 260	13 651
	<i>among which:</i>						
Wood, wood-waste		8 571	8 635	8 672	8 500	8 427	8 919
Municipal solid waste		2 142	2 304	2 278	2 199	2 272	2 328
Biogas		303	314	335	373	419	452
Gross inland consumption		16 654	16 991	16 424	16 996	18 114	20 164
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		2 057	2 201	2 241	2 203	2 311	2 402
	<i>among which:</i>						
Wood, wood-waste		177	180	213	213	228	240
Municipal waste		1 665	1 795	1 779	1 702	1 750	1 791
Biogas		215	226	249	288	333	371
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	9 429	9 545	9 604	9 732	10 405	11 746
	<i>by sector:</i>						
Industry		1 593	1 623	1 653	1 678	1 885	1 988
Services & households etc.		7 511	7 577	7 544	7 335	7 065	7 467
Transport		325	345	408	719	1 455	2 291
	<i>by source:</i>						
Biomass		9 283	9 396	9 453	9 590	10 261	11 588
	<i>among which:</i>						
Wood, wood-waste		8 394	8 455	8 459	8 287	8 198	8 679
Municipal waste		476	509	500	498	522	537
Biogas		88	88	86	86	86	81
Geothermal		129	130	130	114	109	114
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		7	8	10	12	17	41
Hydro with installed capacity < 1 MW		1 304	1 422	1 340	1 337	1 410	1 582
Hydro with installed capacity > 1 & <10 MW		5 077	5 288	4 559	4 760	4 811	5 342
Hydro with installed capacity > 10 MW		52 779	53 109	45 851	50 043	51 966	56 802
Wood, Wood-waste		1 133	1 128	1 257	1 250	1 390	1 433
Municipal waste		3 294	3 434	3 310	3 228	3 506	3 775
Biogas		447	467	506	551	638	683

	FRANCE						
	2003	2004	2005	2006	2007	2008	
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		11	14	16	23	24	77
Hydro with installed capacity < 1 MW		427	433	433	432	436	445
Hydro with installed capacity > 1 & <10 MW		1 596	1 609	1 603	1 620	1 624	1 604
Hydro with installed capacity > 10 MW		18 888	18 756	18 770	18 770	18 769	18 823
Wood, Wood-waste		217	229	228	232	297	265
Municipal waste		586	670	668	732	735	827
Biogas		-	-	74	89	95	120
Liquid biofuels							
Production	<i>1000 t</i>	452	474	546	824	1 390	2 352
Solar Panels							
Solar panel surface	<i>1000 m²</i>	515	534	593	768	979	1 158

1. Energy economy

Key figures and energy indicators

		ITALIA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	27 274	28 073	27 665	27 053	25 899	26 447
Net energy imports		156 360	159 548	160 955	164 570	160 295	157 064
Net oil imports		85 641	82 914	79 901	80 105	77 577	73 521
Net gas imports		51 116	55 293	59 840	63 088	60 510	62 782
Gross inland energy consumption		184 186	186 156	188 476	187 083	185 342	181 373
Final energy consumption		131 050	134 880	136 748	135 394	133 867	128 185
Industry		40 721	42 234	41 855	41 362	42 193	36 551
Transport		44 247	45 111	44 758	45 336	45 659	43 867
Services and households etc.		46 083	47 535	50 136	48 695	46 016	47 767
Gross electricity generation	GWh	293 884	303 322	303 699	314 122	313 887	319 129
Final electricity consumption		290 964	295 042	300 376	308 265	308 830	308 831
Socio-economic statistics							
Population	1000 per.	57 321	57 888	58 462	58 752	59 131	59 619
Total imports (current prices)	Mio EUR	320 512	342 791	371 908	424 216	451 816	461 185
among which:							
All energy commodities		23 600	27 090	36 672	42 820	44 242	53 877
Oil products		20 060	22 870	31 799	37 834	39 260	47 695
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	3 213	3 216	3 224	3 184	3 134	3 042
Final energy consumption / capita		2 286	2 330	2 339	2 305	2 264	2 150
Household consumption / capita		523	537	548	512	472	459
Final electricity consumption / capita	kWh/cap.	5 076	5 097	5 138	5 247	5 223	5 180
Energy dependency							
Net energy imports / Gross consumption	in %	83.9	84.7	84.4	86.9	85.4	85.4
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	71.2	72.5	72.6	72.4	72.2	70.7
Efficiency of thermal power stations		39.9	48.5	49.4	50.5	51.8	48.8

2. Energy balance

Principal aggregates by product

<i>in 1 000 toe</i>	ITALIA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	27 274	28 073	27 665	27 053	25 899	26 447
<i>among which:</i> Hard coal	159	62	60	13	100	74
Lignite and peat	-	-	-	-	-	-
Crude oil	5 653	5 521	6 191	5 850	5 948	5 302
Natural Gas	11 372	10 615	9 886	8 992	7 949	7 580
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	3 176	3 671	3 101	3 181	2 822	3 579
Biomass	1 962	3 136	3 404	3 758	3 675	4 451
Imports						
Total	180 977	185 998	191 251	193 350	192 479	187 474
<i>among which:</i> Hard coal	13 634	16 196	15 943	16 271	16 506	16 576
Crude oil and feedstocks	93 176	94 656	96 682	94 907	97 464	91 179
Petroleum products	16 613	14 149	12 939	13 386	11 866	12 025
Natural Gas	51 429	55 617	60 164	63 390	60 565	62 954
Electricity	4 427	3 992	4 322	4 007	4 207	3 735
Exports						
Total	24 617	26 450	30 296	28 781	32 185	30 410
<i>among which:</i> Crude oil and feedstocks	1 130	1 436	1 629	1 731	2 047	2 178
Petroleum products	23 017	24 457	28 092	26 457	29 706	27 504
Natural gas	312	324	324	302	56	172
Electricity	45	68	95	139	228	292
Gross inland consumption						
Total	184 186	186 156	188 476	187 083	185 342	181 373
<i>among which:</i> Solid fuels	14 923	16 583	16 476	16 669	16 786	16 282
Crude oil and petrol. prod.	90 062	86 947	84 856	84 133	81 441	77 825
Natural gas	63 621	66 019	70 651	69 192	69 531	69 519
Nuclear Energy	-	-	-	-	-	-
Renewables	10 714	12 521	12 149	13 097	13 479	14 192
Transformation input						
Total	158 325	159 310	161 954	163 074	163 560	158 556
<i>among which:</i> Crude oil and feedstocks	100 292	100 932	102 905	102 203	103 779	96 753
Natural gas	21 087	23 988	26 897	27 499	28 086	30 975
Petroleum products	16 362	11 604	9 227	9 263	6 853	6 741
Hard coal	12 523	14 018	13 746	14 420	15 148	14 495
Lignite and peat	1	-	-	-	-	-
Renewables	5 631	6 674	6 793	7 183	7 352	7 349
Transformation output						
Total	124 438	129 614	133 209	133 229	134 995	127 250
<i>among which:</i> Electricity	21 332	21 626	22 215	23 017	23 330	22 945
Heat	-	4 528	4 611	4 989	4 882	4 738

in 1 000 toe	ITALIA					
	2003	2004	2005	2006	2007	2008
Final energy consumption						
Total	131 050	134 880	136 748	135 394	133 867	128 185
<i>among which:</i> Solid fuels	3 836	4 146	4 220	4 163	3 663	3 286
Petroleum products	59 369	59 979	59 527	59 101	58 930	55 653
Natural Gas	40 963	40 267	41 960	39 953	39 414	36 626
Renewables	1 780	2 014	2 050	2 475	2 165	2 830
Electricity	25 018	25 369	25 828	26 506	26 555	26 555
Final energy consumption by sector						
Industry						
Total	40 721	42 234	41 855	41 362	42 193	36 551
<i>among which:</i> Solid fuels	3 819	4 138	4 213	4 156	3 657	3 282
Petroleum Products	7 235	7 079	6 927	6 648	7 203	6 454
Natural Gas	16 963	15 535	15 136	14 737	15 695	11 301
Renewables	206	203	198	198	167	243
Electricity	12 413	12 399	12 447	12 671	12 568	12 179
Transport						
Total	44 247	45 111	44 758	45 336	45 659	43 867
<i>among which:</i> Motor spirit	16 198	15 216	14 153	13 291	12 412	11 370
Diesel oil	21 437	23 138	23 793	24 946	25 851	24 465
Jet fuel	3 581	3 551	3 700	3 964	4 212	4 065
Electricity	773	784	809	835	853	890
Services & households etc.						
Total	46 083	47 535	50 136	48 695	46 016	47 767
<i>among which:</i> Solid fuels	16	8	7	7	6	4
Gas oil	6 227	6 491	6 444	6 062	5 245	5 173
Natural Gas	23 636	24 376	26 445	24 803	23 235	24 775
Renewables	1 574	1 556	1 673	2 116	1 857	1 863
Electricity	11 832	12 187	12 571	13 001	13 134	13 485
Heat	-	226	230	243	238	145

3.1 Electricity balance

	ITALIA					
	2003	2004	2005	2006	2007	2008
	<i>in GWh</i>					
Generation						
Total gross generation	293 884	303 322	303 699	314 122	313 887	319 129
<i>among which:</i>						
Hydro	44 277	49 908	42 927	43 425	38 482	47 227
Wind	1 458	1 847	2 344	2 971	4 034	4 861
Geothermal	5 341	5 437	5 324	5 527	5 569	5 520
Nuclear	-	-	-	-	-	-
Conventional thermal	242 784	246 101	253 073	262 164	265 763	261 328
<i>of which:</i>						
Hard coal	38 813	45 518	43 606	44 208	44 112	43 073
Lignite and peat	-	-	-	-	-	-
Petroleum products	75 986	58 889	47 124	45 875	35 409	31 459
Natural gas	117 300	129 772	149 259	158 079	172 646	172 697
Derived gases	5 304	5 359	5 813	6 230	5 623	5 518
Biomass	3 456	5 359	5 985	6 565	6 770	7 522
Industrial wastes	1 925	1 204	1 286	1 207	1 203	1 059
Total net generation	280 202	290 022	290 635	301 259	301 298	307 063
Imports and exports						
Total imports	51 486	46 426	50 264	46 596	48 931	43 433
Total exports	518	791	1 109	1 611	2 648	3 398
Consumption and losses						
Consumption of the energy branch	25 654	25 835	24 992	24 485	24 701	24 284
<i>of which:</i>						
Consumption for pumped-storage	3 148	3 090	2 459	2 321	1 988	2 014
Network losses	20 870	20 868	20 626	19 926	20 976	20 444
Final energy consumption	290 964	295 042	300 376	308 265	308 830	308 831
<i>of which:</i>						
Industry	144 368	144 197	144 763	147 362	146 170	141 646
<i>among which:</i>						
Iron&steel industry	19 887	20 045	20 395	21 688	21 676	21 625
Non-ferrous metals	5 464	5 538	5 635	5 753	5 553	5 598
Chemical industry	20 110	19 431	19 015	18 838	18 192	17 525
Non-met. mineral prod.	14 543	14 606	14 678	14 943	14 790	13 973
Food, drink, tobacco	12 535	12 702	13 004	12 843	12 855	12 826
Pulp, paper and print	10 787	10 807	10 939	10 879	10 649	10 279
Engineering & metal	26 736	27 275	27 786	28 502	28 281	27 386
Other industries	22 709	22 906	23 127	23 893	24 699	23 839
Transport	8 992	9 113	9 414	9 707	9 916	10 353
Services & households etc.	137 604	141 732	146 199	151 196	152 744	156 832
<i>among which:</i>						
Households	65 016	66 592	66 960	67 635	67 220	68 389

3.2 Electrical capacity, fuel inputs and heat

		ITALIA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	78 102	81 306	85 231	89 137	93 198	97 878
<i>by source:</i>							
Conventional thermal		55 861	58 792	61 932	65 492	68 708	72 407
<i>of which:</i>							
Steam		36 754	34 553	32 038	31 433	30 187	29 611
Gas turbine		5 101	3 931	3 953	3 968	3 999	4 050
Combined cycle		13 051	19 276	24 837	28 895	33 238	37 337
Internal combustion		955	1 032	1 104	1 195	1 283	1 409
Nuclear		-	-	-	-	-	-
Hydro		20 660	20 745	20 993	21 072	21 117	21 275
<i>among which:</i>							
Pumped storage		6 957	6 955	7 103	7 544	7 544	7 544
Wind		874	1 127	1 635	1 902	2 702	3 525
Geothermal		707	642	671	671	671	671
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		78 313	76 540	80 658	84 636	88 901	93 056
Autoproducers		-	4 773	4 840	4 851	4 698	5 569
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	53 517	53 951	54 276	55 504	54 433	56 707
<i>among which:</i>							
Hard coal		8 874	10 448	10 001	10 122	10 772	10 318
Lignite and peat		1	-	-	-	-	-
Petroleum products		16 362	11 604	9 227	9 263	6 853	6 741
Natural gas		21 087	23 988	26 897	27 499	28 086	30 975
Renewables		5 631	6 674	6 793	7 183	7 352	7 349
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	-	4 528	4 611	4 989	4 882	4 738
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		-	3 027	3 082	3 129	3 072	3 174
<i>of which: in industry</i>							
		-	2 801	2 852	2 886	2 834	3 029
<i>in households and services</i>							
		-	226	230	243	238	145
<i>among which: in households</i>							
		-	156	159	144	133	43

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	ITALIA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	5 570	5 445	6 111	5 769	5 860	5 220
Total imports	91 807	93 354	95 424	93 588	96 023	89 774
Total exports	1 113	1 415	1 606	1 706	2 017	2 145
Stock changes	-484	-133	-95	311	16	449
Refinery intake	98 819	99 542	101 564	100 781	102 245	95 262
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	51 278	52 689	56 171	55 154	54 275	52 047
Near and Middle East	26 931	27 778	30 562	27 915	27 843	26 381
Africa	31 522	32 291	30 537	33 147	32 078	31 854
<i>by country of origin:</i>						
Algeria	3 466	4 137	2 967	2 694	750	770
Irak	3 456	3 712	5 855	6 801	8 456	8 869
Iran	9 913	9 556	9 559	9 648	9 579	7 991
Kazakhstan	572	1 157	3 023	2 131	1 823	1 232
Kuwait	-	-	273	62	41	-
Libya	21 948	22 035	23 344	23 790	25 829	24 532
Mexico	-	-	86	-	-	22
Nigeria	1 717	1 443	1 551	1 915	1 600	2 008
Norway	4 692	3 337	3 314	3 817	2 868	2 522
Russia	17 508	19 892	18 440	13 956	16 539	12 329
Saudi Arabia	10 564	11 768	12 586	10 173	7 987	7 839
Syria	2 998	2 650	2 562	1 293	1 753	1 682
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	ITALIA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	97 840	98 140	100 598	99 199	100 704	93 736
<i>among which:</i>						
Motor spirit	20 705	20 674	21 195	20 983	21 432	20 068
Kerosene and jet fuel	4 517	4 041	3 943	4 111	4 224	3 901
Naphtha	3 615	3 048	3 117	2 982	2 545	2 836
Gas/diesel oil	38 389	39 536	39 844	39 805	41 079	39 082
Residual fuel oil	18 018	17 543	19 032	17 621	17 357	14 645
Total imports	17 568	14 868	13 511	14 078	12 432	12 562
Total exports	22 713	24 146	27 786	26 169	29 322	27 088
Bunkers	2 171	2 278	2 335	2 428	2 507	2 628
Stock changes	779	342	845	-441	-595	220
Gross inland consumption	-6 337	-11 004	-15 691	-14 890	-19 874	-16 818
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	149	143	96	268	146	97
United Kingdom	1 384	724	558	339	361	276
Russia	385	404	777	891	764	567
Norway	231	10	101	66	33	11
OPEC	7 589	6 657	5 542	4 975	4 544	4 081
Imports by product						
<i>among which:</i>						
Motor spirit	430	339	322	193	258	157
Kerosene and jet fuel	204	493	795	608	733	795
Gas/diesel oil	724	1 011	1 524	1 602	1 309	1 838
Residual fuel oil	9 873	5 625	3 625	4 029	2 322	2 434
Exports by product						
<i>among which:</i>						
Motor spirit	5 197	5 751	7 507	7 756	9 444	9 161
Kerosene and jet fuel	761	536	702	370	423	214
Gas/diesel oil	9 611	9 545	9 572	8 952	10 179	9 978
Residual fuel oil	3 372	3 740	5 452	4 676	4 878	3 513
Consumption						
Inputs to electricity plants						
Inputs to heating plants	17 072	12 105	9 614	9 655	7 125	6 956
Non-energy use	-	-	-	-	-	-
Final energy consumption	7 892	8 343	8 445	8 889	8 524	8 909
	58 547	59 189	58 813	58 396	58 139	55 031
Industry	8 057	7 906	7 791	7 480	7 900	7 254
<i>among which by product:</i>						
Gas/diesel oil	495	548	504	409	460	395
Residual fuel oil	3 505	3 336	3 089	2 919	2 963	2 944

	ITALIA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	117	131	114	124	105	98
Non-ferrous metals	90	80	73	77	69	67
Chemical industry	1 043	1 113	1 057	822	1 686	1 118
Non-met. mineral prod.	3 743	3 840	4 020	3 943	3 707	3 719
Food, drink, tobacco	839	819	779	751	690	690
Pulp, paper and print	202	234	224	233	221	217
Engineering & metal	798	748	691	699	689	663
Other industries	700	522	470	484	429	403
Transport	41 769	42 407	42 125	42 683	42 963	40 560
<i>among which:</i>						
Motor spirit	15 413	14 479	13 467	12 647	11 811	10 819
Jet fuel	3 487	3 458	3 603	3 860	4 101	3 958
Diesel oil	21 069	22 740	23 384	24 517	25 407	24 045
Services & households etc.	8 721	8 876	8 897	8 233	7 276	7 217
<i>among which:</i>						
Gas oil	6 120	6 379	6 333	5 958	5 155	5 084
Residual fuel oil	328	259	250	160	128	90
Stocks at end of period						
Crude oil and feedstocks	6 684	6 817	6 912	6 601	6 585	6 136
Petroleum products	13 954	13 612	12 767	13 208	13 803	13 583

5. Natural gas

<i>in TJ (GCV)</i>	ITALIA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	529 017	493 813	459 905	418 301	369 799	352 617
Total imports	2 392 454	2 587 295	2 798 826	2 948 903	2 817 495	2 928 634
Total exports	14 516	15 050	15 088	14 058	2 591	8 003
Stock changes	52 692	5 145	43 053	-134 343	49 873	-39 204
Gross inland consumption	2 959 647	3 071 203	3 286 696	3 218 803	3 234 576	3 234 044
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	935 774	976 579	1 046 378	1 049 617	936 650	990 295
Egypt	-	-	-	-	-	-
Libya	-	19 850	171 183	293 065	352 082	376 085
Nigeria	-	-	-	-	-	-
Norway	191 643	197 739	218 046	218 885	212 636	210 884
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	826 313	900 074	888 721	858 012	863 613	894 817
Consumption						
Inputs to electricity plants	980 954	1 115 933	1 251 270	1 279 270	1 306 570	1 440 974
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	15 730	14 432	14 422	15 255	16 736	40 548
Distribution losses	14 099	21 719	22 832	21 640	41 955	16 345
Non-energy use	43 245	45 910	46 177	44 007	35 777	32 346
Industry	789 137	722 686	704 130	685 558	730 121	525 735
<i>among which:</i>						
Iron&steel industry	90 489	90 559	90 814	87 759	85 686	85 727
Non-ferrous metals	18 403	18 876	18 593	18 519	18 325	17 258
Chemical industry	137 465	126 252	122 106	121 139	127 942	62 459
Non-met. mineral prod.	169 469	167 843	166 107	163 326	151 333	133 173
Food, drink, tobacco	86 947	79 474	68 819	61 205	68 543	58 798
Pulp, paper and print	77 913	42 469	42 192	40 866	90 715	38 552
Engineering & metal	104 168	101 915	101 207	99 343	105 539	92 611
Other industries	39 855	38 058	37 801	35 647	38 562	2 354
Transport	16 953	16 542	17 656	19 235	22 518	25 566
Services & households etc.	1 099 530	1 133 978	1 230 209	1 153 838	1 080 899	1 152 530
<i>among which:</i>						
Households	803 531	836 596	874 090	793 036	743 257	745 006
Services	289 824	290 927	348 251	353 886	330 364	401 160

6.1 Hard coal

<i>in 1 000 t</i>	ITALIA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	250	98	95	21	158	117
Total imports	20 562	24 666	24 150	24 632	24 953	25 099
Total exports	-	-	-	-	-	-
Stock changes	334	-484	-5	145	7	-306
Gross inland consumption	21 146	24 280	24 240	24 798	25 118	24 910
Imports						
Imports by origin						
<i>among which:</i>						
Australia	2 874	3 077	2 791	3 097	3 086	2 923
Colombia	-	2 923	2 997	2 034	2 112	2 429
Russia	1 055	1 895	1 096	833	803	915
South Africa	4 765	5 902	4 600	4 779	5 178	4 596
USA	2 468	2 329	2 635	2 672	3 053	3 254
Consumption						
Inputs to electricity plants	14 251	16 807	15 999	15 939	16 964	16 919
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	60	61	349	54	59	60
Industry	1 996	2 516	2 600	2 759	1 948	2 059
<i>among which:</i>						
Iron&steel industry	1 223	1 628	1 678	1 818	1 030	1 102
Non-ferrous metals	1	2	2	2	3	5
Chemical industry	2	3	3	3	3	4
Non-met. mineral prod.	770	883	917	936	912	948
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	1	12	11	11	9	7

6.2 Coal derivatives and peat

	ITALIA					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	3 827	4 062	4 574	4 688	4 727	4 485
Patent Fuel	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	15 111	14 347	14 147	15 752	16 480	17 106
Blast-furnace gas	36 321	35 884	43 071	44 748	40 714	38 495
Gasworks gas	-	-	-	-	-	-
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	3 769	3 729	3 760	3 529	3 554	2 899
<i>among which:</i>						
Iron & steel industry	3 694	3 692	3 718	3 487	3 513	2 868
Services & households etc.	23	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	7	9	8	8	4	4
<i>among which:</i>						
Industry	7	9	8	8	4	4
Services & households etc.	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	313	-	-	-	-	-
Blast-furnace gas	649	695	801	180	272	-
Gasworks gas	-	-	-	-	-	-
Inputs to electricity plants	49 217	48 993	55 890	59 021	56 281	54 940
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	1 175	560	527	1 299	657	661
Consumption in industry	962	695	801	180	272	-

7. Renewable energy sources

		ITALIA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	10 090	11 875	11 528	12 198	11 901	13 491
Hydro (excl. pumping)		3 176	3 671	3 101	3 181	2 822	3 579
Wind		125	159	202	255	347	418
Solar		18	21	30	38	56	83
Geothermal		4 810	4 888	4 791	4 966	5 002	4 960
Biomass		1 962	3 136	3 404	3 758	3 675	4 451
	<i>among which:</i>						
Wood, wood-waste		1 015	1 575	1 790	1 919	1 707	2 092
Municipal solid waste		692	986	1 111	1 281	1 400	1 278
Biogas		255	319	324	359	388	410
Gross inland consumption		10 714	12 521	12 149	13 097	13 479	14 192
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		4 592	4 675	4 578	4 753	4 789	4 747
Biomass		1 039	1 998	2 215	2 430	2 563	2 602
	<i>among which:</i>						
Wood, wood-waste		92	693	780	790	775	897
Municipal waste		692	986	1 111	1 281	1 400	1 278
Biogas		255	319	324	359	388	410
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	1 780	2 014	2 050	2 475	2 165	2 830
	<i>by sector:</i>						
Industry		206	203	198	198	167	243
Services & households etc.		1 574	1 556	1 673	2 116	1 857	1 863
Transport		-	255	179	161	141	723
	<i>by source:</i>						
Biomass		1 547	1 783	1 810	2 227	1 900	2 550
	<i>among which:</i>						
Wood, wood-waste		1 547	1 528	1 631	2 028	1 720	1 827
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		217	213	213	213	213	213
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		24	29	31	35	39	193
Hydro with installed capacity < 1 MW		1 455	1 731	1 526	1 521	1 416	1 770
Hydro with installed capacity > 1 & <10 MW		5 736	7 129	6 090	6 354	5 684	7 390
Hydro with installed capacity > 10 MW		29 483	33 885	28 451	29 119	25 715	32 464
Wood, Wood-waste		611	1 913	2 167	2 312	2 298	2 746
Municipal waste		1 812	2 277	2 620	2 917	3 025	3 112
Biogas		1 033	1 170	1 198	1 336	1 447	1 600

		ITALIA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		7	7	7	45	87	432
Hydro with installed capacity < 1 MW		329	413	419	427	425	437
Hydro with installed capacity > 1 & <10 MW		1 554	1 951	1 986	2 040	2 039	2 105
Hydro with installed capacity > 10 MW		11 820	14 691	14 920	14 944	11 109	11 190
Wood, Wood-waste		383	503	510	2 078	1 936	2 131
Municipal waste		446	511	1 162	1 195	1 091	1 113
Biogas		257	268	284	310	329	349
Liquid biofuels							
Production	<i>1000 t</i>	-	286	200	223	202	777
Solar Panels							
Solar panel surface	<i>1000 m²</i>	400	460	680	866	1 152	1 476

1. Energy economy

Key figures and energy indicators

		KYPROS/KIBRIS					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	48	48	48	50	65	74
Net energy imports		2 663	2 417	2 816	2 971	2 872	3 032
Net oil imports		2 627	2 390	2 773	2 928	2 848	2 990
Net gas imports		-	-	-	-	-	-
Gross inland energy consumption		2 651	2 450	2 468	2 609	2 725	2 860
Final energy consumption		1 810	1 818	1 812	1 840	1 901	1 964
Industry		425	525	318	331	344	375
Transport		953	858	969	926	952	973
Services and households etc.		433	435	524	582	604	616
Gross electricity generation	<i>GWh</i>	4 053	4 201	4 377	4 652	4 871	5 079
Final electricity consumption		3 645	3 749	3 960	4 168	4 385	4 634
Socio-economic statistics							
Population	<i>1000 per.</i>	715	730	749	766	779	789
Total imports (current prices)	<i>Mio EUR</i>	5 681	6 394	6 951	7 594	8 645	9 905
among which:							
All energy commodities		:	385	834	1 011	1 068	1 452
Oil products		:	373	815	981	1 036	1 413
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	3 707	3 355	3 295	3 404	3 500	3 624
Final energy consumption / capita		2 532	2 489	2 418	2 401	2 442	2 489
Household consumption / capita		347	333	425	452	385	373
Final electricity consumption / capita	<i>kWh/cap.</i>	5 097	5 133	5 286	5 438	5 631	5 871
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	96.0	96.4	100.7	102.5	95.9	97.5
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	68.3	74.2	73.4	70.5	69.8	68.7
Efficiency of thermal power stations		33.3	36.1	35.0	36.4	36.2	36.3

2. Energy balance

Principal aggregates by product

in 1 000 toe	KYPROS/KIBRIS					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	48	48	48	50	65	74
among which:						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	-	-	-	-	-	-
Biomass	12	9	6	6	12	17
Imports						
Total	2 663	2 417	2 816	2 971	2 872	3 032
among which:						
Hard coal	33	24	43	43	23	29
Crude oil and feedstocks	971	244	-	-	-	-
Petroleum products	1 656	2 146	2 773	2 928	2 848	2 990
Natural Gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
Exports						
Total	-	-	-	-	-	-
among which:						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
Gross inland consumption						
Total	2 651	2 450	2 468	2 609	2 725	2 860
among which:						
Solid fuels	38	38	36	37	34	28
Crude oil and petrol. prod.	2 565	2 362	2 382	2 520	2 618	2 739
Natural gas	-	-	-	-	-	-
Nuclear Energy	-	-	-	-	-	-
Renewables	48	49	48	50	66	87
Transformation input						
Total	2 019	1 279	1 077	1 100	1 156	1 202
among which:						
Crude oil and feedstocks	973	280	0	0	0	0
Natural gas	-	-	-	-	-	-
Petroleum products	1 046	999	1 077	1 100	1 156	1 202
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Transformation output						
Total	1 318	641	376	400	419	437
among which:						
Electricity	348	361	376	400	419	436
Heat	-	-	-	-	-	-

		KYPROS/KIBRIS					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		1 810	1 818	1 812	1 840	1 901	1 964
<i>among which:</i>	Solid fuels	38	38	36	37	33	28
	Petroleum products	1 411	1 407	1 385	1 393	1 417	1 446
	Natural Gas	-	-	-	-	-	-
	Renewables	48	48	48	50	66	86
	Electricity	313	322	340	358	377	398
Final energy consumption by sector							
Industry							
Total		425	525	318	331	344	375
<i>among which:</i>	Solid fuels	38	38	36	37	33	28
	Petroleum Products	338	436	232	243	249	280
	Natural Gas	-	-	-	-	-	-
	Renewables	5	3	1	1	2	7
	Electricity	44	46	47	48	52	55
Transport							
Total		953	858	969	926	952	973
<i>among which:</i>	Motor spirit	265	296	318	339	370	392
	Diesel oil	356	258	352	279	287	274
	Jet fuel	332	303	299	308	295	294
	Electricity	-	-	-	-	-	-
Services & households etc.							
Total		433	435	524	582	604	616
<i>among which:</i>	Solid fuels	-	-	-	-	-	-
	Gas oil	25	27	112	147	137	132
	Natural Gas	-	-	-	-	-	-
	Renewables	43	45	47	48	63	65
	Electricity	269	276	294	310	325	344
	Heat	-	-	-	-	-	-

3.1 Electricity balance

	KYPROS/KIBRIS					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	4 053	4 201	4 377	4 652	4 871	5 079
<i>among which:</i>						
Hydro	-	-	-	-	-	-
Wind	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	4 052	4 200	4 376	4 651	4 869	5 076
<i>of which:</i>						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Petroleum products	4 052	4 200	4 376	4 651	4 868	5 064
Natural gas	-	-	-	-	-	-
Derived gases	-	-	-	-	-	-
Biomass	-	-	-	-	1	12
Industrial wastes	-	-	-	-	-	-
Total net generation	3 831	3 975	4 131	4 397	4 605	4 811
Imports and exports						
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Consumption and losses						
Consumption of the energy branch	248	238	253	262	271	283
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	159	213	164	221	215	153
Final energy consumption	3 645	3 749	3 960	4 168	4 385	4 634
<i>of which:</i>						
Industry	515	537	546	564	602	635
<i>among which:</i>						
Iron&steel industry	-	-	1	1	1	2
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	20	21	24	25	27	28
Non-met. mineral prod.	208	216	221	225	225	231
Food, drink, tobacco	159	162	166	171	183	195
Pulp, paper and print	17	18	18	20	20	22
Engineering & metal	24	28	30	32	34	35
Other industries	61	61	61	64	67	74
Transport	-	-	-	-	-	-
Services & households etc.	3 130	3 212	3 414	3 604	3 783	3 999
<i>among which:</i>						
Households	1 294	1 316	1 433	1 500	1 608	1 683

3.2 Electrical capacity, fuel inputs and heat

		KYPROS/KIBRIS					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	994	994	1 124	1 134	1 139	1 193
<i>by source:</i>							
Conventional thermal		994	994	1 124	1 134	1 139	1 193
<i>of which:</i>							
Steam		800	800	930	930	930	930
Gas turbine		188	188	188	188	188	188
Combined cycle		-	-	-	-	-	-
Internal combustion		6	6	6	16	21	74
Nuclear		-	-	-	-	-	-
Hydro		-	-	-	-	-	-
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		988	988	1 119	1 118	1 118	1 168
Autoproducers		6	6	6	16	21	25
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	1 046	999	1 077	1 100	1 156	1 202
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		1 046	999	1 077	1 100	1 156	1 202
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	1 000 toe	-	-	-	-	-	-
<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

<i>in 1 000 t</i>	KYPROS/KIBRIS					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	969	243	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	2	35	-	-	-	-
Refinery intake	971	279	-	-	-	-
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	-	-	-	-	-	-
Near and Middle East	631	141	-	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	338	76	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	631	141	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	KYPROS/KIBRIS					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	968	279	-	-	-	-
<i>among which:</i>						
Motor spirit	146	40	-	-	-	-
Kerosene and jet fuel	39	11	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	327	88	-	-	-	-
Residual fuel oil	362	112	-	-	-	-
Total imports	1 701	2 190	2 828	2 989	2 909	3 056
Total exports	-	-	-	-	-	-
Bunkers	125	57	336	297	276	254
Stock changes	66	-5	-62	-117	38	-5
Gross inland consumption	1 642	2 128	2 430	2 575	2 671	2 797
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	-	-
United Kingdom	11	7	176	59	30	97
Russia	666	3	44	27	26	-
Norway	-	-	-	-	-	125
OPEC	44	19	39	51	112	69
Imports by product						
<i>among which:</i>						
Motor spirit	110	239	331	335	344	372
Kerosene and jet fuel	323	297	321	331	282	304
Gas/diesel oil	252	479	603	629	605	606
Residual fuel oil	821	925	1 298	1 404	1 403	1 479
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heating plants	1 095	1 046	1 126	1 151	1 209	1 257
Non-energy use	-	-	-	-	-	-
Final energy consumption	78	75	76	76	64	72
	1 409	1 407	1 386	1 391	1 413	1 445
Industry						
	370	469	270	278	284	318
<i>among which by product:</i>						
Gas/diesel oil	166	249	47	78	81	86
Residual fuel oil	62	68	66	54	60	80

	KYPROS/KIBRIS					
	2003	2004	2005	2006	2007	2008
<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.	199	214	174	163	181	203
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	166	255	96	115	103	115
Transport	925	831	940	897	921	928
<i>among which:</i>						
Motor spirit	252	282	303	323	352	373
Jet fuel	323	295	291	300	287	286
Diesel oil	350	254	346	274	282	269
Services & households etc.	114	107	176	216	208	199
<i>among which:</i>						
Gas oil	25	27	110	144	135	130
Residual fuel oil	-	-	-	2	2	2
Stocks at end of period						
Crude oil and feedstocks	35	-	-	-	-	-
Petroleum products	211	216	278	395	357	362

5. Natural gas

<i>in TJ (GCV)</i>	KYPROS/KIBRIS					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
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

	KYPROS/KIBRIS					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	51	39	63	63	33	41
Total exports	-	-	-	-	-	-
Stock changes	2	18	-11	-9	16	-1
Gross inland consumption	53	57	52	54	49	40
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	9	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	51	-	-	-	-	-
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
Consumption						
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.	53	57	52	54	49	40
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

6.2 Coal derivatives and peat

	KYPROS/KIBRIS					
	2003	2004	2005	2006	2007	2008
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 etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	12	11	-	1	1	1
<i>among which:</i>						
Industry	12	11	-	-	-	-
Services & households etc.	-	-	-	1	1	1
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
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					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	48	48	48	50	65	74
Hydro (excl. pumping)		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Solar		36	40	41	43	54	56
Geothermal		-	-	-	-	0	0
Biomass		12	9	6	6	12	17
	<i>among which:</i>						
Wood, wood-waste		12	9	6	6	11	11
Municipal solid waste		-	-	-	-	-	-
Biogas		-	-	-	0	0	0
Gross inland consumption		48	49	48	50	66	87
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>	48	48	48	50	66	86
	<i>by sector:</i>						
Industry		5	3	1	1	2	7
Services & households etc.		43	45	47	48	63	65
Transport		-	-	-	-	1	14
	<i>by source:</i>						
Biomass		12	9	6	7	13	29
	<i>among which:</i>						
Wood, wood-waste		12	9	6	7	12	15
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	0	0	0
Geothermal		-	-	-	-	0	0
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		1	1	1	1	2	3
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		-	-	-	-	1	12

		KYPROS/KIBRIS					
		2003	2004	2005	2006	2007	2008
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>	-	-	-	-	-	7
Solar Panels							
Solar panel surface	<i>1000 m²</i>	730	730	730	765	800	838

1. Energy economy

Key figures and energy indicators

		LATVIJA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	1 730	1 840	1 856	1 842	1 797	1 784
Net energy imports		2 796	3 173	2 995	3 170	3 039	2 781
Net oil imports		1 467	1 564	1 676	1 714	1 765	1 736
Net gas imports		1 406	1 739	1 434	1 530	1 316	1 095
Gross inland energy consumption		4 289	4 406	4 492	4 625	4 764	4 595
Final energy consumption		3 813	3 921	4 030	4 199	4 364	4 163
Industry		628	669	705	741	724	681
Transport		959	1 012	1 066	1 178	1 333	1 280
Services and households etc.		2 227	2 240	2 258	2 280	2 307	2 202
Gross electricity generation	<i>GWh</i>	3 975	4 689	4 905	4 891	4 771	5 274
Final electricity consumption		5 180	5 381	5 701	6 113	6 582	6 609
Socio-economic statistics							
Population	<i>1000 per.</i>	2 332	2 319	2 306	2 295	2 281	2 271
Total imports (current prices)	<i>Mio EUR</i>	5 453	6 658	8 098	10 647	13 169	12 695
<i>among which:</i>							
All energy commodities		:	535	1 028	1 163	1 193	1 581
Oil products		:	418	812	874	831	1 004
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	1 839	1 900	1 947	2 016	2 088	2 023
Final energy consumption / capita		1 636	1 691	1 747	1 830	1 913	1 833
Household consumption / capita		652	644	657	650	644	644
Final electricity consumption / capita	<i>kWh/cap.</i>	2 222	2 320	2 472	2 664	2 885	2 910
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	62.5	68.9	63.1	65.8	61.5	57.9
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	88.9	89.0	89.7	90.8	91.6	90.6
Efficiency of thermal power stations		82.7	83.4	83.8	85.9	86.2	82.1

2. Energy balance

Principal aggregates by product

in 1 000 toe	LATVIJA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	1 730	1 840	1 856	1 842	1 797	1 784
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	2	3	3	3	3	3
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	195	267	286	232	235	267
Biomass	1 529	1 565	1 564	1 603	1 555	1 509
Imports						
Total	3 203	3 935	3 941	3 876	3 757	3 479
<i>among which:</i> Hard coal	78	59	73	100	94	105
Crude oil and feedstocks	7	3	4	22	29	23
Petroleum products	1 476	1 893	2 173	1 963	1 885	1 844
Natural Gas	1 406	1 739	1 434	1 530	1 316	1 095
Electricity	230	235	245	242	427	399
Exports						
Total	406	762	946	706	718	699
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	16	333	501	271	149	132
Natural gas	-	-	-	-	-	-
Electricity	3	55	61	26	169	183
Gross inland consumption						
Total	4 289	4 406	4 492	4 625	4 764	4 595
<i>among which:</i> Solid fuels	89	68	82	87	106	107
Crude oil and petrol. prod.	1 294	1 358	1 382	1 479	1 623	1 551
Natural gas	1 347	1 332	1 358	1 407	1 360	1 333
Nuclear Energy	-	-	-	-	-	-
Renewables	1 325	1 459	1 481	1 434	1 413	1 382
Transformation input						
Total	1 126	1 059	1 049	1 073	1 017	994
<i>among which:</i> Crude oil and feedstocks	1	1	1	1	1	1
Natural gas	852	807	825	864	815	805
Petroleum products	81	67	52	31	27	15
Hard coal	7	7	6	5	10	11
Lignite and peat	16	1	1	1	2	1
Renewables	168	175	164	170	163	160
Transformation output						
Total	944	875	877	904	857	813
<i>among which:</i> Electricity	143	132	132	185	171	181
Heat	801	743	744	718	685	631

		LATVIJA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		3 813	3 921	4 030	4 199	4 364	4 163
<i>among which:</i>	Solid fuels	60	59	74	80	94	92
	Petroleum products	1 248	1 302	1 332	1 469	1 608	1 519
	Natural Gas	456	492	508	513	523	501
	Renewables	956	1 011	1 024	1 025	1 005	947
	Electricity	445	463	490	526	566	568
Final energy consumption by sector							
Industry							
Total		628	669	705	741	724	681
<i>among which:</i>	Solid fuels	10	10	27	36	50	51
	Petroleum Products	111	108	93	101	97	80
	Natural Gas	275	284	295	290	282	262
	Renewables	72	104	124	144	120	129
	Electricity	138	140	146	151	156	145
Transport							
Total		959	1 012	1 066	1 178	1 333	1 280
<i>among which:</i>	Motor spirit	357	359	352	390	427	389
	Diesel oil	527	568	615	678	787	758
	Jet fuel	40	48	59	67	80	98
	Electricity	10	10	10	10	10	10
Services & households etc.							
Total		2 227	2 240	2 258	2 280	2 307	2 202
<i>among which:</i>	Solid fuels	50	49	47	44	44	41
	Gas oil	135	140	133	151	151	133
	Natural Gas	180	206	212	222	239	239
	Renewables	883	906	897	878	884	816
	Electricity	298	312	334	364	400	413
	Heat	626	573	581	567	550	522

3.1 Electricity balance

	LATVIJA					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	3 975	4 689	4 905	4 891	4 771	5 274
<i>among which:</i>						
Hydro	2 266	3 109	3 325	2 698	2 733	3 109
Wind	48	49	47	46	53	59
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	1 661	1 531	1 533	2 147	1 985	2 106
<i>of which:</i>						
Hard coal	-	-	-	-	1	2
Lignite and peat	22	-	-	-	-	-
Petroleum products	82	60	6	5	17	2
Natural gas	1 533	1 433	1 485	2 100	1 924	2 057
Derived gases	-	-	-	-	-	-
Biomass	24	38	42	42	43	45
Industrial wastes	-	-	-	-	-	-
Total net generation	3 782	4 498	4 714	4 677	4 577	5 084
Imports and exports						
Total imports	2 671	2 733	2 855	2 810	4 964	4 643
Total exports	38	636	707	302	1 964	2 123
Consumption and losses						
Consumption of the energy branch	526	520	516	468	391	387
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	902	885	836	818	798	798
Final energy consumption	5 180	5 381	5 701	6 113	6 582	6 609
<i>of which:</i>						
Industry	1 605	1 634	1 700	1 759	1 816	1 685
<i>among which:</i>						
Iron&steel industry	137	147	144	157	147	142
Non-ferrous metals	3	3	3	2	2	1
Chemical industry	75	66	72	75	59	65
Non-met. mineral prod.	105	105	164	155	184	192
Food, drink, tobacco	313	298	318	323	351	346
Pulp, paper and print	39	42	43	38	42	41
Engineering & metal	211	217	226	224	227	192
Other industries	502	557	605	673	688	624
Transport	115	116	120	120	116	119
Services & households etc.	3 460	3 631	3 881	4 234	4 650	4 805
<i>among which:</i>						
Households	1 421	1 467	1 572	1 728	1 794	2 031

3.2 Electrical capacity, fuel inputs and heat

		LATVIJA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	2 155	2 156	2 165	2 150	2 132	2 154
<i>by source:</i>							
Conventional thermal		592	594	603	588	570	590
<i>of which:</i>							
Steam		560	558	429	369	343	342
Gas turbine		1	1	1	1	1	1
Combined cycle		-	-	146	192	192	192
Internal combustion		31	35	27	26	34	55
Nuclear		-	-	-	-	-	-
Hydro		1 537	1 536	1 536	1 536	1 536	1 536
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		26	26	26	26	26	28
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		2 122	2 124	2 132	2 119	2 114	2 131
Autoproducers		33	32	33	31	18	23
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	609	582	576	678	644	624
<i>among which:</i>							
Hard coal		-	-	-	-	5	8
Lignite and peat		14	-	-	-	-	-
Petroleum products		34	26	13	13	12	5
Natural gas		548	535	541	642	606	589
Renewables		13	21	21	22	20	23
Heating plants		515	475	473	394	373	368
<i>among which:</i>							
Hard coal		7	7	6	5	5	4
Lignite and peat		1	1	1	1	2	1
Petroleum products		47	41	38	17	14	11
Natural gas		304	272	284	222	209	215
Renewables		155	154	143	149	143	138
Heat production and consumption							
Total heat production	1 000 toe	801	743	744	718	685	631
<i>among which: in heating plants</i>		439	389	393	320	301	299
Heat consumption		641	587	598	582	564	531
<i>of which: in industry</i>		15	15	16	15	13	9
in households and services		626	573	581	567	550	522
<i>among which: in households</i>		476	433	439	426	414	392

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	LATVIJA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	7	3	4	22	29	23
Total exports	-	-	-	-	-	-
Stock changes	1	-	-	-2	2	-
Refinery intake	1	1	1	1	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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	LATVIJA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	1	1	1	1	1	1
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	1	1	1	1	1	1
Residual fuel oil	-	-	-	-	-	-
Total imports	1 465	1 870	2 145	1 926	1 846	1 810
Total exports	16	336	507	261	142	125
Bunkers	190	205	264	200	181	210
Stock changes	1	-6	-46	-41	25	10
Gross inland consumption	1 270	1 326	1 338	1 431	1 556	1 494
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	1	1
United Kingdom	-	21	2	5	-	1
Russia	173	235	336	197	334	292
Norway	37	35	86	262	112	42
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	322	418	413	561	441	400
Kerosene and jet fuel	36	113	178	76	83	97
Gas/diesel oil	669	776	900	896	954	908
Residual fuel oil	224	208	244	161	122	167
Exports by product						
<i>among which:</i>						
Motor spirit	-	76	67	126	44	26
Kerosene and jet fuel	-	-	-	1	-	-
Gas/diesel oil	-	50	116	106	41	42
Residual fuel oil	-	200	293	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heating plants	36	27	14	14	13	5
Non-energy use	49	43	40	18	15	11
Final energy consumption	80	81	97	109	114	118
	1 223	1 276	1 300	1 434	1 565	1 478
Industry						
	120	117	97	107	99	81
<i>among which by product:</i>						
Gas/diesel oil	28	32	33	36	47	39
Residual fuel oil	17	10	12	12	11	9

	LATVIJA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	23	23	21	23	23	22
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	3	-	-	-	-	4
Non-met. mineral prod.	47	43	27	30	13	9
Food, drink, tobacco	25	23	24	24	20	13
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	2	2	3	4	3	3
Other industries	16	22	21	24	37	26
Transport	918	970	1 020	1 128	1 281	1 231
<i>among which:</i>						
Motor spirit	340	342	335	371	406	370
Jet fuel	39	47	57	65	78	95
Diesel oil	518	558	604	666	773	745
Services & households etc.	185	189	183	199	185	166
<i>among which:</i>						
Gas oil	133	138	131	148	148	131
Residual fuel oil	12	11	13	10	1	2
Stocks at end of period						
Crude oil and feedstocks	1	1	1	3	1	1
Petroleum products	173	179	225	267	241	231

5. Natural gas

<i>in TJ (GCV)</i>	LATVIJA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	65 403	80 880	66 710	71 174	61 201	50 953
Total exports	-	-	-	-	-	-
Stock changes	-2 728	-18 897	-3 541	-5 738	2 046	11 062
Gross inland consumption	62 675	61 983	63 169	65 436	63 247	62 015
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	65 403	80 880	66 710	71 174	61 201	50 953
Consumption						
Inputs to electricity plants	25 488	24 898	25 156	29 886	28 200	27 413
Inputs to heat plants	14 165	12 635	13 230	10 322	9 711	10 019
Consumption of energy branch	972	969	969	1 043	633	894
Distribution losses	822	596	186	298	372	373
Non-energy use	-	-	-	-	-	-
Industry	12 782	13 231	13 714	13 489	13 133	12 179
<i>among which:</i>						
Iron&steel industry	4 410	4 473	4 583	4 546	4 576	4 246
Non-ferrous metals	336	298	224	223	223	149
Chemical industry	336	447	485	522	410	559
Non-met. mineral prod.	2 093	2 050	2 646	2 087	2 195	1 974
Food, drink, tobacco	2 616	3 094	2 982	3 093	2 604	2 309
Pulp, paper and print	187	186	224	261	223	223
Engineering & metal	524	484	484	633	596	447
Other industries	1 047	1 006	1 192	1 490	1 711	1 825
Transport	75	75	75	75	74	37
Services & households etc.	8 371	9 579	9 839	10 323	11 124	11 100
<i>among which:</i>						
Households	4 074	4 398	4 659	4 807	5 097	5 215
Services	3 475	4 175	4 360	4 733	5 320	5 364

6.1 Hard coal

	LATVIJA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	124	95	116	160	150	167
Total exports	-	-	-	-	-	3
Stock changes	-23	3	4	-30	12	-2
Gross inland consumption	101	98	120	130	162	162
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	120	94	115	160	150	150
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	-	-	-	-	8	12
Inputs to heat plants	11	11	9	8	8	6
Consumption of energy branch	1	1	1	-	1	2
Industry	9	8	35	51	75	76
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	1	1	26	43	69	72
Food, drink, tobacco	5	4	4	3	3	3
Pulp, paper and print	1	1	1	1	-	-
Engineering & metal	-	-	1	1	1	-
Other industries	1	1	1	1	1	1
Services & households etc.	80	78	75	71	70	65

6.2 Coal derivatives and peat

		LATVIJA					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		8	13	12	14	11	11
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		6	7	7	6	4	5
<i>among which:</i>							
Iron & steel industry		5	7	7	5	4	5
Services & households etc.		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households etc.		-	-	-	-	-	-
Lignite and peat		-	-	-	-	1	1
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	1	1
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
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					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	1 728	1 837	1 854	1 839	1 794	1 782
Hydro (excl. pumping)		195	267	286	232	235	267
Wind		4	4	4	4	5	5
Solar		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Biomass		1 529	1 565	1 564	1 603	1 555	1 509
	<i>among which:</i>						
Wood, wood-waste		1 526	1 558	1 554	1 586	1 532	1 468
Municipal solid waste		-	-	-	-	-	-
Biogas		4	7	8	8	8	9
Gross inland consumption		1 325	1 459	1 481	1 434	1 413	1 382
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		168	175	164	170	163	160
	<i>among which:</i>						
Wood, wood-waste		166	171	158	164	157	153
Municipal waste		-	-	-	-	-	-
Biogas		2	4	6	6	6	7
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	956	1 011	1 024	1 025	1 005	947
	<i>by sector:</i>						
Industry		72	104	124	144	120	129
Services & households etc.		883	906	897	878	884	816
Transport		-	-	3	3	2	2
	<i>by source:</i>						
Biomass		956	1 011	1 024	1 025	1 005	947
	<i>among which:</i>						
Wood, wood-waste		954	1 008	1 019	1 020	1 002	944
Municipal waste		-	-	-	-	-	-
Biogas		2	3	2	2	2	2
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		43	46	40	26	49	64
Hydro with installed capacity > 1 & <10 MW		14	23	22	14	19	6
Hydro with installed capacity > 10 MW		2 213	3 040	3 263	2 659	2 665	3 038
Wood, Wood-waste		6	6	6	7	5	5
Municipal waste		-	-	-	-	-	-
Biogas		18	32	36	35	38	40

		LATVIJA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		20	18	18	18	18	24
Hydro with installed capacity > 1 & <10 MW		6	7	7	7	7	1
Hydro with installed capacity > 10 MW		1 511	1 511	1 511	1 511	1 511	1 511
Wood, Wood-waste		2	3	3	3	3	3
Municipal waste		-	-	-	-	-	-
Biogas		5	6	7	7	7	7
Liquid biofuels							
Production	<i>1000 t</i>	-	-	2	12	21	40
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		LIETUVA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	5 105	4 963	3 683	3 244	3 521	3 584
Net energy imports		4 105	4 439	5 119	5 481	5 778	5 507
Net oil imports		2 235	2 562	2 700	2 792	2 688	2 881
Net gas imports		2 355	2 343	2 492	2 480	2 976	2 500
Gross inland energy consumption		8 984	9 146	8 615	8 430	9 134	9 155
Final energy consumption		4 123	4 286	4 464	4 730	4 962	4 854
Industry		909	937	994	1 055	1 064	957
Transport		1 206	1 325	1 408	1 512	1 792	1 797
Services and households etc.		2 007	2 024	2 062	2 163	2 106	2 100
Gross electricity generation	GWh	19 488	19 274	14 784	12 482	14 007	13 912
Final electricity consumption		7 142	7 612	7 930	8 399	8 845	9 019
Socio-economic statistics							
Population	1000 per.	3 463	3 446	3 425	3 403	3 385	3 366
Total imports (current prices)	Mio EUR	9 400	10 737	13 492	16 608	19 271	22 921
among which:							
All energy commodities		:	1 324	3 059	3 466	2 891	5 835
Oil products		:	1 191	2 782	3 064	2 287	4 823
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 594	2 654	2 515	2 477	2 699	2 720
Final energy consumption / capita		1 191	1 244	1 303	1 390	1 466	1 442
Household consumption / capita		399	398	404	420	399	409
Final electricity consumption / capita	kWh/cap.	2 063	2 209	2 315	2 468	2 613	2 679
Energy dependency							
Net energy imports / Gross consumption	in %	45.1	47.9	58.5	64.0	62.5	59.6
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	45.9	46.9	51.8	56.1	54.3	53.0
Efficiency of thermal power stations		82.6	81.9	79.9	83.4	87.5	88.9

2. Energy balance

Principal aggregates by product

	LIETUVA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	5 105	4 963	3 683	3 244	3 521	3 584
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	13	14	20	15	15	19
Crude oil	390	308	220	184	157	130
Natural Gas	-	-	-	-	-	-
Nuclear heat	3 994	3 896	2 666	2 232	2 536	2 552
Hydro-electricity	28	36	39	34	36	35
Biomass	677	706	734	776	766	837
Imports						
Total	10 541	12 336	12 856	12 517	10 380	13 465
<i>among which:</i> Hard coal	177	158	176	236	217	230
Crude oil and feedstocks	7 331	9 008	9 244	8 725	5 904	9 622
Petroleum products	311	444	426	520	708	541
Natural Gas	2 355	2 343	2 492	2 480	2 976	2 500
Electricity	356	369	485	500	503	486
Exports						
Total	6 436	7 897	7 737	7 036	4 602	7 957
<i>among which:</i> Crude oil and feedstocks	294	197	151	117	158	131
Petroleum products	5 112	6 693	6 819	6 336	3 766	7 150
Natural gas	-	-	-	-	-	-
Electricity	1 004	988	740	537	621	568
Gross inland consumption						
Total	8 984	9 146	8 615	8 430	9 134	9 155
<i>among which:</i> Solid fuels	187	182	201	274	265	219
Crude oil and petrol. prod.	2 388	2 604	2 769	2 720	2 747	3 022
Natural gas	2 354	2 348	2 476	2 454	2 892	2 596
Nuclear Energy	3 994	3 896	2 666	2 232	2 536	2 552
Renewables	708	736	758	787	812	849
Transformation input						
Total	12 985	14 461	13 869	12 379	9 946	13 728
<i>among which:</i> Crude oil and feedstocks	7 346	8 890	9 459	8 468	5 899	9 749
Natural gas	1 262	1 280	1 352	1 273	1 195	1 089
Petroleum products	243	222	224	214	110	108
Hard coal	7	7	7	7	6	5
Lignite and peat	8	9	7	8	17	8
Renewables	125	157	154	177	184	216
Transformation output						
Total	10 083	11 577	11 789	10 657	8 164	11 866
<i>among which:</i> Electricity	1 591	1 576	1 201	1 003	1 113	1 100
Heat	1 227	1 184	1 192	1 249	1 174	1 106

		LIETUVA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		4 123	4 286	4 464	4 730	4 962	4 854
<i>among which:</i>	Solid fuels	173	169	190	262	247	211
	Petroleum products	1 388	1 510	1 610	1 678	1 895	1 883
	Natural Gas	432	481	503	544	557	535
	Renewables	594	576	574	580	582	587
	Electricity	614	655	682	722	761	775
Final energy consumption by sector							
Industry							
Total		909	937	994	1 055	1 064	957
<i>among which:</i>	Solid fuels	86	87	94	134	139	120
	Petroleum Products	67	79	94	83	73	59
	Natural Gas	248	271	290	312	298	287
	Renewables	99	103	101	92	90	83
	Electricity	226	236	244	252	265	241
Transport							
Total		1 206	1 325	1 408	1 512	1 792	1 797
<i>among which:</i>	Motor spirit	375	359	352	370	436	431
	Diesel oil	620	711	775	833	997	1 020
	Jet fuel	33	39	46	52	72	77
	Electricity	5	5	5	5	5	5
Services & households etc.							
Total		2 007	2 024	2 062	2 163	2 106	2 100
<i>among which:</i>	Solid fuels	87	82	96	128	108	91
	Gas oil	38	40	44	43	44	48
	Natural Gas	184	209	213	232	259	249
	Renewables	494	473	470	469	440	442
	Electricity	383	414	433	465	491	529
	Heat	740	735	733	762	721	696

3.1 Electricity balance

	LIETUVA					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	19 488	19 274	14 784	12 482	14 007	13 912
<i>among which:</i>						
Hydro	985	943	820	802	958	988
Wind	-	1	2	14	106	131
Geothermal	-	-	-	-	-	-
Nuclear	15 484	15 102	10 337	8 651	9 833	9 894
Conventional thermal	3 019	3 228	3 625	3 015	3 110	2 899
<i>of which:</i>						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	1	12	1
Petroleum products	327	361	401	329	408	566
Natural gas	2 518	2 691	3 017	2 464	2 405	2 025
Derived gases	-	-	-	-	-	-
Biomass	7	6	7	25	54	69
Industrial wastes	167	170	200	196	231	238
Total net generation	17 878	17 706	13 584	11 393	12 878	12 781
Imports and exports						
Total imports	4 144	4 293	5 641	5 812	5 846	5 649
Total exports	11 674	11 488	8 607	6 240	7 218	6 606
Consumption and losses						
Consumption of the energy branch	2 751	2 672	2 299	2 169	2 143	2 340
<i>of which:</i>						
Consumption for pumped-storage	230	197	143	162	206	216
Network losses	1 405	1 273	1 220	1 081	1 110	1 010
Final energy consumption	7 142	7 612	7 930	8 399	8 845	9 019
<i>of which:</i>						
Industry	2 630	2 744	2 833	2 933	3 081	2 806
<i>among which:</i>						
Iron&steel industry	34	32	29	25	36	18
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	551	554	598	671	780	730
Non-met. mineral prod.	236	211	230	272	275	251
Food, drink, tobacco	451	453	496	513	567	546
Pulp, paper and print	86	86	91	97	107	97
Engineering & metal	399	431	386	287	225	188
Other industries	526	650	714	762	798	776
Transport	53	54	56	58	56	57
Services & households etc.	4 459	4 814	5 041	5 408	5 708	6 156
<i>among which:</i>						
Households	1 895	2 066	2 141	2 350	2 464	2 705

3.2 Electrical capacity, fuel inputs and heat

		LIETUVA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	5 705	5 708	4 531	4 562	4 588	4 630
<i>by source:</i>							
Conventional thermal		2 469	2 470	2 470	2 471	2 483	2 518
<i>of which:</i>							
Steam		2 467	2 446	2 442	2 442	2 444	2 441
Gas turbine		2	23	23	23	26	23
Combined cycle		-	1	5	6	13	35
Internal combustion		-	-	-	-	-	-
Nuclear		2 367	2 367	1 183	1 183	1 183	1 183
Hydro		869	870	877	877	875	875
<i>among which:</i>							
Pumped storage		760	760	760	760	760	760
Wind		-	1	1	31	47	54
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		5 664	5 669	4 494	4 526	4 397	4 442
Autoproducers		66	64	62	61	216	213
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	1 033	1 141	1 221	1 161	1 008	962
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	7	0
Petroleum products		143	159	172	164	67	85
Natural gas		873	973	1 044	977	894	831
Renewables		18	9	5	20	39	46
Heating plants		607	528	519	513	498	459
<i>among which:</i>							
Hard coal		7	7	7	7	6	5
Lignite and peat		3	3	3	3	4	3
Petroleum products		100	62	52	50	42	23
Natural gas		390	308	308	296	301	258
Renewables		106	148	149	157	144	170
Heat production and consumption							
Total heat production	1 000 toe	1 227	1 184	1 192	1 249	1 174	1 106
<i>among which: in heating plants</i>							
		581	480	482	491	513	455
Heat consumption		922	895	905	944	920	863
<i>of which: in industry</i>							
		182	161	172	182	199	166
<i>in households and services</i>							
		740	735	733	762	721	696
<i>among which: in households</i>							
		544	535	532	549	502	508

4.1 Crude oil and feedstocks

	LIETUVA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	382	302	216	181	154	128
Total imports	7 177	8 822	9 061	8 577	5 807	9 441
Total exports	288	193	148	115	155	129
Stock changes	-75	-187	211	-286	49	119
Refinery intake	7 191	8 707	9 271	8 325	5 802	9 566
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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	5	100
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	7 088	8 177	8 871	8 038	4 591	8 835
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

	LIETUVA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Production and supply						
Total refinery output	7 106	8 629	9 206	8 257	5 776	9 473
<i>among which:</i>						
Motor spirit	1 882	2 331	2 462	2 172	1 569	2 686
Kerosene and jet fuel	695	850	832	764	503	929
Naphtha	122	90	79	55	46	42
Gas/diesel oil	2 064	2 523	2 781	2 246	1 493	2 716
Residual fuel oil	1 381	1 673	1 799	1 938	1 381	1 955
Total imports	309	444	434	515	703	548
Total exports	5 011	6 568	6 696	6 244	3 719	7 038
Bunkers	112	116	147	142	122	92
Stock changes	-71	14	-249	156	-29	-35
Gross inland consumption	-4 884	-6 224	-6 656	-5 710	-3 163	-6 612
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	1	-	1	-	9	-
United Kingdom	-	-	1	15	1	31
Russia	125	117	76	98	367	191
Norway	12	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	2	4	26	88	8	8
Kerosene and jet fuel	25	23	-	13	16	-
Gas/diesel oil	39	123	87	92	290	184
Residual fuel oil	124	159	158	152	137	126
Exports by product						
<i>among which:</i>						
Motor spirit	1 563	2 062	2 177	2 033	1 209	2 325
Kerosene and jet fuel	415	544	495	511	108	404
Gas/diesel oil	1 651	2 180	2 194	1 660	1 023	2 185
Residual fuel oil	979	1 347	1 417	1 664	1 108	1 724
Consumption						
Inputs to electricity plants						
Inputs to heating plants	150	168	182	173	72	89
Non-energy use	104	65	54	52	44	24
Final energy consumption	161	206	227	221	211	267
	1 336	1 455	1 553	1 620	1 835	1 821
Industry	68	80	95	86	78	60
<i>among which by product:</i>						
Gas/diesel oil	23	25	37	30	28	28
Residual fuel oil	38	48	46	35	15	14

	LIETUVA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	1	-	-	1	1	1
Non-met. mineral prod.	14	27	35	33	27	12
Food, drink, tobacco	20	19	19	18	17	13
Pulp, paper and print	1	-	-	-	-	-
Engineering & metal	2	3	1	1	-	-
Other industries	23	24	32	27	29	31
Transport	1 156	1 270	1 348	1 433	1 674	1 672
<i>among which:</i>						
Motor spirit	357	342	335	352	415	410
Jet fuel	32	38	45	51	70	75
Diesel oil	609	699	762	819	980	1 002
Services & households etc.	112	105	110	101	83	89
<i>among which:</i>						
Gas oil	37	39	43	42	43	47
Residual fuel oil	7	5	4	2	3	3
Stocks at end of period						
Crude oil and feedstocks	256	443	232	518	469	350
Petroleum products	709	695	944	789	834	870

5. Natural gas

<i>in TJ (GCV)</i>	LIETUVA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	109 549	108 991	115 949	115 354	138 425	116 284
Total exports	-	-	-	-	-	-
Stock changes	-37	223	-744	-1 191	-3 907	4 465
Gross inland consumption	109 512	109 214	115 205	114 163	134 518	120 749
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	109 549	108 991	115 949	115 354	138 425	116 284
Consumption						
Inputs to electricity plants	40 590	45 250	48 561	45 464	41 602	38 661
Inputs to heat plants	18 122	14 307	14 326	13 765	13 991	12 020
Consumption of energy branch	501	500	862	1 324	1 377	1 223
Distribution losses	1 106	993	467	76	37	-
Non-energy use	28 522	25 147	26 986	27 804	51 574	43 615
Industry	11 549	12 629	13 476	14 520	13 842	13 331
<i>among which:</i>						
Iron&steel industry	7	59	56	52	51	56
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	390	2 057	2 243	3 799	2 679	2 738
Non-met. mineral prod.	1 424	1 318	1 793	1 879	1 972	1 707
Food, drink, tobacco	4 473	4 123	4 104	4 294	4 681	4 368
Pulp, paper and print	468	59	71	49	74	669
Engineering & metal	1 402	1 537	1 492	841	535	420
Other industries	1 815	2 003	2 315	2 148	2 585	2 693
Transport	-	-	-	-	-	-
Services & households etc.	8 556	9 738	9 932	10 775	12 058	11 564
<i>among which:</i>						
Households	5 466	5 909	6 255	6 515	6 848	6 783
Services	1 861	2 415	2 353	2 504	3 349	3 192

6.1 Hard coal

<i>in 1 000 t</i>	LIETUVA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	295	264	293	394	362	383
Total exports	-	-	2	3	8	9
Stock changes	-24	-1	-7	5	25	-50
Gross inland consumption	271	263	284	396	379	324
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	286	258	291	389	359	362
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heat plants	12	12	11	11	10	8
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	124	125	129	190	199	176
Food, drink, tobacco	2	1	2	2	2	1
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	1	1
Other industries	3	2	2	2	1	1
Services & households etc.	129	121	138	188	165	136

6.2 Coal derivatives and peat

		LIETUVA					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		46	50	70	55	53	67
Brown coal briquettes		15	15	11	14	13	15
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		12	12	18	24	24	17
<i>among which:</i>							
Iron & steel industry		-	-	2	2	2	1
Services & households etc.		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households etc.		-	-	-	-	-	-
Lignite and peat		14	13	26	17	6	9
<i>among which:</i>							
Industry		1	1	-	-	-	1
Services & households etc.		13	12	26	17	6	8
Brown coal briquettes		16	19	18	29	21	21
<i>among which:</i>							
Industry		-	1	1	1	1	1
Services & households etc.		16	18	17	28	20	20
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					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	708	745	776	813	813	883
Hydro (excl. pumping)		28	36	39	34	36	35
Wind		-	0	0	1	9	11
Solar		-	-	-	-	-	-
Geothermal		3	3	3	2	2	1
Biomass		677	706	734	776	766	837
	<i>among which:</i>						
Wood, wood-waste		675	701	722	759	732	765
Municipal solid waste		-	-	-	-	-	-
Biogas		2	2	2	2	2	3
Gross inland consumption		708	736	758	787	812	849
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		3	3	3	2	2	1
Biomass		122	154	151	175	182	216
	<i>among which:</i>						
Wood, wood-waste		121	153	150	174	181	214
Municipal waste		-	-	-	-	-	-
Biogas		1	1	1	1	1	2
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	594	576	574	580	582	587
	<i>by sector:</i>						
Industry		99	103	101	92	90	83
Services & households etc.		494	473	470	469	440	442
Transport		-	1	3	19	52	61
	<i>by source:</i>						
Biomass		594	576	574	580	582	587
	<i>among which:</i>						
Wood, wood-waste		593	575	570	560	529	524
Municipal waste		-	-	-	-	-	-
Biogas		1	1	1	1	1	1
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		29	43	45	40	67	51
Hydro with installed capacity > 1 & <10 MW		12	18	21	15	28	22
Hydro with installed capacity > 10 MW		284	359	385	341	325	329
Wood, Wood-waste		6	4	3	19	48	60
Municipal waste		-	-	-	-	-	-
Biogas		-	2	4	5	5	9

		LIETUVA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		13	14	19	19	17	17
Hydro with installed capacity > 1 & <10 MW		6	6	8	8	8	8
Hydro with installed capacity > 10 MW		90	90	90	90	90	90
Wood, Wood-waste		2	2	2	12	16	16
Municipal waste		-	-	-	-	-	-
Biogas		2	3	3	3	6	8
Liquid biofuels							
Production	<i>1000 t</i>	-	4	14	20	40	82
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		LUXEMBOURG					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	60	73	74	80	82	84
Net energy imports		4 154	4 535	4 622	4 662	4 537	4 498
Net oil imports		2 694	2 951	3 081	3 012	2 879	2 923
Net gas imports		1 064	1 199	1 179	1 234	1 203	1 093
Gross inland energy consumption		4 208	4 621	4 715	4 713	4 655	4 563
Final energy consumption		3 965	4 352	4 446	4 396	4 377	4 329
Industry		889	966	940	1 019	959	876
Transport		2 339	2 590	2 721	2 631	2 619	2 615
Services and households etc.		737	796	785	746	799	838
Gross electricity generation	<i>GWh</i>	3 620	4 121	4 135	4 333	4 002	3 557
Final electricity consumption		6 000	6 405	6 158	6 508	6 688	6 554
Socio-economic statistics							
Population	<i>1000 per.</i>	448	455	461	469	476	484
Total imports (current prices)	<i>Mio EUR</i>	29 251	35 244	40 205	48 828	53 710	55 261
among which:							
All energy commodities		706	960	1 317	1 471	1 493	1 937
Oil products		695	946	1 297	1 445	1 376	1 909
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	9 387	10 155	10 222	10 048	9 776	9 431
Final energy consumption / capita		8 846	9 565	9 639	9 371	9 193	8 947
Household consumption / capita		1 385	1 456	1 398	1 286	1 373	1 415
Final electricity consumption / capita	<i>kWh/cap.</i>	13 384	14 077	13 352	13 873	14 045	13 547
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	98.7	98.1	98.0	98.9	97.5	98.6
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	94.2	94.2	94.3	93.3	94.0	94.9
Efficiency of thermal power stations		59.3	58.2	58.8	58.9	58.1	59.4

2. Energy balance

Principal aggregates by product

	LUXEMBOURG					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	60	73	74	80	82	84
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	7	9	9	10	9	11
Biomass	51	59	60	63	65	66
Imports						
Total	4 407	4 819	4 906	4 951	4 792	4 719
<i>among which:</i> Hard coal	74	90	78	107	76	69
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	2 708	2 966	3 096	3 020	2 886	2 930
Natural Gas	1 064	1 199	1 179	1 234	1 203	1 093
Electricity	557	559	550	587	589	587
Exports						
Total	253	284	284	289	255	220
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	14	15	15	8	7	7
Natural gas	-	-	-	-	-	-
Electricity	239	269	269	281	248	214
Gross inland consumption						
Total	4 208	4 621	4 715	4 713	4 655	4 563
<i>among which:</i> Solid fuels	78	94	82	110	80	72
Crude oil and petrol. prod.	2 688	2 964	3 100	2 983	2 915	2 903
Natural gas	1 064	1 199	1 179	1 234	1 203	1 093
Nuclear Energy	-	-	-	-	-	-
Renewables	60	73	74	80	117	121
Transformation input						
Total	466	563	568	597	538	459
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Natural gas	431	520	525	550	489	409
Petroleum products	-	-	-	-	-	-
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	36	43	43	47	49	50
Transformation output						
Total	277	328	334	351	312	272
<i>among which:</i> Electricity	230	276	274	287	258	216
Heat	47	51	61	64	54	57

		LUXEMBOURG					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		3 965	4 352	4 446	4 396	4 377	4 329
<i>among which:</i>	Solid fuels	78	94	82	110	80	72
	Petroleum products	2 676	2 960	3 080	2 961	2 903	2 900
	Natural Gas	633	680	678	684	714	684
	Renewables	16	16	17	17	52	53
	Electricity	516	551	529	560	575	564
Final energy consumption by sector							
Industry							
Total		889	966	940	1 019	959	876
<i>among which:</i>	Solid fuels	78	94	81	110	80	72
	Petroleum Products	49	56	74	79	78	75
	Natural Gas	398	427	421	436	403	345
	Renewables	-	-	-	-	-	-
	Electricity	341	364	342	366	381	365
Transport							
Total		2 339	2 590	2 721	2 631	2 619	2 615
<i>among which:</i>	Motor spirit	595	556	510	472	453	431
	Diesel oil	1 342	1 596	1 768	1 743	1 684	1 691
	Jet fuel	390	425	431	405	434	445
	Electricity	9	9	8	10	10	10
Services & households etc.							
Total		737	796	785	746	799	838
<i>among which:</i>	Solid fuels	0	0	0	0	-	-
	Gas oil	293	319	290	257	249	254
	Natural Gas	236	253	257	247	310	339
	Renewables	16	16	16	16	16	16
	Electricity	166	178	179	184	184	189
	Heat	23	26	39	36	37	38

3.1 Electricity balance

	LUXEMBOURG						
	in GWh	2003	2004	2005	2006	2007	2008
Generation							
Total gross generation		3 620	4 121	4 135	4 333	4 002	3 557
<i>among which:</i>							
Hydro		917	859	883	917	919	965
Wind		26	39	52	58	64	61
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		2 676	3 214	3 182	3 337	2 998	2 511
<i>of which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		2 611	3 137	3 107	3 247	2 895	2 402
Derived gases		-	-	-	-	-	-
Biomass		65	77	75	90	103	109
Industrial wastes		-	-	-	-	-	-
Total net generation		3 560	4 092	4 104	4 301	3 960	3 516
Imports and exports							
Total imports		6 481	6 506	6 392	6 824	6 847	6 830
Total exports		2 777	3 132	3 131	3 267	2 887	2 484
Consumption and losses							
Consumption of the energy branch		315	332	352	366	353	368
<i>of which:</i>							
Consumption for pumped-storage		255	303	321	334	311	327
Network losses		154	48	102	132	131	136
Final energy consumption		6 000	6 405	6 158	6 508	6 688	6 554
<i>of which:</i>							
Industry		3 968	4 233	3 979	4 259	4 426	4 247
<i>among which:</i>							
Iron&steel industry		1 874	1 913	1 709	1 895	2 047	1 867
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		406p	433p	407p	436p	453p	337p
Non-met. mineral prod.		130p	139p	130p	140p	145p	116p
Food, drink, tobacco		118p	126p	119p	127p	132p	113p
Pulp, paper and print		-	-	-	-	-	-
Engineering & metal		0p	0p	0p	0p	0p	0p
Other industries		1 327p	1 502p	1 501p	1 541p	1 524p	1 690p
Transport		104	100	95	111	118	113
Services & households etc.		1 928	2 072	2 084	2 138	2 144	2 194
<i>among which:</i>							
Households		685	725	728	747	749	761

3.2 Electrical capacity, fuel inputs and heat

		LUXEMBOURG					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	1 607	1 628	1 629	1 632	1 632	1 644
<i>by source:</i>							
Conventional thermal		452	459	460	463	463	467
<i>of which:</i>							
Steam		9	9	9	9	9	9
Gas turbine		378	378	378	378	378	378
Combined cycle		-	-	-	-	-	-
Internal combustion		65	72	73	76	76	80
Nuclear		-	-	-	-	-	-
Hydro		1 134	1 134	1 134	1 134	1 134	1 134
<i>among which:</i>							
Pumped storage		1 100	1 100	1 100	1 100	1 100	1 100
Wind		21	35	35	35	35	43
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		1 493	1 493	1 493	1 497	1 497	1 497
Autoproducers		137	166	168	168	168	180
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	466	563	568	597	538	459
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		431	520	525	550	489	409
Renewables		36	43	43	47	49	50
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	47	51	61	64	54	57
<i>among which: in heating plants</i>		-	-	-	-	-	-
Heat consumption		47	51	61	64	54	57
<i>of which: in industry</i>		23	26	22	28	17	18
in households and services		23	26	39	36	37	38
<i>among which: in households</i>		23	26	35	32	32	32

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	LUXEMBOURG					
	2003	2004	2005	2006	2007	2008
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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	LUXEMBOURG					
	2003	2004	2005	2006	2007	2008
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	2 638	2 893	3 023	2 950	2 818	2 862
Total exports	13	14	14	8	6	6
Bunkers	-	-	-	-	-	-
Stock changes	-6	13	18	-28	35	-20
Gross inland consumption	2 619	2 892	3 027	2 914	2 847	2 836
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	126	269	346	313	145	206
United Kingdom	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	573	529	479	454	427	406
Kerosene and jet fuel	378	412	421	400	426	430
Gas/diesel oil	1 646	1 915	2 083	2 058	1 936	1 997
Residual fuel oil	5	4	2	2	1	1
Exports by product						
<i>among which:</i>						
Motor spirit	1	1	1	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	5	6	8	4	1	1
Residual fuel oil	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-
Final energy consumption	14	13	21	22	14	14
	2 607	2 887	3 006	2 891	2 834	2 832
Industry	48	55	72	77	76	73
<i>among which by product:</i>						
Gas/diesel oil	31	42	62	68	68	66
Residual fuel oil	5	4	2	2	1	1

	LUXEMBOURG						
	in 1 000 t	2003	2004	2005	2006	2007	2008
Industry							
<i>among which by sector:</i>							
Iron&steel industry		2	2	2	2	2	2
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		3	3	3	3	3	3
Non-met. mineral prod.		5	7	5	4	4	4
Food, drink, tobacco		6	7	6	6	7	7
Pulp, paper and print		-	-	-	-	-	-
Engineering & metal		-	-	-	-	-	-
Other industries		29	32	51	56	52	49
Transport		2 268	2 515	2 645	2 557	2 511	2 507
<i>among which:</i>							
Motor spirit		566	529	485	449	431	410
Jet fuel		380	414	420	394	423	433
Diesel oil		1 319	1 569	1 738	1 713	1 655	1 662
Services & households etc.		291	317	289	257	247	252
<i>among which:</i>							
Gas oil		288	314	285	253	245	250
Residual fuel oil		-	-	-	-	-	-
Stocks at end of period							
Crude oil and feedstocks		-	-	-	-	-	-
Petroleum products		130	117	99	127	92	112

5. Natural gas

<i>in TJ (GCV)</i>	LUXEMBOURG					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	49 499	55 794	54 829	57 404	55 948	50 827
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	49 499	55 794	54 829	57 404	55 948	50 827
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	20 039	24 177	24 434	25 564	22 742	19 023
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Distribution losses	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-
Industry	18 496	19 849	19 584	20 302	18 763	16 054
<i>among which:</i>						
Iron&steel industry	8 231	8 568	7 906	9 054	-	7 159
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	10 265	11 281	11 678	11 248	18 763	8 895
Transport	-	-	-	-	-	-
Services & households etc.	10 964	11 768	11 942	11 511	14 443	15 750
<i>among which:</i>						
Households	10 964	11 768	11 942	11 511	14 443	15 750
Services	-	-	-	-	-	-

6.1 Hard coal

<i>in 1 000 t</i>	LUXEMBOURG					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	106	129	111	153	109	99
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	106	129	111	153	109	99
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	-	-	-	-	-	-
South Africa	45	62	49	52	51	46
USA	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	42	40	34	49	44	41
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	64	89	77	104	65	58
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

6.2 Coal derivatives and peat

		LUXEMBOURG					
		2003	2004	2005	2006	2007	2008
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 etc.		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households etc.		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Brown coal briquettes		8	8	8	7	7	6
<i>among which:</i>							
Industry		7	7	7	6	7	6
Services & households etc.		1	1	1	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

		LUXEMBOURG					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	60	73	74	80	82	84
Hydro (excl. pumping)		7	9	9	10	9	11
Wind		2	3	4	5	6	5
Solar		0	1	2	2	2	2
Geothermal		-	-	-	-	-	-
Biomass		51	59	60	63	65	66
	<i>among which:</i>						
Wood, wood-waste		15	15	15	16	16	16
Municipal solid waste		31	38	36	38	39	38
Biogas		4	5	7	9	10	12
Gross inland consumption		60	73	74	80	117	121
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		36	43	43	47	49	50
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		31	38	36	38	39	38
Biogas		4	5	7	9	10	12
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	16	16	17	17	52	53
	<i>by sector:</i>						
Industry		-	-	-	-	-	-
Services & households etc.		16	16	16	16	16	16
Transport		-	1	1	1	36	37
	<i>by source:</i>						
Biomass		15	16	16	16	51	52
	<i>among which:</i>						
Wood, wood-waste		15	15	15	16	16	16
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		1	9	18	21	21	20
Hydro with installed capacity < 1 MW		5	5	5	5	6	7
Hydro with installed capacity > 1 & <10 MW		72	101	93	106	102	126
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		48	56	48	57	66	65
Biogas		17	20	27	33	37	44

		LUXEMBOURG					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		15	24	24	24	24	25
Hydro with installed capacity < 1 MW		2	2	2	2	2	2
Hydro with installed capacity > 1 & <10 MW		38	38	38	38	38	38
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		9	9	9	9	9	9
Biogas		2	5	5	6	6	6
Liquid biofuels							
Production	<i>1000 t</i>	-	1	1	1	1	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>	4	5	6	9	13	17

1. Energy economy

Key figures and energy indicators

		MAGYARORSZÁG					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	10 684	10 166	10 439	10 353	10 174	10 410
Net energy imports		16 346	16 095	17 514	17 408	16 589	17 049
Net oil imports		4 751	4 963	5 872	6 106	6 288	6 006
Net gas imports		9 940	9 278	9 807	9 417	8 557	9 307
Gross inland energy consumption		27 054	26 557	28 037	27 839	27 020	26 781
Final energy consumption		17 611	17 505	18 111	18 019	16 946	17 035
Industry		3 478	3 389	3 422	3 461	3 377	3 358
Transport		3 750	3 882	4 196	4 680	4 673	4 803
Services and households etc.		10 383	10 233	10 492	9 879	8 896	8 874
Gross electricity generation	<i>GWh</i>	34 145	33 708	35 755	35 859	39 959	40 025
Final electricity consumption		31 396	31 818	32 336	33 238	33 744	34 327
Socio-economic statistics							
Population	<i>1000 per.</i>	10 142	10 117	10 098	10 077	10 066	10 045
Total imports (current prices)	<i>Mio EUR</i>	48 240	54 708	60 137	69 988	79 852	84 138
among which:							
All energy commodities		:	1 807	3 498	6 688	6 539	9 280
Oil products		:	511	1 015	3 243	3 406	4 476
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	2 667	2 625	2 777	2 763	2 684	2 666
Final energy consumption / capita		1 736	1 730	1 794	1 788	1 683	1 696
Household consumption / capita		654	599	636	620	552	554
Final electricity consumption / capita	<i>kWh/cap.</i>	3 096	3 145	3 202	3 299	3 352	3 417
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	60.4	60.6	62.5	62.5	61.4	63.7
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	65.1	65.9	64.6	64.7	62.7	63.6
Efficiency of thermal power stations		47.1	48.9	50.3	51.1	49.8	50.1

2. Energy balance

Principal aggregates by product

	MAGYARORSZÁG					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	10 684	10 166	10 439	10 353	10 174	10 410
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	2 709	2 182	1 748	1 757	1 773	1 694
Crude oil	1 619	1 578	1 427	1 356	1 207	1 232
Natural Gas	2 286	2 367	2 331	2 382	2 005	2 006
Nuclear heat	2 841	3 074	3 569	3 472	3 786	3 822
Hydro-electricity	15	18	17	16	18	18
Biomass	818	860	1 118	1 245	1 288	1 520
Imports						
Total	19 549	19 308	21 742	21 953	21 349	21 467
<i>among which:</i> Hard coal	949	1 186	1 304	1 532	1 688	1 685
Crude oil and feedstocks	5 484	5 717	6 700	7 170	7 213	6 939
Petroleum products	1 808	2 087	2 440	2 316	2 369	2 335
Natural Gas	9 940	9 278	9 807	9 532	8 715	9 326
Electricity	1 210	905	1 345	1 324	1 262	1 098
Exports						
Total	3 203	3 213	4 229	4 544	4 760	4 418
<i>among which:</i> Crude oil and feedstocks	13	154	366	835	619	497
Petroleum products	2 527	2 687	2 902	2 545	2 675	2 770
Natural gas	-	-	-	115	158	19
Electricity	614	263	809	704	920	763
Gross inland consumption						
Total	27 054	26 557	28 037	27 839	27 020	26 781
<i>among which:</i> Solid fuels	3 797	3 523	3 045	3 096	3 138	3 054
Crude oil and petrol. prod.	7 008	6 613	7 537	7 824	7 608	7 353
Natural gas	11 886	11 712	12 094	11 457	10 705	10 561
Nuclear Energy	2 841	3 074	3 569	3 472	3 786	3 822
Renewables	921	966	1 225	1 342	1 420	1 634
Transformation input						
Total	18 207	17 840	19 249	19 634	20 621	20 281
<i>among which:</i> Crude oil and feedstocks	7 624	7 606	8 584	8 736	8 825	8 615
Natural gas	3 555	3 326	3 465	3 560	3 870	3 723
Petroleum products	498	252	135	171	152	107
Hard coal	675	796	916	1 279	1 425	1 389
Lignite and peat	2 655	2 280	1 715	1 620	1 679	1 614
Renewables	83	244	544	462	543	680
Transformation output						
Total	12 610	12 662	13 792	14 261	14 643	14 397
<i>among which:</i> Electricity	2 921	2 880	3 056	3 064	3 408	3 406
Heat	1 523	1 494	1 508	1 467	1 362	1 341

		MAGYARORSZÁG					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		17 611	17 505	18 111	18 019	16 946	17 035
<i>among which:</i>	Solid fuels	675	702	684	700	588	598
	Petroleum products	4 451	4 502	4 798	5 091	5 151	5 106
	Natural Gas	7 509	7 488	7 736	7 104	6 112	6 147
	Renewables	823	702	656	855	844	911
	Electricity	2 700	2 736	2 780	2 858	2 901	2 952
Final energy consumption by sector							
Industry							
Total		3 478	3 389	3 422	3 461	3 377	3 358
<i>among which:</i>	Solid fuels	396	478	432	435	446	431
	Petroleum Products	294	231	262	201	236	204
	Natural Gas	1 468	1 301	1 320	1 299	1 256	1 243
	Renewables	51	58	76	167	106	100
	Electricity	824	817	797	808	814	852
Transport							
Total		3 750	3 882	4 196	4 680	4 673	4 803
<i>among which:</i>	Motor spirit	1 499	1 522	1 552	1 617	1 611	1 568
	Diesel oil	1 910	2 007	2 275	2 642	2 645	2 661
	Jet fuel	201	218	230	270	249	276
	Electricity	90	94	94	103	105	103
Services & households etc.							
Total		10 383	10 233	10 492	9 879	8 896	8 874
<i>among which:</i>	Solid fuels	274	220	247	264	142	167
	Gas oil	274	270	225	110	227	242
	Natural Gas	6 039	6 185	6 414	5 803	4 854	4 903
	Renewables	772	644	575	677	709	646
	Electricity	1 786	1 825	1 889	1 947	1 982	1 997
	Heat	1 008	870	921	861	831	793

3.1 Electricity balance

	MAGYARORSZÁG					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	34 145	33 708	35 755	35 859	39 959	40 025
<i>among which:</i>						
Hydro	171	205	203	186	210	213
Wind	4	6	10	43	110	205
Geothermal	-	-	-	-	-	-
Nuclear	11 013	11 915	13 834	13 461	14 677	14 818
Conventional thermal	22 957	21 582	21 708	22 169	24 962	24 788
<i>of which:</i>						
Hard coal	307	432	343	352	550	571
Lignite and peat	8 863	7 746	6 680	6 650	6 823	6 515
Petroleum products	1 626	773	455	521	535	355
Natural gas	11 883	11 719	12 377	13 160	15 232	15 176
Derived gases	84	161	123	90	114	119
Biomass	194	751	1 716	1 358	1 703	2 048
Industrial wastes	-	-	14	38	5	4
Total net generation	31 379	31 262	33 215	33 345	37 220	37 383
Imports and exports						
Total imports	14 077	10 524	15 637	15 393	14 680	12 774
Total exports	7 138	3 056	9 410	8 186	10 694	8 871
Consumption and losses						
Consumption of the energy branch	5 448	5 378	5 705	5 862	6 242	5 713
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	4 240	3 980	3 941	3 964	3 959	3 888
Final energy consumption	31 396	31 818	32 336	33 238	33 744	34 327
<i>of which:</i>						
Industry	9 585	9 497	9 271	9 394	9 471	9 905
<i>among which:</i>						
Iron&steel industry	645	593	759	780	738	752
Non-ferrous metals	1 053	1 058	906	508	470	466
Chemical industry	2 050	2 102	2 127	2 407	2 640	2 721
Non-met. mineral prod.	966	971	913	938	937	1 122
Food, drink, tobacco	1 538	1 362	1 233	1 247	1 189	1 252
Pulp, paper and print	490	511	579	560	485	453
Engineering & metal	1 551	1 763	2 008	2 125	2 192	2 267
Other industries	974	857	484	614	621	698
Transport	1 045	1 093	1 096	1 199	1 222	1 194
Services & households etc.	20 766	21 228	21 969	22 645	23 051	23 228
<i>among which:</i>						
Households	11 063	11 032	11 115	11 451	11 250	11 460

3.2 Electrical capacity, fuel inputs and heat

		MAGYARORSZÁG					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	8 711	8 633	8 586	8 620	8 542	8 630
<i>by source:</i>							
Conventional thermal		6 788	6 715	6 654	6 672	6 607	6 505
<i>of which:</i>							
Steam		5 012	4 478	4 608	4 426	4 378	4 269
Gas turbine		691	678	633	678	483	471
Combined cycle		835	1 130	950	1 068	1 311	1 292
Internal combustion		160	265	425	500	435	473
Nuclear		1 866	1 866	1 866	1 866	1 825	1 940
Hydro		54	49	49	49	49	51
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		3	3	17	33	61	134
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		8 126	8 444	8 451	8 620	8 359	8 495
Autoproducers		585	189	135	-	183	135
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	6 386	5 757	5 659	5 616	6 139	6 095
<i>among which:</i>							
Hard coal		107	155	220	226	253	241
Lignite and peat		2 615	2 222	1 704	1 611	1 670	1 614
Petroleum products		458	204	122	122	135	93
Natural gas		3 052	2 842	2 992	3 112	3 451	3 379
Renewables		72	234	530	451	529	669
Heating plants		604	635	629	632	567	478
<i>among which:</i>							
Hard coal		6	28	79	65	72	72
Lignite and peat		34	54	10	9	9	-
Petroleum products		16	31	13	48	4	3
Natural gas		502	483	472	447	418	343
Renewables		10	10	13	11	14	11
Heat production and consumption							
Total heat production	1 000 toe	1 523	1 494	1 508	1 467	1 362	1 341
<i>among which: in heating plants</i>							
		470	518	513	488	439	403
Heat consumption		1 362	1 223	1 297	1 240	1 189	1 157
<i>of which: in industry</i>							
		353	352	376	380	358	363
<i>in households and services</i>							
		1 008	870	921	861	831	793
<i>among which: in households</i>							
		709	673	703	664	621	554

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	MAGYARORSZÁG					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	1 598	1 560	1 412	1 345	1 196	1 223
Total imports	5 413	5 651	6 630	7 112	7 145	6 885
Total exports	13	152	362	828	613	493
Stock changes	-4	-152	-44	106	90	-6
Refinery intake	7 524	7 516	8 489	8 656	8 734	8 539
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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	15	23	35	62	50
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	5 273	5 425	6 453	6 791	6 765	6 725
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	MAGYARORSZÁG					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	7 398	7 416	8 380	8 599	8 639	8 452
<i>among which:</i>						
Motor spirit	1 477	1 465	1 317	1 343	1 322	1 275
Kerosene and jet fuel	202	239	266	280	273	263
Naphtha	835	842	1 155	1 175	1 217	1 097
Gas/diesel oil	3 142	2 989	3 515	3 498	3 722	3 605
Residual fuel oil	367	313	218	232	200	207
Total imports	1 785	2 049	2 384	2 263	2 310	2 274
Total exports	2 526	2 681	2 898	2 557	2 697	2 800
Bunkers	-	-	-	-	-	-
Stock changes	-92	6	-68	79	-4	74
Gross inland consumption	-82	-459	-219	-129	-391	-452
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	3	-	5	13	1	2
United Kingdom	-	-	-	-	-	-
Russia	41	489	672	735	823	9
Norway	-	-	-	-	-	-
OPEC	-	-	-	2	-	1
Imports by product						
<i>among which:</i>						
Motor spirit	288	372	515	426	428	444
Kerosene and jet fuel	-	-	-	-	1	11
Gas/diesel oil	881	1 173	1 341	1 319	1 423	1 356
Residual fuel oil	404	205	123	94	27	12
Exports by product						
<i>among which:</i>						
Motor spirit	343	342	340	253	197	191
Kerosene and jet fuel	5	22	120	10	39	10
Gas/diesel oil	1 373	1 298	1 377	1 257	1 304	1 303
Residual fuel oil	83	109	56	60	45	49
Consumption						
Inputs to electricity plants						
Inputs to heating plants	478	213	128	129	141	97
Non-energy use	17	28	13	50	4	3
Final energy consumption	1 067	1 495	1 937	2 024	1 827	1 673
Industry	4 334	4 365	4 685	4 967	5 042	4 996
<i>among which by product:</i>						
Gas/diesel oil	31	26	37	35	28	33
Residual fuel oil	160	169	67	44	42	18

	MAGYARORSZÁG						
	in 1 000 t	2003	2004	2005	2006	2007	2008
Industry							
<i>among which by sector:</i>							
Iron&steel industry		-	3	-	-	1	1
Non-ferrous metals		2	-	2	2	1	1
Chemical industry		56	38	64	26	26	5
Non-met. mineral prod.		191	104	158	143	181	177
Food, drink, tobacco		22	57	25	13	11	7
Pulp, paper and print		7	9	9	7	9	6
Engineering & metal		10	3	3	6	3	3
Other industries		14	13	22	24	14	24
Transport		3 538	3 665	3 966	4 429	4 404	4 403
<i>among which:</i>							
Motor spirit		1 426	1 448	1 477	1 539	1 533	1 492
Jet fuel		196	212	224	263	242	269
Diesel oil		1 877	1 973	2 236	2 597	2 600	2 615
Services & households etc.		481	466	424	307	361	352
<i>among which:</i>							
Gas oil		269	265	221	108	223	238
Residual fuel oil		17	12	6	5	4	3
Stocks at end of period							
Crude oil and feedstocks		799	947	992	886	784	790
Petroleum products		1 471	1 425	1 548	1 477	1 466	1 392

5. Natural gas

<i>in TJ (GCV)</i>	MAGYARORSZÁG					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	106 329	110 100	108 422	110 815	93 251	93 312
Total imports	462 396	431 618	456 244	443 423	405 422	433 824
Total exports	-	-	-	5 347	7 334	874
Stock changes	-15 786	3 135	-2 056	-15 922	6 650	-34 972
Gross inland consumption	552 939	544 853	562 610	532 969	497 989	491 290
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	419 493	347 748	335 020	351 905	300 491	336 571
Consumption						
Inputs to electricity plants	142 000	132 233	139 181	144 754	160 521	157 211
Inputs to heat plants	23 372	22 461	21 937	20 806	19 459	15 938
Consumption of energy branch	8 005	7 084	13 535	9 600	6 818	7 636
Distribution losses	15 561	16 058	11 274	12 790	8 564	8 161
Non-energy use	10 188	14 949	16 728	15 769	18 232	16 354
Industry	68 291	60 530	61 393	60 415	58 425	57 802
<i>among which:</i>						
Iron&steel industry	6 085	5 833	6 416	5 319	4 684	4 225
Non-ferrous metals	5 106	5 240	4 636	4 721	4 344	4 362
Chemical industry	10 047	8 213	9 174	8 820	10 034	8 819
Non-met. mineral prod.	15 292	12 748	12 109	11 408	11 386	11 587
Food, drink, tobacco	15 698	13 853	12 106	13 164	11 621	13 466
Pulp, paper and print	3 720	3 086	2 786	3 451	3 322	3 197
Engineering & metal	8 568	8 488	10 103	9 867	9 865	8 417
Other industries	2 305	1 851	2 898	2 877	2 516	3 163
Transport	93	91	124	130	98	73
Services & households etc.	280 939	287 742	298 380	269 947	225 819	228 068
<i>among which:</i>						
Households	183 608	166 001	182 742	169 518	147 671	153 254
Services	87 940	111 805	105 411	91 411	71 084	67 085

6.1 Hard coal

<i>in 1 000 t</i>	MAGYARORSZÁG					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	1 499	1 916	2 153	2 433	2 652	2 744
Total exports	1	6	2	6	65	66
Stock changes	39	-	-74	142	-22	-61
Gross inland consumption	1 537	1 910	2 077	2 569	2 565	2 617
Imports						
Imports by origin						
<i>among which:</i>						
Australia	32	88	115	32	64	18
Colombia	-	-	-	-	-	-
Russia	369	838	866	770	920	762
South Africa	-	-	-	-	-	-
USA	7	3	52	105	486	839
Consumption						
Inputs to electricity plants	188	296	493	499	536	543
Inputs to heat plants	11	54	165	131	141	165
Consumption of energy branch	-	-	-	-	-	-
Industry	65	121	192	211	166	189
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	65	121	189	208	163	182
Food, drink, tobacco	-	-	2	3	2	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	1	-	1	5
Services & households etc.	407	353	371	398	247	275

6.2 Coal derivatives and peat

		MAGYARORSZÁG					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		593	664	614	921	1 017	999
Patent Fuel		-	-	-	-	-	-
Lignite and peat		13 301	11 242	9 570	9 952	9 818	9 404
Brown coal briquettes		29	35	30	24	10	6
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		4 416	4 337	4 563	8 200	9 155	8 997
Blast-furnace gas		6 502	7 705	7 784	7 748	7 927	7 581
Gasworks gas		-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		514	587	474	461	495	467
	<i>among which:</i>						
	Iron & steel industry	482	549	448	440	477	456
	Services & households etc.	8	8	1	-	-	-
Patent Fuel		-	-	-	-	-	-
	<i>among which:</i>						
	Services & households etc.	-	-	-	-	-	-
Lignite and peat		235	136	103	124	100	142
	<i>among which:</i>						
	Industry	37	28	3	4	26	20
	Services & households etc.	190	108	100	120	74	122
Brown coal briquettes		63	40	41	37	22	24
	<i>among which:</i>						
	Industry	-	-	-	-	-	-
	Services & households etc.	57	35	36	37	22	24
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		1 412	1 805	1 758	3 122	3 573	3 497
Blast-furnace gas		2 378	2 999	3 270	3 232	2 751	2 712
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		3 467	4 231	3 701	3 651	4 300	4 203
Inputs to heat plants		1 455	1 217	1 789	2 207	2 102	2 105
Consumption of energy branch		2 206	1 790	1 829	3 736	4 109	3 981
Consumption in industry		3 790	4 804	5 028	6 354	6 324	6 209

7. Renewable energy sources

		MAGYARORSZÁG					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	921	966	1 225	1 352	1 404	1 656
Hydro (excl. pumping)		15	18	17	16	18	18
Wind		0	1	1	4	9	18
Solar		2	2	2	2	3	4
Geothermal		86	86	87	86	86	96
Biomass		818	860	1 118	1 245	1 288	1 520
	<i>among which:</i>						
Wood, wood-waste		777	821	1 040	1 128	1 146	1 244
Municipal solid waste		36	33	66	94	108	92
Biogas		5	6	7	12	17	22
Gross inland consumption		921	966	1 225	1 342	1 420	1 634
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		7	6	6	5	5	5
Biomass		76	238	538	457	538	675
	<i>among which:</i>						
Wood, wood-waste		37	201	469	359	423	573
Municipal waste		36	33	66	94	108	92
Biogas		3	4	3	5	6	10
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	823	702	656	855	844	911
	<i>by sector:</i>						
Industry		51	58	76	167	106	100
Services & households etc.		772	644	575	677	709	646
Transport		-	-	5	11	29	165
	<i>by source:</i>						
Biomass		742	620	574	772	760	817
	<i>among which:</i>						
Wood, wood-waste		740	619	568	758	727	647
Municipal waste		-	-	-	-	-	-
Biogas		2	1	1	3	5	5
Geothermal		79	80	80	81	81	91
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	1
Hydro with installed capacity < 1 MW		5	12	13	16	16	16
Hydro with installed capacity > 1 & <10 MW		19	31	36	31	24	34
Hydro with installed capacity > 10 MW		147	162	153	139	170	163
Wood, Wood-waste		109	678	1 574	1 134	1 374	1 761
Municipal waste		67	52	118	187	282	219
Biogas		18	22	25	37	47	68

		MAGYARORSZÁG					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		1	3	5	3	3	4
Hydro with installed capacity > 1 & <10 MW		8	9	7	9	9	10
Hydro with installed capacity > 10 MW		45	39	37	37	37	37
Wood, Wood-waste		40	189	390	328	306	356
Municipal waste		25	25	24	29	42	42
Biogas		4	4	6	8	19	19
Liquid biofuels							
Production	<i>1000 t</i>	-	-	8	17	23	199
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	45	45p	65	100

1. Energy economy

Key figures and energy indicators

		MALTA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	-	-	-	-	-	-
Net energy imports		1 818	1 902	1 600	1 648	1 786	1 857
Net oil imports		1 818	1 902	1 600	1 648	1 786	1 857
Net gas imports		-	-	-	-	-	-
Gross inland energy consumption		911	930	943	897	946	948
Final energy consumption		461	497	459	434	441	490p
Industry		48	47	46	46	46	46p
Transport		265	302	262	251	257	307
Services and households etc.		149	148	151	138	138	138p
Gross electricity generation	<i>GWh</i>	2 236	2 216	2 240	2 296	2 296	2 276
Final electricity consumption		1 817	1 798	1 720	1 852	1 851	1 850p
Socio-economic statistics							
Population	<i>1000 per.</i>	397	400	403	405	408	410
Total imports (current prices)	<i>Mio EUR</i>	3 649	3 731	3 952	4 704	5 030	4 822
among which:							
All energy commodities		:	103	217	254	345	425
Oil products		:	100	208	244	338	410
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	2 293	2 327	2 341	2 215	2 320	2 311
Final energy consumption / capita		1 161	1 243	1 140	1 071	1 080	1 194
Household consumption / capita		209	206	220	199	198	197
Final electricity consumption / capita	<i>kWh/cap.</i>	4 573	4 496	4 271	4 573	4 539	4 509
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	100.0	100.0	100.0	100.0	100.0	100.0
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	50.6	53.4	48.7	48.4	46.6	51.7
Efficiency of thermal power stations		33.4	34.6	29.7	32.3	29.8	31.8

2. Energy balance

Principal aggregates by product

in 1 000 toe	MALTA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	-	-	-	-	-	-
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	-	-	-	-	-	-
Biomass	-	-	-	-	-	-
Imports						
Total	1 818	1 902	1 600	1 648	1 786	1 857
<i>among which:</i> Hard coal	-	-	-	-	-	-
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 818	1 902	1 600	1 648	1 786	1 857
Natural Gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
Exports						
Total	-	-	-	-	-	-
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
Gross inland consumption						
Total	911	930	943	897	946	948
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Crude oil and petrol. prod.	911	930	943	897	946	948
Natural gas	-	-	-	-	-	-
Nuclear Energy	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Transformation input						
Total	575	551	649	610	664	615
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Petroleum products	575	551	649	610	664	615
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Transformation output						
Total	192	191	193	197	197	196
<i>among which:</i> Electricity	192	191	193	197	197	196
Heat	-	-	-	-	-	-

<i>in 1 000 toe</i>	MALTA					
	2003	2004	2005	2006	2007	2008
Final energy consumption						
Total	461	497	459	434	441	490p
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Petroleum products	305	342	311	275	281	331
Natural Gas	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Electricity	156	155	148	159	159	159p
Final energy consumption by sector						
Industry						
Total	48	47	46	46	46	46p
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Petroleum Products	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Electricity	48	47	46	46	46	46p
Transport						
Total	265	302	262	251	257	307
<i>among which:</i> Motor spirit	74	61	71	80	67	74
Diesel oil	112	140	100	94	101	105
Jet fuel	79	101	90	77	89	128
Electricity	-	-	-	-	-	-
Services & households etc.						
Total	149	148	151	138	138	138p
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Gas oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Electricity	108	107	102	114	114	113p
Heat	-	-	-	-	-	-

3.1 Electricity balance

	MALTA					
	2003	2004	2005	2006	2007	2008
	<i>in GWh</i>					
Generation						
Total gross generation	2 236	2 216	2 240	2 296	2 296	2 276
<i>among which:</i>						
Hydro	-	-	-	-	-	-
Wind	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	2 236	2 216	2 240	2 296	2 296	2 276
<i>of which:</i>						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Petroleum products	2 236	2 216	2 240	2 296	2 296	2 276
Natural gas	-	-	-	-	-	-
Derived gases	-	-	-	-	-	-
Biomass	-	-	-	-	-	-
Industrial wastes	-	-	-	-	-	-
Total net generation	2 111	2 087	2 214	2 129	2 165	2 185
Imports and exports						
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Consumption and losses						
Consumption of the energy branch	125	127	100	167	131	91
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	294	291	296p	276	285	335p
Final energy consumption	1 817	1 798	1 720	1 852	1 851	1 850p
<i>of which:</i>						
Industry	556	550	534	530	530	530p
<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	556	550	534	530	530	530p
Transport	-	-	-	-	-	-
Services & households etc.	1 261	1 248	1 186	1 322	1 321	1 320p
<i>among which:</i>						
Households	627	621	623	658	658	660p

3.2 Electrical capacity, fuel inputs and heat

		MALTA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	571	571	571	571	571	571
<i>by source:</i>							
Conventional thermal		571	571	571	571	571	571
<i>of which:</i>							
Steam		350	350	350	350	350	350
Gas turbine		111	111	111	111	111	111
Combined cycle		110	110	110	110	110	110
Internal combustion		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Hydro		-	-	-	-	-	-
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		571	571	571	571	571	571
Autoproducers		-	-	-	-	-	-
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	575	551	649	610	664	615
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		575	551	649	610	664	615
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	1 000 toe	-	-	-	-	-	-
<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

<i>in 1 000 t</i>	MALTA					
	2003	2004	2005	2006	2007	2008
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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	MALTA					
	2003	2004	2005	2006	2007	2008
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	1 865	1 951	1 638	1 687	1 832	1 898
Total exports	-	-	-	-	-	-
Bunkers	940	1 005	678	774	868	937
Stock changes	-	-	-	-	-	-
Gross inland consumption	925	946	960	913	964	961
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	70	59	69	76	65	70
Kerosene and jet fuel	92	114	88	77	89	126
Gas/diesel oil	330	347	312	331	333	405
Residual fuel oil	1 344	1 402	1 136	1 183	1 325	1 276
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heating plants	597	575	675	636	691	639
Non-energy use	-	-	-	-	-	-
Final energy consumption	-	-	-	-	-	-
	296	333	302	265	272	320
Industry						
<i>among which by product:</i>						
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-

in 1 000 t	MALTA					
	2003	2004	2005	2006	2007	2008
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	257	294	254	243	250	298
<i>among which:</i>						
Motor spirit	70	58	68	76	64	70
Jet fuel	77	98	88	75	87	125
Diesel oil	110	138	98	92	99	103
Services & households etc.	39	39	48	22	22	22
<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					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
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					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	-	-	-	-	-	-
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to electricity plants	-	-	-	-	-	-
Inputs to heat plants						
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch						
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.						
Services & households etc.	-	-	-	-	-	-

6.2 Coal derivatives and peat

	MALTA					
	2003	2004	2005	2006	2007	2008
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 etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
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					
		2003	2004	2005	2006	2007	2008
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					
	2003	2004	2005	2006	2007	2008
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

		NEDERLAND					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	58 718	68 014	62 180	61 045	60 954	66 319
Net energy imports		36 425	31 062	38 108	36 962	39 399	34 215
Net oil imports		42 139	45 462	48 868	47 883	49 897	49 105
Net gas imports		-16 204	-24 860	-20 941	-21 131	-21 195	-25 269
Gross inland energy consumption		81 910	83 775	82 488	80 577	85 544	83 668
Final energy consumption		52 057	52 904	51 645	50 934	49 677	51 187
Industry		14 829	15 189	14 925	13 529	13 028	13 081
Transport		14 716	15 084	15 114	15 615	15 693	15 827
Services and households etc.		22 512	22 631	21 605	21 791	20 956	22 279
Gross electricity generation	<i>GWh</i>	96 829	102 440	100 219	98 393	105 164	107 645
Final electricity consumption		100 430	104 715	104 507	105 994	108 452	109 145
Socio-economic statistics							
Population	<i>1000 per.</i>	16 193	16 258	16 306	16 334	16 358	16 405
Total imports (current prices)	<i>Mio EUR</i>	270 538	289 894	313 688	351 014	376 111	409 158
among which:							
All energy commodities		25 101	28 528	44 328	57 123	53 940	68 463
Oil products		20 300	24 434	37 767	47 060	50 103	63 262
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	5 058	5 153	5 059	4 933	5 230	5 100
Final energy consumption / capita		3 215	3 254	3 167	3 118	3 037	3 120
Household consumption / capita		649	643	619	613	565	597
Final electricity consumption / capita	<i>kWh/cap.</i>	6 202	6 441	6 409	6 489	6 630	6 653
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	38.2	31.6	38.4	37.7	38.9	34.6
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	63.6	63.1	62.6	63.2	58.1	61.2
Efficiency of thermal power stations		60.1	60.4	60.1	57.9	58.8	58.0

2. Energy balance

Principal aggregates by product

in 1 000 toe	NEDERLAND					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	58 718	68 014	62 180	61 045	60 954	66 319
among which:						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	3 179	2 988	2 346	2 084	2 637	2 216
Natural Gas	52 212	61 585	56 265	55 394	54 443	59 893
Nuclear heat	1 036	986	1 031	895	1 083	1 075
Hydro-electricity	6	8	8	9	9	9
Biomass	2 152	2 266	2 331	2 405	2 463	2 733
Imports						
Total	144 500	149 219	158 377	168 717	165 723	167 423
among which:						
Hard coal	13 588	14 783	12 673	14 320	15 805	12 892
Crude oil and feedstocks	59 232	62 402	63 818	61 025	63 396	62 727
Petroleum products	51 024	56 066	62 447	71 895	64 668	69 573
Natural Gas	18 256	13 502	16 440	18 042	18 700	18 962
Electricity	1 789	1 840	2 037	2 351	1 990	2 147
Exports						
Total	108 075	118 157	120 269	131 755	126 324	133 208
among which:						
Crude oil and feedstocks	1 387	1 247	1 175	692	4 364	4 248
Petroleum products	66 730	71 760	76 222	84 345	73 804	78 947
Natural gas	34 460	38 362	37 381	39 173	39 895	44 231
Electricity	328	446	464	506	479	784
Gross inland consumption						
Total	81 910	83 775	82 488	80 577	85 544	83 668
among which:						
Solid fuels	8 821	9 261	8 190	7 926	8 455	8 057
Crude oil and petrol. prod.	32 498	32 997	33 527	32 674	38 103	34 909
Natural gas	36 001	36 755	35 334	34 310	33 352	34 777
Nuclear Energy	1 036	986	1 031	895	1 083	1 075
Renewables	2 093	2 381	2 832	2 927	3 040	3 486
Transformation input						
Total	109 335	111 556	111 946	107 100	83 141	83 412
among which:						
Crude oil and feedstocks	85 713	86 978	87 803	84 002	59 273	59 177
Natural gas	11 296	12 175	11 540	10 997	11 337	11 734
Petroleum products	644	641	691	578	445	591
Hard coal	7 597	7 472	7 120	7 117	7 430	6 939
Lignite and peat	-	-	-	-	-	-
Renewables	1 579	1 794	2 224	2 191	1 964	2 349
Transformation output						
Total	99 596	101 651	102 571	97 375	73 135	73 898
among which:						
Electricity	8 203	8 637	8 429	8 213	8 734	8 877
Heat	4 049	4 211	4 081	3 382	3 333	3 278

		NEDERLAND					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		52 057	52 904	51 645	50 934	49 677	51 187
<i>among which:</i>	Solid fuels	1 414	1 552	1 515	1 332	1 591	1 398
	Petroleum products	17 220	17 487	17 406	17 346	16 600	17 275
	Natural Gas	21 011	20 832	19 855	19 731	18 409	19 582
	Renewables	384	407	411	481	759	752
	Electricity	8 635	9 004	8 986	9 114	9 325	9 385
Final energy consumption by sector							
Industry							
Total		14 829	15 189	14 925	13 529	13 028	13 081
<i>among which:</i>	Solid fuels	1 386	1 518	1 482	1 304	1 545	1 379
	Petroleum Products	1 774	1 684	1 487	987	290	715
	Natural Gas	5 725	5 750	5 751	5 534	5 378	5 277
	Renewables	78	102	109	131	131	136
	Electricity	3 489	3 558	3 576	3 573	3 636	3 624
Transport							
Total		14 716	15 084	15 114	15 615	15 693	15 827
<i>among which:</i>	Motor spirit	4 402	4 373	4 309	4 383	4 263	4 364
	Diesel oil	6 368	6 594	6 604	6 950	6 878	6 898
	Jet fuel	3 334	3 560	3 670	3 700	3 725	3 767
	Electricity	136	142	138	138	135	139
Services & households etc.							
Total		22 512	22 631	21 605	21 791	20 956	22 279
<i>among which:</i>	Solid fuels	28	34	33	29	46	18
	Gas oil	722	687	801	793	947	1 008
	Natural Gas	15 286	15 083	14 103	14 197	13 031	14 305
	Renewables	306	306	303	309	317	329
	Electricity	5 010	5 304	5 272	5 402	5 554	5 622
	Heat	1 017	1 043	951	928	944	845

3.1 Electricity balance

	NEDERLAND					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	96 829	102 440	100 219	98 393	105 164	107 645
<i>among which:</i>						
Hydro	72	95	88	106	108	102
Wind	1 318	1 867	2 067	2 733	3 438	4 260
Geothermal	-	-	-	-	-	-
Nuclear	4 018	3 822	3 997	3 469	4 200	4 169
Conventional thermal	91 390	96 623	94 033	92 050	97 382	99 076
<i>of which:</i>						
Hard coal	26 571	24 947	23 500	23 737	24 917	23 469
Lignite and peat	-	-	-	-	-	-
Petroleum products	2 493	2 431	2 262	2 095	2 219	2 065
Natural gas	55 009	61 179	57 856	56 664	60 960	63 425
Derived gases	3 167	3 186	3 426	2 769	3 545	3 328
Biomass	3 898	4 676	6 729	6 638	5 565	6 642
Industrial wastes	252	204	260	147	176	147
Total net generation	92 973	98 409	96 171	94 427	100 853	103 376
Imports and exports						
Total imports	20 801	21 405	23 691	27 346	23 139	24 967
Total exports	3 809	5 188	5 398	5 887	5 565	9 116
Consumption and losses						
Consumption of the energy branch	9 109	9 538	9 532	9 325	9 660	9 692
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	4 282	4 404	4 473	4 533	4 626	4 659
Final energy consumption	100 430	104 715	104 507	105 994	108 452	109 145
<i>of which:</i>						
Industry	40 579	41 377	41 585	41 558	42 286	42 151
<i>among which:</i>						
Iron&steel industry	2 661	2 714	2 723	2 685	2 757	2 664
Non-ferrous metals	5 828	6 328	6 332	5 718	6 005	6 390
Chemical industry	11 949	12 173	12 346	12 624	13 075	12 633
Non-met. mineral prod.	1 476	1 430	1 438	1 446	1 513	1 555
Food, drink, tobacco	6 627	6 567	6 599	6 893	7 207	6 860
Pulp, paper and print	3 715	3 700	3 663	3 686	3 708	3 706
Engineering & metal	3 904	3 948	4 000	3 945	3 558	4 060
Other industries	3 294	3 473	3 468	3 569	3 584	3 590
Transport	1 584	1 648	1 608	1 608	1 573	1 612
Services & households etc.	58 267	61 690	61 314	62 828	64 593	65 382
<i>among which:</i>						
Households	23 329	23 531	24 232	24 833	24 294	24 798

3.2 Electrical capacity, fuel inputs and heat

		NEDERLAND					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	20 813	21 712	21 677	22 853	23 677	24 826
<i>by source:</i>							
Conventional thermal		19 421	20 153	19 967	20 748	21 382	22 130
<i>of which:</i>							
Steam		10 216	9 730	9 759	9 469	9 548	9 539
Gas turbine		1 138	1 195	1 193	1 287	1 278	1 278
Combined cycle		6 534	7 637	7 339	7 597	7 521	7 743
Internal combustion		1 533	1 591	1 676	2 395	3 035	3 490
Nuclear		449	449	449	510	510	510
Hydro		37	37	37	37	37	37
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		906	1 073	1 224	1 558	1 748	2 149
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		18 174	18 595	18 804	19 159	19 112	19 175
Autoproducers		2 752	3 238	2 996	3 818	4 690	5 780
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	19 246	20 101	19 614	18 920	19 299	19 721
<i>among which:</i>							
Hard coal		5 507	5 316	4 958	5 030	5 303	4 842
Lignite and peat		-	-	-	-	-	-
Petroleum products		644	641	691	578	445	591
Natural gas		11 057	11 916	11 277	10 772	11 092	11 493
Renewables		1 415	1 612	2 052	2 021	1 794	2 165
Heating plants		403	441	436	395	416	426
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		239	260	264	225	245	241
Renewables		164	182	172	170	171	184
Heat production and consumption							
Total heat production	1 000 toe	4 049	4 211	4 081	3 382	3 333	3 278
<i>among which: in heating plants</i>							
		339	369	376	341	360	365
Heat consumption		2 944	3 115	2 981	2 425	2 485	2 283
<i>of which: in industry</i>							
		1 927	2 071	2 030	1 497	1 541	1 438
<i>in households and services</i>							
		1 017	1 043	951	928	944	845
<i>among which: in households</i>							
		178	214	171	164	203	236

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	NEDERLAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	3 076	2 891	2 269	2 022	2 576	2 163
Total imports	57 312	60 382	61 730	59 210	61 968	61 267
Total exports	1 342	1 207	1 137	671	4 291	4 176
Stock changes	898	-5	-240	472	421	396
Refinery intake	83 351	84 561	85 341	81 817	57 937	57 798
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	21 920	23 968	26 777	25 228	22 125	20 190
Near and Middle East	18 474	16 730	16 060	13 923	10 238	8 625
Africa	4 281	2 974	6 607	6 115	9 244	10 241
<i>by country of origin:</i>						
Algeria	2 417	2 684	3 038	2 416	3 715	3 129
Irak	1 305	1 139	764	1 870	2 039	1 955
Iran	2 311	2 517	2 253	2 342	529	442
Kazakhstan	1 136	768	511	417	822	1 252
Kuwait	4 002	4 527	4 865	4 948	4 589	4 310
Libya	-	-	506	1 506	1 566	1 579
Mexico	-	-	-	47	360	309
Nigeria	1 293	94	1 635	1 808	1 593	1 990
Norway	8 428	9 312	6 868	4 789	4 539	4 430
Russia	11 665	16 324	16 933	18 690	16 975	16 235
Saudi Arabia	10 592	12 993	12 709	9 304	7 112	5 731
Syria	264	67	334	407	491	289
United Arab Emirates	-	14	-	-	-	6

4.2 Petroleum products

<i>in 1 000 t</i>	NEDERLAND					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	82 275	83 486	84 676	80 839	56 793	57 502
<i>among which:</i>						
Motor spirit	15 787	15 597	14 286	13 831	6 985	6 969
Kerosene and jet fuel	7 167	7 314	7 459	7 282	7 013	6 473
Naphtha	10 222	11 084	13 906	11 643	8 457	9 052
Gas/diesel oil	20 787	20 233	21 122	19 685	19 253	20 438
Residual fuel oil	12 333	13 073	12 394	12 151	9 526	8 647
Total imports	50 428	55 523	62 170	71 543	64 284	69 063
Total exports	65 562	70 587	75 138	83 139	72 818	77 751
Bunkers	13 965	15 159	17 442	18 053	16 463	15 877
Stock changes	-286	-826	-658	-415	573	-1 936
Gross inland consumption	-29 385	-31 048	-31 068	-30 064	-24 424	-26 501
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	-	-
United Kingdom	4 733	5 233	5 450	6 654	3 785	7 575
Russia	8 843	8 368	7 506	10 471	7 391	11 385
Norway	1 240	1 335	1 612	2 063	1 450	1 739
OPEC	2 027	2 207	2 584	2 820	2 591	3 077
Imports by product						
<i>among which:</i>						
Motor spirit	7 821	7 906	9 177	10 513	7 460	9 792
Kerosene and jet fuel	1 082	1 759	2 412	3 063	3 217	4 116
Gas/diesel oil	9 342	10 013	9 650	13 642	9 362	12 322
Residual fuel oil	14 086	15 453	22 395	23 914	24 570	24 139
Exports by product						
<i>among which:</i>						
Motor spirit	13 851	14 801	16 292	17 338	12 943	15 537
Kerosene and jet fuel	3 783	4 561	5 380	5 777	5 955	6 383
Gas/diesel oil	20 552	20 177	21 061	24 299	20 606	22 716
Residual fuel oil	11 344	13 230	17 069	17 733	18 019	16 801
Consumption						
Inputs to electricity plants						
Inputs to heating plants	598	588	634	518	401	526
Non-energy use	-	-	-	-	-	-
Final energy consumption	8 883	9 006	10 032	9 034	11 243	8 845
	16 518	16 794	16 731	16 742	16 103	16 798
Industry	1 547	1 468	1 286	870	275	724
<i>among which by product:</i>						
Gas/diesel oil	175	181	168	160	158	148
Residual fuel oil	21	19	18	22	24	25

	NEDERLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	4	4	4	3	5	3
Non-ferrous metals	-	0	-	-	-	100
Chemical industry	1 257	1 188	1 088	644	81	114
Non-met. mineral prod.	17	17	18	26	27	31
Food, drink, tobacco	10	8	16	12	15	4
Pulp, paper and print	1	1	-	-	1	-
Engineering & metal	104	91	17	11	16	341
Other industries	121	118	122	160	116	123
Transport	14 127	14 486	14 522	14 969	14 789	14 938
<i>among which:</i>						
Motor spirit	4 189	4 161	4 100	4 171	4 056	4 153
Jet fuel	3 246	3 466	3 573	3 603	3 627	3 668
Diesel oil	6 259	6 480	6 491	6 831	6 760	6 779
Services & households etc.	844	840	923	903	1 039	1 136
<i>among which:</i>						
Gas oil	710	675	787	779	931	991
Residual fuel oil	-	20	22	3	5	49
Stocks at end of period						
Crude oil and feedstocks	4 644	4 648	4 888	4 416	4 784	4 298
Petroleum products	7 298	8 124	8 783	9 197	8 146	9 996

5. Natural gas

<i>in TJ (GCV)</i>	NEDERLAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	2 428 905	2 864 924	2 617 457	2 576 941	2 532 697	2 786 225
Total imports	849 263	628 124	764 772	839 297	869 930	882 112
Total exports	1 603 074	1 784 604	1 738 945	1 822 334	1 855 921	2 057 637
Stock changes	-705	935	-35	-211	914	1 496
Gross inland consumption	1 674 769	1 709 863	1 643 745	1 596 098	1 551 531	1 617 835
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	341 092	230 012	391 970	462 978	479 543	441 911
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	147 714	168 816	158 265	172 067
Consumption						
Inputs to electricity plants	514 351	554 313	524 595	501 121	515 981	534 632
Inputs to heat plants	11 119	12 078	12 269	10 461	11 408	11 229
Consumption of energy branch	62 282	64 184	68 955	67 170	65 636	68 229
Distribution losses	-	-	-	-	-	-
Non-energy use	109 575	110 161	114 293	99 443	102 101	92 798
Industry	266 325	267 477	267 541	257 434	250 180	245 480
<i>among which:</i>						
Iron&steel industry	14 299	13 125	13 616	12 743	12 030	12 172
Non-ferrous metals	3 879	4 578	4 492	4 209	4 889	4 806
Chemical industry	89 515	92 473	95 312	90 335	87 806	85 685
Non-met. mineral prod.	25 253	25 397	25 817	25 356	26 499	26 210
Food, drink, tobacco	68 649	67 934	65 516	63 982	61 178	60 090
Pulp, paper and print	21 118	20 940	21 846	21 767	19 897	18 447
Engineering & metal	18 788	18 334	18 244	16 636	15 398	16 086
Other industries	13 498	14 113	13 729	13 523	13 529	14 224
Transport	-	-	-	34	34	34
Services & households etc.	711 117	701 650	656 092	660 435	606 191	665 460
<i>among which:</i>						
Households	372 802	367 526	349 942	342 907	308 617	330 598
Services	206 341	190 942	166 651	195 140	167 753	264 220

6.1 Hard coal

	NEDERLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	21 620	22 600	20 415	22 844	26 035	21 157
Total exports	7 295	9 291	7 374	9 858	11 882	7 528
Stock changes	-659	243	-32	-338	-708	-944
Gross inland consumption	13 666	13 552	13 009	12 648	13 445	12 685
Imports						
Imports by origin						
<i>among which:</i>						
Australia	2 537	1 400	1 517	1 827	1 757	835
Colombia	4 362	4 770	5 703	5 923	7 500	5 634
Russia	288	1 269	1 609	1 803	2 407	2 963
South Africa	8 159	7 943	6 084	6 430	6 825	4 418
USA	1 181	1 823	1 654	1 437	2 324	3 056
Consumption						
Inputs to electricity plants	9 212	8 876	8 267	8 229	8 675	8 219
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	1 364	1 492	1 550	1 344	1 654	1 393
<i>among which:</i>						
Iron&steel industry	1 334	1 473	1 527	1 324	1 593	1 353
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	1	1	1	1	1	1
Food, drink, tobacco	28	18	20	18	35	39
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	34	33	32	25	31	7

6.2 Coal derivatives and peat

		NEDERLAND					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		2 154	2 216	2 250	2 174	2 172	2 099
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		19 054	19 379	19 141	18 515	19 582	19 469
Blast-furnace gas		35 443	37 457	37 714	33 563	39 418	38 336
Gasworks gas		-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		789	680	598	553	599	619
	<i>among which:</i>						
Iron & steel industry		748	639	565	513	547	563
Services & households etc.		-	-	-	-	-	-
Patent Fuel		1	-	-	2	-	7
	<i>among which:</i>						
Services & households etc.		1	-	-	2	-	7
Lignite and peat		39	45	50	35	58	25
	<i>among which:</i>						
Industry		26	23	28	14	7	7
Services & households etc.		13	22	22	21	51	18
Brown coal briquettes		-	-	-	-	-	-
	<i>among which:</i>						
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		7 795	9 758	9 080	9 488	9 830	9 467
Blast-furnace gas		11 800	12 437	12 386	12 536	12 388	12 950
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		26 378	25 986	26 809	21 846	28 134	26 658
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		8 524	8 655	8 580	8 208	8 648	8 730
Consumption in industry		19 595	22 195	21 466	22 024	22 218	22 417

7. Renewable energy sources

		NEDERLAND					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	2 290	2 456	2 538	2 672	2 791	3 135
Hydro (excl. pumping)		6	8	8	9	9	9
Wind		113	161	178	235	296	366
Solar		19	20	22	22	23	24
Geothermal		-	-	-	-	-	2
Biomass		2 152	2 266	2 331	2 405	2 463	2 733
	<i>among which:</i>						
Wood, wood-waste		750	798	786	810	784	897
Municipal solid waste		1 273	1 325	1 355	1 324	1 386	1 489
Biogas		129	126	122	141	173	226
Gross inland consumption		2 093	2 381	2 832	2 927	3 040	3 486
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		1 579	1 794	2 224	2 191	1 964	2 349
	<i>among which:</i>						
Wood, wood-waste		242	326	483	423	443	617
Municipal waste		1 273	1 325	1 355	1 324	1 386	1 489
Biogas		63	58	58	75	109	152
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	384	407	411	481	759	752
	<i>by sector:</i>						
Industry		78	102	109	131	131	136
Services & households etc.		306	306	303	309	317	329
Transport		-	-	-	41	311	287
	<i>by source:</i>						
Biomass		368	390	393	462	739	729
	<i>among which:</i>						
Wood, wood-waste		302	312	318	329	332	335
Municipal waste		-	-	-	-	-	-
Biogas		66	68	64	66	65	74
Geothermal		-	-	-	-	-	2
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		31	33	34	35	36	38
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		72	95	88	106	107	102
Wood, Wood-waste		1 010	1 836	2 247	1 840	1 970	2 563
Municipal waste		2 606	2 550	2 738	2 777	2 960	2 922
Biogas		313	290	294	361	511	733

		NEDERLAND					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		46	49	51	52	53	57
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		37	37	37	37	37	37
Wood, Wood-waste		160	439	343	299	324	405
Municipal waste		400	400	429	429	506	506
Biogas		65	61	67	89	124	167
Liquid biofuels							
Production	<i>1000 t</i>	-	23	78	149	139	140
Solar Panels							
Solar panel surface	<i>1000 m²</i>	524	582	620	646	673	704

1. Energy economy

Key figures and energy indicators

		ÖSTERREICH					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	9 335	9 632	9 736	9 800	10 570	10 610
Net energy imports		23 100	23 383	24 674	24 973	23 296	23 628
Net oil imports		13 267	13 483	13 298	13 726	12 782	12 497
Net gas imports		5 948	5 853	7 203	6 541	5 651	6 518
Gross inland energy consumption		32 693	33 251	34 582	34 303	33 878	33 895
Final energy consumption		26 437	26 563	27 937	27 147	26 918	26 984
Industry		7 395	7 446	8 367	8 628	8 840	8 831
Transport		8 465	8 754	8 997	8 712	8 859	8 426
Services and households etc.		10 577	10 363	10 573	9 807	9 219	9 727
Gross electricity generation	<i>GWh</i>	60 166	64 136	66 590	63 540	64 769	67 101
Final electricity consumption		54 732	55 784	57 864	58 119	59 344	59 405
Socio-economic statistics							
Population	<i>1000 per.</i>	8 100	8 143	8 201	8 254	8 283	8 319
Total imports (current prices)	<i>Mio EUR</i>	100 683	111 970	122 399	132 959	145 455	151 364
among which:							
All energy commodities		6 462	8 086	11 782	11 750	11 154	14 345
Oil products		3 527	4 554	6 117	7 382	7 164	9 071
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	4 036	4 084	4 217	4 156	4 090	4 075
Final energy consumption / capita		3 264	3 262	3 406	3 289	3 250	3 244
Household consumption / capita		833	802	863	811	764	780
Final electricity consumption / capita	<i>kWh/cap.</i>	6 757	6 851	7 055	7 041	7 165	7 141
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	70.7	70.3	71.4	72.8	68.8	69.7
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	80.9	79.9	80.8	79.1	79.5	79.6
Efficiency of thermal power stations		58.2	57.1	57.3	57.2	58.2	59.2

2. Energy balance

Principal aggregates by product

in 1 000 toe	ÖSTERREICH					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	9 335	9 632	9 736	9 800	10 570	10 610
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	270	55	0	0	0	0
Crude oil	1 029	1 080	983	1 004	1 003	1 001
Natural Gas	1 776	1 667	1 403	1 564	1 589	1 317
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	2 827	3 132	3 120	2 966	3 153	3 263
Biomass	3 289	3 498	3 988	3 979	4 509	4 699
Imports						
Total	26 883	27 906	29 562	30 595	29 699	29 621
<i>among which:</i> Hard coal	2 718	3 096	2 997	2 856	3 066	2 832
Crude oil and feedstocks	8 331	7 924	8 254	8 372	8 117	8 385
Petroleum products	6 377	7 180	7 230	7 063	6 739	6 557
Natural Gas	6 820	7 123	8 030	8 807	8 160	8 306
Electricity	1 634	1 430	1 754	1 828	1 903	1 702
Exports						
Total	3 784	4 523	4 888	5 622	6 404	5 992
<i>among which:</i> Crude oil and feedstocks	25	5	29	15	19	23
Petroleum products	1 415	1 615	2 157	1 694	2 055	2 421
Natural gas	872	1 270	827	2 267	2 509	1 789
Electricity	1 151	1 165	1 525	1 239	1 334	1 284
Gross inland consumption						
Total	32 693	33 251	34 582	34 303	33 878	33 895
<i>among which:</i> Solid fuels	4 073	4 057	4 007	4 028	3 809	3 624
Crude oil and petrol. prod.	14 100	14 401	14 516	14 248	13 950	13 370
Natural gas	7 554	7 465	8 178	7 458	6 979	7 472
Nuclear Energy	-	-	-	-	-	-
Renewables	6 160	6 673	7 307	7 614	8 216	8 573
Transformation input						
Total	16 872	16 920	17 632	17 414	17 231	17 603
<i>among which:</i> Crude oil and feedstocks	9 284	9 004	9 374	9 209	9 248	9 398
Natural gas	2 347	2 305	2 750	2 370	2 160	2 373
Petroleum products	344	355	334	369	234	210
Hard coal	2 715	2 781	2 576	2 650	2 645	2 453
Lignite and peat	333	230	253	149	-	-
Renewables	847	1 148	1 246	1 514	1 726	1 892
Transformation output						
Total	14 479	14 370	14 945	14 788	14 718	15 124
<i>among which:</i> Electricity	2 106	2 083	2 261	2 106	2 025	2 096
Heat	1 269	1 383	1 434	1 529	1 526	1 618

		ÖSTERREICH					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		26 437	26 563	27 937	27 147	26 918	26 984
<i>among which:</i>	Solid fuels	1 337	1 312	1 470	1 440	1 382	1 335
	Petroleum products	11 620	11 772	12 083	11 407	11 145	10 800
	Natural Gas	4 473	4 407	4 638	4 214	4 036	4 219
	Renewables	2 452	2 310	2 824	2 981	3 158	3 240
	Electricity	4 706	4 797	4 975	4 997	5 103	5 108
Final energy consumption by sector							
Industry							
Total		7 395	7 446	8 367	8 628	8 840	8 831
<i>among which:</i>	Solid fuels	1 153	1 155	1 337	1 319	1 287	1 234
	Petroleum Products	699	761	898	983	1 001	978
	Natural Gas	2 253	2 126	2 414	2 349	2 386	2 452
	Renewables	625	566	771	791	897	827
	Electricity	1 857	2 003	2 155	2 294	2 397	2 357
Transport							
Total		8 465	8 754	8 997	8 712	8 859	8 426
<i>among which:</i>	Motor spirit	2 308	2 270	2 184	2 109	2 022	1 742
	Diesel oil	5 349	5 584	5 804	5 344	5 471	5 233
	Jet fuel	507	598	675	705	746	749
	Electricity	263	265	266	263	262	262
Services & households etc.							
Total		10 577	10 363	10 573	9 807	9 219	9 727
<i>among which:</i>	Solid fuels	184	157	133	121	95	101
	Gas oil	2 130	2 023	2 138	1 905	1 653	1 869
	Natural Gas	2 220	2 282	2 224	1 865	1 649	1 766
	Renewables	1 808	1 728	2 004	1 917	1 923	1 993
	Electricity	2 587	2 528	2 554	2 441	2 444	2 489
	Heat	1 025	1 112	1 139	1 198	1 203	1 283

3.1 Electricity balance

	ÖSTERREICH					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	60 166	64 136	66 590	63 540	64 769	67 101
<i>among which:</i>						
Hydro	35 292	38 966	39 019	37 277	39 163	40 678
Wind	366	924	1 328	1 752	2 036	2 014
Geothermal	3	2	2	3	2	2
Nuclear	-	-	-	-	-	-
Conventional thermal	24 490	24 226	26 220	24 486	23 544	24 379
<i>of which:</i>						
Hard coal	6 933	6 906	6 071	6 381	6 264	5 524
Lignite and peat	1 512	999	1 096	651	-	-
Petroleum products	1 860	1 818	1 641	1 641	1 280	1 243
Natural gas	11 089	10 944	13 011	10 670	9 909	11 204
Derived gases	992	1 205	1 321	1 318	1 328	1 374
Biomass	1 921	2 102	2 822	3 502	4 473	4 628
Industrial wastes	183	252	258	323	290	406
Total net generation	56 646	60 461	63 214	59 457	60 594	62 765
Imports and exports						
Total imports	19 002	16 629	20 397	21 257	22 130	19 796
Total exports	13 389	13 548	17 732	14 407	15 511	14 933
Consumption and losses						
Consumption of the energy branch	5 341	5 467	5 289	6 137	6 076	6 378
<i>of which:</i>						
Consumption for pumped-storage	502	500	538	547	491	537
Network losses	3 292	3 423	3 434	3 348	3 476	3 449
Final energy consumption	54 732	55 784	57 864	58 119	59 344	59 405
<i>of which:</i>						
Industry	21 598	23 292	25 064	26 674	27 873	27 415
<i>among which:</i>						
Iron&steel industry	2 683	3 095	3 440	3 503	3 773	3 515
Non-ferrous metals	700	767	794	830	966	1 026
Chemical industry	3 340	3 542	3 534	3 677	3 850	3 895
Non-met. mineral prod.	1 916	1 800	1 934	2 005	2 052	2 119
Food, drink, tobacco	1 322	1 443	1 643	1 896	1 865	1 793
Pulp, paper and print	4 541	4 909	4 969	4 981	5 048	4 848
Engineering & metal	3 030	3 519	3 870	4 203	4 509	4 769
Other industries	2 786	2 923	3 608	4 248	4 474	4 178
Transport	3 053	3 087	3 094	3 056	3 045	3 046
Services & households etc.	30 081	29 405	29 706	28 389	28 426	28 944
<i>among which:</i>						
Households	16 895	16 769	17 070	17 007	16 822	16 967

3.2 Electrical capacity, fuel inputs and heat

		ÖSTERREICH					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	18 501	18 991	19 119	19 342	19 404	20 748
<i>by source:</i>							
Conventional thermal		6 283	6 536	6 456	6 505	6 280	7 247
<i>of which:</i>							
Steam		4 069	3 898	3 786	4 052	3 768	3 498
Gas turbine		257	460	505	505	518	517
Combined cycle		1 850	1 750	1 677	1 737	1 689	2 941
Internal combustion		107	151	211	211	305	291
Nuclear		-	-	-	-	-	-
Hydro		11 875	11 895	11 836	11 868	12 145	12 504
<i>among which:</i>							
Pumped storage		3 902	3 929	3 929	3 929	3 929	4 285
Wind		343	560	827	969	977	996
Geothermal		-	-	-	-	2	1
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		16 787	17 257	17 388	17 610	17 624	18 882
Autoproducers		1 729	1 753	1 753	1 767	1 815	1 915
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	5 017	5 320	5 624	5 495	5 277	5 398
<i>among which:</i>							
Hard coal		1 397	1 459	1 257	1 337	1 325	1 160
Lignite and peat		333	230	253	149	-	-
Petroleum products		311	290	265	292	174	164
Natural gas		2 151	2 133	2 534	2 185	2 014	2 135
Renewables		502	817	906	1 148	1 335	1 489
Heating plants		573	567	626	628	598	688
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		34	64	69	78	60	47
Natural gas		196	172	216	185	146	239
Renewables		344	331	341	366	391	403
Heat production and consumption							
Total heat production	1 000 toe	1 269	1 383	1 434	1 529	1 526	1 618
<i>among which: in heating plants</i>							
		456	430	471	494	479	520
Heat consumption		1 168	1 269	1 316	1 403	1 400	1 485
<i>of which: in industry</i>							
		143	157	177	204	198	202
<i>in households and services</i>							
		1 025	1 112	1 139	1 198	1 203	1 283
<i>among which: in households</i>							
		589	569	662	661	645	666

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	ÖSTERREICH					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	1 011	1 061	965	983	982	980
Total imports	8 189	7 786	8 100	8 202	7 946	8 211
Total exports	25	5	29	15	19	23
Stock changes	-119	20	177	-140	73	6
Refinery intake	9 126	8 848	9 199	9 021	9 053	9 204
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	4 111	3 766	3 214	3 907	4 626	5 081
Near and Middle East	2 298	2 079	1 819	1 904	2 690	2 402
Africa	2 636	1 899	1 738	2 782	2 566	2 450
<i>by country of origin:</i>						
Algeria	294	251	21	304	442	1 104
Irak	170	200	-	144	920	1 481
Iran	-	223	525	332	529	262
Kazakhstan	973	1 728	1 534	1 567	1 832	1 976
Kuwait	128	-	-	-	-	-
Libya	841	946	321	1 137	1 730	839
Mexico	-	-	-	-	-	-
Nigeria	1 108	641	1 218	1 179	265	339
Norway	-	-	-	-	-	-
Russia	1 461	1 172	2 204	1 219	241	232
Saudi Arabia	1 570	1 505	1 129	811	571	457
Syria	558	151	165	617	670	202
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	ÖSTERREICH					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	9 035	8 814	9 180	8 988	8 962	9 165
<i>among which:</i>						
Motor spirit	1 811	1 738	1 798	1 615	1 667	1 595
Kerosene and jet fuel	447	456	593	539	605	480
Naphtha	740	863	637	913	937	909
Gas/diesel oil	3 849	3 529	3 893	3 684	3 461	3 945
Residual fuel oil	1 062	1 032	1 009	915	880	769
Total imports	6 304	7 097	7 130	6 964	6 637	6 466
Total exports	1 395	1 587	2 118	1 658	2 012	2 381
Bunkers	-	-	-	-	-	-
Stock changes	-76	-201	52	-330	66	-132
Gross inland consumption	4 836	5 322	5 067	4 976	4 693	3 956
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	43	32	50	61	22	11
United Kingdom	11	-	18	-	3	1
Russia	17	10	8	15	2	3
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	879	1 043	1 090	959	884	719
Kerosene and jet fuel	56	142	94	199	166	261
Gas/diesel oil	4 351	4 883	5 031	4 817	4 812	4 709
Residual fuel oil	328	306	182	199	183	185
Exports by product						
<i>among which:</i>						
Motor spirit	474	614	767	562	648	664
Kerosene and jet fuel	7	7	5	4	4	6
Gas/diesel oil	539	580	909	615	944	1 031
Residual fuel oil	55	55	72	58	37	148
Consumption						
Inputs to electricity plants						
Inputs to heating plants	325	304	277	305	182	171
Non-energy use	35	67	72	81	63	49
Final energy consumption	1 413	1 515	1 351	1 541	1 495	1 416
	11 400	11 553	11 847	11 178	10 918	10 585
Industry	724	796	925	1 003	1 018	994
<i>among which by product:</i>						
Gas/diesel oil	232	251	345	428	437	460
Residual fuel oil	384	416	478	487	496	441

		ÖSTERREICH					
<i>in 1 000 t</i>		2003	2004	2005	2006	2007	2008
Industry							
<i>among which by sector:</i>							
	Iron&steel industry	165	212	249	243	279	254
	Non-ferrous metals	13	12	11	11	10	8
	Chemical industry	12	13	13	13	15	16
	Non-met. mineral prod.	120	144	118	101	102	118
	Food, drink, tobacco	54	51	61	75	64	56
	Pulp, paper and print	44	33	42	40	34	24
	Engineering & metal	52	50	58	63	57	55
	Other industries	236	255	341	422	432	451
Transport		7 964	8 248	8 457	7 963	8 044	7 548
<i>among which:</i>							
	Motor spirit	2 196	2 160	2 078	2 007	1 924	1 658
	Jet fuel	494	582	657	686	726	729
	Diesel oil	5 257	5 488	5 704	5 252	5 377	5 143
Services & households etc.		2 712	2 509	2 465	2 212	1 856	2 043
<i>among which:</i>							
	Gas oil	2 093	1 988	2 101	1 872	1 625	1 837
	Residual fuel oil	495	391	244	221	138	123
Stocks at end of period							
	Crude oil and feedstocks	1 750	1 730	1 588	1 733	1 660	1 654
	Petroleum products	1 396	1 774	1 739	1 873	1 970	2 111

5. Natural gas

<i>in TJ (GCV)</i>	ÖSTERREICH					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	82 603	77 550	65 281	72 756	73 899	61 262
Total imports	317 283	331 352	373 543	409 720	379 607	386 405
Total exports	40 567	59 069	38 463	105 443	116 704	83 203
Stock changes	-7 889	-2 568	-19 898	-30 104	-12 122	-16 870
Gross inland consumption	351 430	347 265	380 463	346 929	324 680	347 594
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	39 840	37 566	43 724	50 875	56 674	53 635
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	239 367	241 615	264 523	244 176	216 419	242 296
Consumption						
Inputs to electricity plants	100 070	99 243	117 880	101 644	93 678	99 304
Inputs to heat plants	9 103	7 986	10 054	8 608	6 806	11 108
Consumption of energy branch	21 665	23 620	24 811	27 901	25 220	28 466
Distribution losses	92	87	91	91	92	96
Non-energy use	12 406	11 278	11 874	12 663	11 127	12 371
Industry	104 830	98 885	112 300	109 264	111 000	114 062
<i>among which:</i>						
Iron&steel industry	15 382	15 079	17 819	18 067	17 194	16 662
Non-ferrous metals	3 233	3 255	3 461	3 500	4 595	5 203
Chemical industry	14 938	13 633	18 076	16 223	16 189	17 455
Non-met. mineral prod.	14 669	14 483	16 637	14 903	15 974	16 644
Food, drink, tobacco	12 549	11 465	12 606	12 353	12 176	12 696
Pulp, paper and print	25 712	22 444	22 795	21 795	22 217	21 970
Engineering & metal	7 475	8 338	9 567	10 005	9 966	9 761
Other industries	5 616	5 179	7 281	7 180	7 115	7 969
Transport	-	-	-	-	49	50
Services & households etc.	103 263	106 139	103 455	86 758	76 705	82 137
<i>among which:</i>						
Households	58 995	56 403	60 401	55 960	53 557	54 656
Services	43 599	49 097	42 369	30 164	22 541	26 862

6.1 Hard coal

<i>in 1 000 t</i>	ÖSTERREICH					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	4 030	4 511	4 405	4 199	4 506	4 143
Total exports	-	21	3	-	4	2
Stock changes	350	-97	-283	120	-236	-224
Gross inland consumption	4 380	4 393	4 119	4 319	4 266	3 917
Imports						
Imports by origin						
<i>among which:</i>						
Australia	3	8	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	-	80	31	-	-	-
South Africa	-	5	10	-	-	-
USA	1	-	501	292	405	510
Consumption						
Inputs to electricity plants	2 130	2 148	1 886	2 001	1 977	1 736
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	287	281	276	374	357	301
<i>among which:</i>						
Iron&steel industry	-	-	3	5	5	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	67	61	35	29	22	19
Non-met. mineral prod.	146	137	151	218	233	220
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	74	83	87	121	97	60
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	62	59	57	51	30	16

6.2 Coal derivatives and peat

		ÖSTERREICH					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		1 395	1 400	1 388	1 398	1 424	1 410
Patent Fuel		-	-	-	-	-	-
Lignite and peat		1 153	236	1	1	1	1
Brown coal briquettes		-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		10 722	10 911	9 871	9 682	9 524	9 903
Blast-furnace gas		28 463	29 577	28 902	32 217	33 031	34 556
Gasworks gas		-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		1 502	1 454	1 722	1 646	1 587	1 483
	<i>among which:</i>						
	Iron & steel industry	1 321	1 308	1 571	1 530	1 493	1 384
	Services & households etc.	147	121	99	92	72	75
Patent Fuel		2	1	1	1	9	50
	<i>among which:</i>						
	Services & households etc.	2	1	1	1	9	26
Lignite and peat		107	109	73	19	18	8
	<i>among which:</i>						
	Industry	71	79	61	10	13	5
	Services & households etc.	36	30	12	9	5	3
Brown coal briquettes		72	59	51	47	39	41
	<i>among which:</i>						
	Industry	-	-	-	-	-	-
	Services & households etc.	72	59	51	47	39	41
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		3 616	2 946	2 527	2 744	2 744	3 058
Blast-furnace gas		14 561	13 201	12 643	14 545	14 838	17 050
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		10 837	13 564	14 426	13 509	15 041	14 391
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		8 348	8 607	7 818	7 683	7 468	7 490
Consumption in industry		18 177	16 147	15 170	17 289	17 582	20 108

7. Renewable energy sources

		ÖSTERREICH					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	6 260	6 830	7 349	7 232	7 978	8 292
Hydro (excl. pumping)		2 827	3 132	3 120	2 966	3 153	3 263
Wind		31	79	114	151	175	173
Solar		80	87	93	101	109	118
Geothermal		33	34	35	35	32	39
Biomass		3 289	3 498	3 988	3 979	4 509	4 699
	<i>among which:</i>						
Wood, wood-waste		3 101	3 239	3 559	3 407	3 782	3 966
Municipal solid waste		140	200	194	264	249	207
Biogas		26	29	192	168	217	248
Gross inland consumption		6 160	6 673	7 307	7 614	8 216	8 573
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		27	28	29	29	27	33
Biomass		819	1 120	1 217	1 484	1 699	1 859
	<i>among which:</i>						
Wood, wood-waste		660	887	812	1 023	1 203	1 390
Municipal waste		140	200	194	264	249	207
Biogas		19	20	184	162	207	239
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	2 452	2 310	2 824	2 981	3 158	3 240
	<i>by sector:</i>						
Industry		625	566	771	791	897	827
Services & households etc.		1 808	1 728	2 004	1 917	1 923	1 993
Transport		19	17	49	272	339	419
	<i>by source:</i>						
Biomass		2 367	2 220	2 728	2 876	3 046	3 118
	<i>among which:</i>						
Wood, wood-waste		2 338	2 193	2 669	2 596	2 695	2 688
Municipal waste		-	-	-	-	-	-
Biogas		8	9	8	5	10	9
Geothermal		6	6	6	6	6	6
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		15	18	21	22	24	28
Hydro with installed capacity < 1 MW		955	564	957	774	1 514	1 637
Hydro with installed capacity > 1 & <10 MW		1 726	3 228	3 042	3 157	3 415	3 179
Hydro with installed capacity > 10 MW		30 197	32 631	32 282	33 347	31 742	33 129
Wood, Wood-waste		1 687	1 700	1 931	2 541	3 062	3 259
Municipal waste		184	344	337	513	505	364
Biogas		50	58	554	448	831	969

		ÖSTERREICH					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		15	19	22	35	35	49
Hydro with installed capacity < 1 MW		459	442	328	339	455	454
Hydro with installed capacity > 1 & <10 MW		605	615	672	694	720	725
Hydro with installed capacity > 10 MW		6 909	6 909	6 907	6 906	7 041	7 040
Wood, Wood-waste		766	766	766	766	1 699	2 024
Municipal waste		364	364	364	364	432	431
Biogas		-	-	-	-	92	121
Liquid biofuels							
Production	<i>1000 t</i>	24	42	66	182	326	350
Solar Panels							
Solar panel surface	<i>1000 m²</i>	2 699	2 863	3 083	3 351	3 622	3 964

1. Energy economy

Key figures and energy indicators

		POLSKA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	78 703	77 952	77 720	76 845	71 792	70 445
Net energy imports		11 935	13 345	16 396	19 485	24 813	30 095
Net oil imports		20 088	21 053	21 932	23 948	25 617	24 565
Net gas imports		7 499	8 119	8 531	8 899	8 249	9 125
Gross inland energy consumption		91 840	92 239	93 397	98 054	97 790	98 755
Final energy consumption		56 061	57 455	57 766	60 755	61 245	61 816
Industry		17 252	17 809	16 413	17 272	17 865	16 560
Transport		10 214	11 321	12 085	13 432	14 755	15 841
Services and households etc.		28 595	28 325	29 269	30 051	28 625	29 415
Gross electricity generation	GWh	151 631	154 159	156 936	161 742	159 348	156 177
Final electricity consumption		100 816	104 277	104 997	110 647	114 117	117 470
Socio-economic statistics							
Population	1000 per.	38 219	38 191	38 174	38 157	38 126	38 116
Total imports (current prices)	Mio EUR	69 001	81 374	92 455	114 717	135 541	157 393
among which:							
All energy commodities		:	4 836	9 411	10 528	12 005	16 023
Oil products		:	3 530	6 883	9 164	10 338	13 396
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	2 403	2 415	2 447	2 570	2 565	2 591
Final energy consumption / capita		1 467	1 504	1 513	1 592	1 606	1 622
Household consumption / capita		469	462	482	508	482	485
Final electricity consumption / capita	kWh/cap.	2 638	2 730	2 750	2 900	2 993	3 082
Energy dependency							
Net energy imports / Gross consumption	in %	13.0	14.4	17.5	19.8	25.3	30.4
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	61.0	62.3	61.8	62.0	62.6	62.6
Efficiency of thermal power stations		48.1	48.0	48.3	47.8	47.4	47.5

2. Energy balance

Principal aggregates by product

in 1 000 toe	POLSKA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	78 703	77 952	77 720	76 845	71 792	70 445
<i>among which:</i> Hard coal	57 808	55 881	55 685	54 512	50 058	47 809
Lignite and peat	12 355	12 924	12 736	12 594	11 934	12 727
Crude oil	771	894	857	804	726	762
Natural Gas	3 611	3 927	3 884	3 880	3 897	3 690
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	144	179	189	176	202	185
Biomass	3 996	4 126	4 346	4 844	4 919	5 186
Imports						
Total	31 811	33 632	36 022	39 753	41 797	44 365
<i>among which:</i> Hard coal	1 592	1 493	2 047	3 257	3 742	6 416
Crude oil and feedstocks	17 790	17 838	18 478	20 911	22 138	21 993
Petroleum products	4 444	5 534	6 393	6 126	6 833	5 833
Natural Gas	7 537	8 157	8 567	8 937	8 285	9 156
Electricity	429	457	430	412	667	729
Exports						
Total	19 876	20 287	19 627	20 268	16 984	14 269
<i>among which:</i> Crude oil and feedstocks	162	139	218	285	290	249
Petroleum products	1 984	2 179	2 720	2 803	3 064	3 012
Natural gas	38	38	36	38	36	32
Electricity	1 302	1 256	1 392	1 356	1 127	834
Gross inland consumption						
Total	91 840	92 239	93 397	98 054	97 790	98 755
<i>among which:</i> Solid fuels	56 172	54 198	54 665	56 928	55 412	54 929
Crude oil and petrol. prod.	20 624	22 153	22 509	24 130	24 809	25 221
Natural gas	11 261	11 881	12 235	12 373	12 377	12 547
Nuclear Energy	-	-	-	-	-	-
Renewables	4 156	4 325	4 498	4 987	5 150	5 615
Transformation input						
Total	70 856	71 310	69 821	75 248	75 260	73 817
<i>among which:</i> Crude oil and feedstocks	18 563	19 440	19 684	22 498	22 856	22 935
Natural gas	1 087	1 282	1 362	1 261	1 186	1 235
Petroleum products	342	277	233	221	194	198
Hard coal	36 890	36 259	34 140	36 622	36 766	34 494
Lignite and peat	12 378	12 283	12 754	12 578	11 970	12 338
Renewables	156	244	461	554	663	995
Transformation output						
Total	49 145	49 791	48 130	52 360	52 895	52 221
<i>among which:</i> Electricity	12 744	12 926	13 158	13 626	13 404	13 121
Heat	8 795	8 261	8 138	8 150	7 667	7 468

		POLSKA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		56 061	57 455	57 766	60 755	61 245	61 816
<i>among which:</i>	Solid fuels	11 607	11 437	11 443	12 452	11 914	12 245
	Petroleum products	16 172	17 284	17 687	18 314	19 240	19 635
	Natural Gas	7 088	7 413	7 715	7 790	7 840	7 907
	Renewables	3 842	3 890	3 836	4 237	4 174	4 361
	Electricity	8 669	8 966	9 028	9 514	9 812	10 101
Final energy consumption by sector							
Industry							
Total		17 252	17 809	16 413	17 272	17 865	16 560
<i>among which:</i>	Solid fuels	5 694	5 738	4 858	4 801	5 025	4 864
	Petroleum Products	1 783	1 765	1 617	1 547	1 408	1 277
	Natural Gas	2 409	2 705	2 785	2 940	3 080	3 033
	Renewables	729	764	760	1 038	1 100	826
	Electricity	3 456	3 648	3 553	3 682	3 937	3 805
Transport							
Total		10 214	11 321	12 085	13 432	14 755	15 841
<i>among which:</i>	Motor spirit	4 279	4 318	4 147	4 254	4 249	4 197
	Diesel oil	4 059	4 932	5 615	6 525	7 824	8 506
	Jet fuel	287	281	319	426	444	533
	Electricity	378	335	307	269	282	274
Services & households etc.							
Total		28 595	28 325	29 269	30 051	28 625	29 415
<i>among which:</i>	Solid fuels	5 912	5 699	6 584	7 651	6 889	7 381
	Gas oil	3 444	3 562	3 369	2 946	2 681	2 537
	Natural Gas	4 679	4 708	4 930	4 850	4 761	4 873
	Renewables	3 078	3 109	3 028	3 108	3 041	3 094
	Electricity	4 835	4 983	5 169	5 563	5 594	6 021
	Heat	5 497	5 271	5 214	5 183	4 946	4 811

3.1 Electricity balance

	POLSKA					
	2003	2004	2005	2006	2007	2008
	<i>in GWh</i>					
Generation						
Total gross generation	151 631	154 159	156 936	161 742	159 348	156 177
<i>among which:</i>						
Hydro	3 293	3 691	3 778	3 020	2 939	2 747
Wind	124	142	135	256	522	837
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	148 214	150 326	153 023	158 466	155 887	152 593
<i>of which:</i>						
Hard coal	84 720	85 559	84 772	90 910	90 807	83 914
Lignite and peat	55 938	56 050	58 909	57 699	54 762	57 262
Petroleum products	2 456	2 507	2 385	2 441	2 304	2 323
Natural gas	2 425	3 144	3 570	3 111	3 062	3 166
Derived gases	1 934	1 885	1 484	1 913	2 062	2 193
Biomass	454	850	1 830	2 011	2 556	3 459
Industrial wastes	287	331	73	381	334	276
Total net generation	138 367	140 763	143 601	147 661	145 383	142 561
Imports and exports						
Total imports	4 985	5 312	5 002	4 789	7 761	8 480
Total exports	15 146	14 605	16 188	15 775	13 109	9 703
Consumption and losses						
Consumption of the energy branch	24 572	24 549	24 613	25 110	24 880	24 204
<i>of which:</i>						
Consumption for pumped-storage	662	658	630	421	301	295
Network losses	14 460	14 431	14 563	14 021	14 416	12 685
Final energy consumption	100 816	104 277	104 997	110 647	114 117	117 470
<i>of which:</i>						
Industry	40 189	42 424	41 317	42 824	45 787	44 255
<i>among which:</i>						
Iron&steel industry	6 148	7 210	5 929	6 269	7 019	6 741
Non-ferrous metals	3 511	3 563	3 484	3 565	3 526	2 962
Chemical industry	8 575	8 674	8 307	8 859	8 873	8 468
Non-met. mineral prod.	3 148	3 450	3 480	3 698	4 195	4 087
Food, drink, tobacco	4 259	4 319	4 442	4 493	5 073	5 061
Pulp, paper and print	3 004	2 950	3 119	3 172	3 271	3 194
Engineering & metal	4 945	5 115	5 471	5 807	6 306	6 241
Other industries	4 172	4 636	4 746	4 671	5 167	5 298
Transport	4 391	3 897	3 570	3 124	3 276	3 188
Services & households etc.	56 236	57 956	60 110	64 699	65 054	70 027
<i>among which:</i>						
Households	24 852	25 476	25 253	26 467	26 369	27 115

3.2 Electrical capacity, fuel inputs and heat

		POLSKA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	31 642	31 888	32 257	32 360	32 497	32 677
<i>by source:</i>							
Conventional thermal		29 334	29 566	29 815	29 857	29 863	29 816
<i>of which:</i>							
Steam		28 754	28 786	28 998	29 038	29 022	28 924
Gas turbine		44	52	85	86	53	53
Combined cycle		516	705	705	705	756	754
Internal combustion		20	23	27	28	32	84
Nuclear		-	-	-	-	-	-
Hydro		2 273	2 282	2 321	2 331	2 328	2 335
<i>among which:</i>							
Pumped storage		1 406	1 406	1 406	1 406	1 406	1 406
Wind		35	40	121	172	306	526
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		29 572	29 822	30 203	30 323	30 554	31 094
Autoproducers		2 070	2 066	2 054	2 037	1 943	1 583
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	37 717	37 827	38 149	39 522	38 824	37 725
<i>among which:</i>							
Hard coal		23 613	23 536	23 195	24 575	24 425	22 454
Lignite and peat		12 371	12 276	12 747	12 571	11 963	12 331
Petroleum products		203	204	179	168	160	163
Natural gas		787	970	1 069	964	940	981
Renewables		130	208	422	511	622	945
Heating plants		4 076	3 602	3 453	3 430	3 151	3 143
<i>among which:</i>							
Hard coal		3 560	3 133	3 026	3 002	2 805	2 784
Lignite and peat		7	7	7	7	7	7
Petroleum products		135	70	51	49	31	32
Natural gas		299	312	293	297	246	254
Renewables		26	35	40	43	41	51
Heat production and consumption							
Total heat production	1 000 toe	8 795	8 261	8 138	8 150	7 667	7 468
<i>among which: in heating plants</i>							
		3 411	3 024	2 884	2 874	2 669	2 673
Heat consumption		7 390	7 166	7 056	7 179	6 944	6 387
<i>of which: in industry</i>							
		1 893	1 895	1 842	1 996	1 998	1 576
<i>in households and services</i>							
		5 497	5 271	5 214	5 183	4 946	4 811
<i>among which: in households</i>							
		4 777	4 586	4 538	4 538	4 299	4 180

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	POLSKA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	765	886	848	796	721	755
Total imports	17 657	17 679	18 283	20 693	21 974	21 781
Total exports	161	138	216	282	288	247
Stock changes	-528	4	-353	-277	-1 294	-259
Refinery intake	18 419	19 262	19 472	22 258	22 675	22 709
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	-	-	-	269	-	-
Near and Middle East	-	-	-	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	173	185	148	49	73	25
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	132	130	137	502	1 138
Russia	16 641	16 670	17 466	19 156	19 966	19 241
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

	POLSKA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Production and supply						
Total refinery output	18 036	18 556	18 465	20 947	21 599	21 864
<i>among which:</i>						
Motor spirit	3 920	4 002	4 121	4 162	3 876	3 680
Kerosene and jet fuel	656	715	661	854	802	948
Naphtha	836	889	949	1 415	1 398	1 288
Gas/diesel oil	6 722	7 371	7 459	8 336	8 787	9 428
Residual fuel oil	3 253	2 754	2 537	2 824	2 831	2 758
Total imports	4 266	5 318	6 187	5 904	6 558	5 599
Total exports	2 045	2 212	2 727	2 820	3 118	3 048
Bunkers	291	259	328	301	254	282
Stock changes	2	-173	-240	-699	-788	131
Gross inland consumption	1 997	2 725	2 935	2 127	2 440	2 443
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	11	13	65	60	66	53
United Kingdom	92	98	149	287	488	193
Russia	1 133	987	985	761	788	687
Norway	118	35	57	105	174	84
OPEC	-	1	-	-	3	1
Imports by product						
<i>among which:</i>						
Motor spirit	537	602	607	603	749	665
Kerosene and jet fuel	1	2	-	-	1	1
Gas/diesel oil	1 376	2 238	2 842	2 541	2 970	2 291
Residual fuel oil	32	84	13	83	97	33
Exports by product						
<i>among which:</i>						
Motor spirit	418	445	698	640	423	339
Kerosene and jet fuel	361	455	355	439	347	424
Gas/diesel oil	161	240	596	313	342	268
Residual fuel oil	640	597	488	782	1 155	1 078
Consumption						
Inputs to electricity plants						
Inputs to heating plants	212	213	185	176	167	170
Non-energy use	138	71	52	50	32	33
Final energy consumption	2 252	2 325	2 414	3 126	3 101	2 944
	15 633	16 687	17 101	17 659	18 539	18 937
Industry	1 741	1 711	1 606	1 498	1 337	1 214
<i>among which by product:</i>						
Gas/diesel oil	568	542	523	518	473	508
Residual fuel oil	482	501	402	359	296	203

	POLSKA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	7	6	2	3	2	3
Non-ferrous metals	12	15	15	15	9	9
Chemical industry	726	727	556	625	631	490
Non-met. mineral prod.	334	314	393	236	152	170
Food, drink, tobacco	268	260	237	205	185	218
Pulp, paper and print	52	55	49	51	57	49
Engineering & metal	65	57	70	68	63	49
Other industries	200	196	210	221	158	148
Transport	9 410	10 538	11 275	12 576	13 915	14 592
<i>among which:</i>						
Motor spirit	4 072	4 109	3 946	4 048	4 043	3 994
Jet fuel	279	274	311	415	432	519
Diesel oil	3 989	4 847	5 519	6 413	7 690	8 360
Services & households etc.	4 482	4 438	4 220	3 585	3 287	3 131
<i>among which:</i>						
Gas oil	3 385	3 501	3 311	2 895	2 635	2 493
Residual fuel oil	300	153	183	69	30	34
Stocks at end of period						
Crude oil and feedstocks	2 103	2 475	2 828	3 105	4 399	4 658
Petroleum products	1 268	1 415	1 630	2 354	3 142	3 011

5. Natural gas

<i>in TJ (GCV)</i>	POLSKA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	167 997	182 698	180 700	180 514	181 274	171 652
Total imports	350 607	379 467	398 547	415 736	385 427	425 945
Total exports	1 767	1 753	1 667	1 745	1 677	1 470
Stock changes	7 010	-7 728	-8 431	-18 892	10 743	-12 453
Gross inland consumption	523 847	552 684	569 149	575 613	575 767	583 674
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	19 555	19 376	19 426	14 453	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	275 629	236 370	262 629	286 175	260 533	295 677
Consumption						
Inputs to electricity plants	36 626	45 111	49 729	44 859	43 709	45 632
Inputs to heat plants	13 924	14 519	13 647	13 817	11 461	11 824
Consumption of energy branch	30 144	36 792	39 410	46 683	48 204	46 853
Distribution losses	10 196	9 422	7 120	5 240	2 983	2 621
Non-energy use	86 969	88 892	93 843	89 831	89 163	91 458
Industry	112 079	125 831	129 549	136 772	143 272	141 108
<i>among which:</i>						
Iron&steel industry	16 263	21 884	22 212	22 781	24 782	22 553
Non-ferrous metals	6 520	7 117	7 187	7 649	7 492	7 269
Chemical industry	7 174	8 331	9 004	10 059	9 746	8 930
Non-met. mineral prod.	39 538	42 481	43 292	45 870	47 192	44 120
Food, drink, tobacco	16 750	17 960	19 395	20 692	22 904	23 028
Pulp, paper and print	2 327	2 952	2 542	3 307	4 541	5 358
Engineering & metal	12 218	13 250	13 241	14 010	14 456	14 844
Other industries	7 808	8 206	9 014	8 624	8 274	11 391
Transport	-	-	-	-	-	-
Services & households etc.	217 648	219 031	229 354	225 621	221 459	226 704
<i>among which:</i>						
Households	141 810	140 418	150 123	154 095	147 358	146 056
Services	74 508	77 300	78 027	69 867	72 055	78 536

6.1 Hard coal

<i>in 1 000 t</i>	POLSKA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	101 659	100 517	97 110	94 407	87 406	83 661
Total imports	2 517	2 328	3 372	5 271	5 924	10 331
Total exports	20 119	19 684	19 369	16 735	11 900	8 461
Stock changes	96	41	-1 469	2 371	3 000	-3 547
Gross inland consumption	85 368	83 915	80 438	86 130	85 336	82 668
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	30	56	80	135	359
Russia	1 730	1 459	2 390	3 330	3 046	5 039
South Africa	14	-	-	-	-	167
USA	-	-	-	-	302	1 648
Consumption						
Inputs to electricity plants	45 631	45 841	45 055	47 362	47 539	43 619
Inputs to heat plants	6 880	6 103	5 849	5 755	5 413	5 348
Consumption of energy branch	1 157	1 035	851	601	1 143	546
Industry	6 247	6 220	5 612	5 442	5 776	6 009
<i>among which:</i>						
Iron&steel industry	351	453	259	360	321	191
Non-ferrous metals	90	47	-	1	20	-
Chemical industry	1 190	1 236	1 233	1 175	1 206	2 025
Non-met. mineral prod.	1 291	1 392	1 278	1 339	1 838	1 623
Food, drink, tobacco	1 661	1 554	1 470	1 310	1 302	1 206
Pulp, paper and print	598	594	550	492	396	345
Engineering & metal	361	288	258	224	187	170
Other industries	479	482	423	423	406	366
Services & households etc.	9 443	9 422	10 387	11 715	11 105	11 705

6.2 Coal derivatives and peat

	POLSKA					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	10 112	10 097	8 404	9 613	10 168	9 831
Patent Fuel	-	-	-	-	-	-
Lignite and peat	60 920	61 198	61 636	60 844	57 538	59 668
Brown coal briquettes	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	83 434	81 052	68 830	79 680	85 500	82 273
Blast-furnace gas	31 031	33 836	23 446	28 948	34 626	28 551
Gasworks gas	153	136	114	118	115	106
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	3 673	3 654	2 431	2 675	2 698	2 274
<i>among which:</i>						
Iron & steel industry	2 441	2 604	1 789	1 978	2 013	1 716
Services & households etc.	687	528	239	266	171	142
Patent Fuel	1	1	-	1	-	2
<i>among which:</i>						
Services & households etc.	-	1	-	-	-	2
Lignite and peat	394	495	494	547	482	528
<i>among which:</i>						
Industry	25	15	11	10	-	8
Services & households etc.	369	480	483	537	482	520
Brown coal briquettes	2	2	2	4	3	8
<i>among which:</i>						
Industry	2	2	2	2	3	6
Services & households etc.	-	-	-	2	-	2
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	19 035	19 460	15 537	16 424	17 347	13 771
Blast-furnace gas	19 524	21 006	14 585	19 466	23 395	18 777
Gasworks gas	146	129	109	113	105	99
Inputs to electricity plants	24 612	24 296	18 814	27 411	27 311	33 336
Inputs to heat plants	1 139	1 208	1 302	1 270	773	585
Consumption of energy branch	46 429	47 039	41 947	41 643	50 171	44 021
Consumption in industry	38 559	40 466	30 122	35 890	40 742	32 548

7. Renewable energy sources

		POLSKA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	4 158	4 325	4 558	5 055	5 177	5 457
Hydro (excl. pumping)		144	179	189	176	202	185
Wind		11	12	12	22	45	72
Solar		0	0	0	0	0	1
Geothermal		7	8	11	13	10	13
Biomass		3 996	4 126	4 346	4 844	4 919	5 186
	<i>among which:</i>						
Wood, wood-waste		3 921	4 062	4 166	4 588	4 709	4 739
Municipal solid waste		1	1	18	39	43	19
Biogas		39	47	54	62	65	132
Gross inland consumption		4 156	4 325	4 498	4 987	5 150	5 615
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		156	244	461	554	663	995
	<i>among which:</i>						
Wood, wood-waste		139	213	418	506	607	914
Municipal waste		-	-	-	-	-	9
Biogas		18	31	43	48	55	73
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	3 842	3 890	3 836	4 237	4 174	4 361
	<i>by sector:</i>						
Industry		729	764	760	1 038	1 100	826
Services & households etc.		3 078	3 109	3 028	3 108	3 041	3 094
Transport		36	17	49	90	33	441
	<i>by source:</i>						
Biomass		3 835	3 882	3 825	4 224	4 163	4 347
	<i>among which:</i>						
Wood, wood-waste		3 780	3 849	3 748	4 080	4 078	3 837
Municipal waste		1	1	18	39	43	10
Biogas		18	16	10	14	9	59
Geothermal		7	8	11	13	10	13
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		243	273	356	248	306	290
Hydro with installed capacity > 1 & <10 MW		431	617	504	567	658	605
Hydro with installed capacity > 10 MW		998	1 191	1 339	1 228	1 388	1 257
Wood, Wood-waste		398	768	1 719	1 851	2 360	3 200
Municipal waste		-	-	-	-	-	-
Biogas		56	82	111	160	195	252

	POLSKA					
	2003	2004	2005	2006	2007	2008
Electrical capacities of RES						
	<i>in MW</i>					
Solar photovoltaics (peak)		-	-	-	-	-
Hydro with installed capacity < 1 MW		63	77	72	72	74
Hydro with installed capacity > 1 & <10 MW		164	184	174	181	183
Hydro with installed capacity > 10 MW		680	715	669	672	672
Wood, Wood-waste		24	24	25	25	33
Municipal waste		-	-	-	-	-
Biogas		18	22	30	32	40
Liquid biofuels						
Production	<i>1000 t</i>	44	21	145	208	141
Solar Panels						
Solar panel surface	<i>1000 m²</i>	76	76	95	128	236

1. Energy economy

Key figures and energy indicators

		PORTUGAL					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	4 336	3 894	3 578	4 320	4 610	4 441
Net energy imports		22 393	22 653	24 416	21 569	21 847	21 263
Net oil imports		16 237	15 581	16 711	13 947	14 542	14 024
Net gas imports		2 643	3 305	3 893	3 662	3 761	4 144
Gross inland energy consumption		25 665	26 409	27 038	25 334	25 975	24 919
Final energy consumption		18 394	18 718	18 723	18 544	18 707	18 292
Industry		5 869	5 767	5 689	5 694	5 782	5 564
Transport		7 117	7 309	7 074	7 162	7 244	7 279
Services and households etc.		5 408	5 642	5 960	5 687	5 681	5 448
Gross electricity generation	<i>GWh</i>	46 855	45 108	46 578	49 041	47 253	45 969
Final electricity consumption		43 164	44 668	46 322	47 763	49 024	48 352
Socio-economic statistics							
Population	<i>1000 per.</i>	10 408	10 475	10 529	10 570	10 599	10 618
Total imports (current prices)	<i>Mio EUR</i>	47 874	52 213	55 774	60 971	65 296	70 211
among which:							
All energy commodities		4 221	4 941	7 212	8 024	7 957	10 279
Oil products		3 251	3 829	5 538	6 315	6 170	7 717
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	2 466	2 521	2 568	2 397	2 451	2 347
Final energy consumption / capita		1 767	1 787	1 778	1 754	1 765	1 723
Household consumption / capita		299	305	304	303	303	294
Final electricity consumption / capita	<i>kWh/cap.</i>	4 147	4 264	4 399	4 519	4 625	4 554
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	85.3	83.7	88.4	83.1	82.0	83.0
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	71.7	70.9	69.2	73.2	72.0	73.4
Efficiency of thermal power stations		45.2	46.7	47.2	47.9	48.3	48.0

2. Energy balance

Principal aggregates by product

in 1 000 toe	PORTUGAL					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	4 336	3 894	3 578	4 320	4 610	4 441
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	1 352	849	407	946	868	585
Biomass	2 842	2 877	2 931	3 011	3 174	3 143
Imports						
Total	24 357	24 845	27 042	25 257	24 578	23 969
<i>among which:</i> Hard coal	3 263	3 204	3 221	3 497	2 910	2 324
Crude oil and feedstocks	13 468	13 345	13 637	13 771	12 673	12 513
Petroleum products	4 466	4 244	5 459	3 586	4 405	4 062
Natural Gas	2 643	3 305	3 893	3 662	3 761	4 144
Electricity	507	740	828	742	829	924
Exports						
Total	1 964	2 192	2 626	3 688	2 731	2 706
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 697	2 009	2 385	3 410	2 536	2 551
Natural gas	-	-	-	-	-	-
Electricity	267	183	241	274	185	113
Gross inland consumption						
Total	25 665	26 409	27 038	25 334	25 975	24 919
<i>among which:</i> Solid fuels	3 281	3 372	3 349	3 308	2 886	2 525
Crude oil and petrol. prod.	15 167	15 274	15 768	13 593	14 047	13 016
Natural gas	2 636	3 303	3 751	3 640	3 808	4 139
Nuclear Energy	-	-	-	-	-	-
Renewables	4 336	3 894	3 578	4 320	4 584	4 425
Transformation input						
Total	19 716	20 347	21 700	20 799	19 394	19 121
<i>among which:</i> Crude oil and feedstocks	13 459	13 517	13 785	13 895	12 863	12 577
Natural gas	1 409	1 987	2 309	2 121	2 243	2 555
Petroleum products	1 256	1 136	1 793	1 004	942	928
Hard coal	3 138	3 227	3 319	3 276	2 707	2 445
Lignite and peat	-	-	-	-	-	-
Renewables	450	473	490	497	632	613
Transformation output						
Total	16 245	16 649	17 468	17 164	15 955	15 690
<i>among which:</i> Electricity	2 605	2 935	3 412	2 979	2 815	2 827
Heat	226	258	328	331	338	316

		PORTUGAL					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		18 394	18 718	18 723	18 544	18 707	18 292
<i>among which:</i>	Solid fuels	143	87	16	27	171	71
	Petroleum products	10 616	10 751	10 561	10 118	9 811	9 544
	Natural Gas	1 206	1 280	1 307	1 336	1 439	1 475
	Renewables	2 491	2 502	2 529	2 625	2 733	2 728
	Electricity	3 711	3 841	3 983	4 107	4 215	4 158
Final energy consumption by sector							
Industry							
Total		5 869	5 767	5 689	5 694	5 782	5 564
<i>among which:</i>	Solid fuels	143	87	16	27	171	71
	Petroleum Products	1 829	1 702	1 586	1 509	1 306	1 233
	Natural Gas	918	946	956	964	1 034	1 047
	Renewables	1 320	1 321	1 341	1 361	1 402	1 395
	Electricity	1 446	1 469	1 477	1 517	1 547	1 515
Transport							
Total		7 117	7 309	7 074	7 162	7 244	7 279
<i>among which:</i>	Motor spirit	2 109	2 027	1 903	1 759	1 670	1 566
	Diesel oil	4 158	4 370	4 213	4 333	4 363	4 480
	Jet fuel	780	840	881	922	1 000	1 024
	Electricity	37	40	41	44	43	43
Services & households etc.							
Total		5 408	5 642	5 960	5 687	5 681	5 448
<i>among which:</i>	Solid fuels	-	-	-	-	-	-
	Gas oil	867	831	967	653	638	482
	Natural Gas	279	325	340	362	394	416
	Renewables	1 171	1 180	1 188	1 195	1 199	1 205
	Electricity	2 228	2 332	2 466	2 546	2 626	2 600
	Heat	13	16	13	14	15	13

3.1 Electricity balance

	PORTUGAL					
	2003	2004	2005	2006	2007	2008
	<i>in GWh</i>					
Generation						
Total gross generation	46 855	45 108	46 578	49 041	47 253	45 969
<i>among which:</i>						
Hydro	16 054	10 147	5 118	11 467	10 449	7 296
Wind	496	816	1 773	2 925	4 037	5 757
Geothermal	90	84	71	85	201	192
Nuclear	-	-	-	-	-	-
Conventional thermal	30 212	34 058	39 613	34 559	32 542	32 686
<i>of which:</i>						
Hard coal	14 527	14 858	15 226	14 958	12 398	11 196
Lignite and peat	-	-	-	-	-	-
Petroleum products	6 162	5 698	8 791	5 247	4 870	4 148
Natural gas	7 740	11 689	13 606	12 343	13 124	15 199
Derived gases	-	-	-	-	-	-
Biomass	1 777	1 804	1 977	1 998	2 147	2 133
Industrial wastes	6	9	13	13	3	10
Total net generation	45 378	43 485	44 987	47 493	45 908	44 579
Imports and exports						
Total imports	5 898	8 612	9 626	8 624	9 641	10 744
Total exports	3 104	2 131	2 802	3 183	2 153	1 313
Consumption and losses						
Consumption of the energy branch	2 270	2 583	2 478	2 568	2 180	2 366
<i>of which:</i>						
Consumption for pumped-storage	154	130	181	238	183	141
Network losses	3 881	4 057	4 212	3 686	3 180	4 184
Final energy consumption	43 164	44 668	46 322	47 763	49 024	48 352
<i>of which:</i>						
Industry	16 820	17 086	17 172	17 644	17 991	17 617
<i>among which:</i>						
Iron&steel industry	1 088	1 186	1 279	1 386	1 471	1 492
Non-ferrous metals	116	121	122	127	141	139
Chemical industry	2 480	2 555	2 561	2 637	2 679	2 509
Non-met. mineral prod.	2 233	2 336	2 336	2 418	2 578	2 437
Food, drink, tobacco	1 644	1 688	1 695	1 773	1 825	1 774
Pulp, paper and print	2 229	2 346	2 470	2 500	2 568	2 583
Engineering & metal	1 613	1 656	1 674	1 733	1 766	1 753
Other industries	2 884	2 814	2 761	2 858	2 739	2 836
Transport	435	464	472	508	498	502
Services & households etc.	25 909	27 118	28 678	29 611	30 535	30 233
<i>among which:</i>						
Households	11 835	12 432	13 242	13 406	13 863	13 444

3.2 Electrical capacity, fuel inputs and heat

		PORTUGAL					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	11 619	12 711	13 389	14 456	14 970	15 704
<i>by source:</i>							
Conventional thermal		6 749	7 292	7 277	7 685	7 692	7 767
<i>of which:</i>							
Steam		4 129	4 129	4 077	4 092	4 057	4 081
Gas turbine		382	390	419	431	434	444
Combined cycle		1 382	1 774	1 774	2 166	2 166	2 166
Internal combustion		856	999	1 007	996	1 035	1 076
Nuclear		-	-	-	-	-	-
Hydro		4 588	4 852	5 034	5 065	5 052	5 055
<i>among which:</i>							
Pumped storage		597	537	537	1 048	1 029	1 029
Wind		268	553	1 064	1 681	2 201	2 857
Geothermal		14	14	14	25	25	25
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		10 397	11 430	12 079	13 139	13 550	14 258
Autoproducers		1 224	1 283	1 312	1 320	1 444	1 505
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	6 257	6 830	7 916	6 904	6 531	6 544
<i>among which:</i>							
Hard coal		3 138	3 227	3 319	3 276	2 707	2 445
Lignite and peat		-	-	-	-	-	-
Petroleum products		1 256	1 136	1 793	1 004	942	928
Natural gas		1 409	1 987	2 309	2 121	2 243	2 555
Renewables		450	473	490	497	632	613
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	226	258	328	331	338	316
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		226	258	328	331	338	316
<i>of which: in industry</i>							
		213	242	315	317	323	303
<i>in households and services</i>							
		13	16	13	14	15	13
<i>among which: in households</i>							
		8	9	6	6	6	5

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	PORTUGAL					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	13 276	13 184	13 473	13 582	12 494	12 364
Total exports	-	-	-	-	-	-
Stock changes	-73	-94	-48	-84	-33	16
Refinery intake	13 267	13 353	13 618	13 704	12 681	12 427
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	6 681	7 589	8 290	7 582	6 723	8 232
Near and Middle East	2 025	2 429	3 319	3 070	2 552	2 662
Africa	5 835	5 292	6 096	5 219	6 331	6 629
<i>by country of origin:</i>						
Algeria	-	1 763	2 983	1 906	919	1 391
Irak	-	416	965	823	680	805
Iran	258	478	352	781	772	599
Kazakhstan	-	1 488	834	701	708	642
Kuwait	-	-	-	-	-	-
Libya	1 741	1 251	700	974	1 796	1 548
Mexico	668	669	1 077	670	536	135
Nigeria	2 988	2 146	1 288	1 172	1 456	2 364
Norway	640	532	247	380	504	397
Russia	1 481	813	-	136	-	-
Saudi Arabia	1 694	1 535	1 150	1 386	1 100	1 258
Syria	73	-	-	80	-	-
United Arab Emirates	-	-	852	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	PORTUGAL					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	13 223	13 293	13 563	13 664	12 621	12 397
<i>among which:</i>						
Motor spirit	2 732	2 551	2 466	2 750	2 591	2 091
Kerosene and jet fuel	704	781	857	858	747	750
Naphtha	1 130	1 175	1 188	1 037	1 071	1 151
Gas/diesel oil	4 955	4 703	4 906	5 102	4 634	4 484
Residual fuel oil	2 388	2 969	3 062	2 920	2 622	2 783
Total imports	4 602	4 396	5 706	3 742	4 531	4 218
Total exports	1 675	1 983	2 367	3 387	2 515	2 537
Bunkers	591	672	591	649	682	728
Stock changes	-404	436	-342	390	209	-349
Gross inland consumption	1 932	2 177	2 406	96	1 543	604
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	481	352	553	417	364	338
United Kingdom	613	731	1 040	483	478	489
Russia	40	150	63	20	122	95
Norway	65	62	28	49	96	55
OPEC	591	325	191	206	470	354
Imports by product						
<i>among which:</i>						
Motor spirit	57	133	131	106	92	117
Kerosene and jet fuel	109	59	71	47	267	251
Gas/diesel oil	949	841	877	638	776	1 011
Residual fuel oil	1 010	645	1 548	571	461	574
Exports by product						
<i>among which:</i>						
Motor spirit	782	805	792	1 270	1 091	767
Kerosene and jet fuel	20	54	-	-	20	14
Gas/diesel oil	51	71	211	314	192	164
Residual fuel oil	352	476	766	1 177	759	912
Consumption						
Inputs to electricity plants						
Inputs to heating plants	1 313	1 187	1 875	1 050	985	964
Non-energy use	-	-	-	-	-	-
Final energy consumption	2 237	2 375	2 419	1 883	2 141	1 920
	10 489	10 643	10 486	10 047	9 712	9 461
Industry	1 989	1 877	1 781	1 694	1 463	1 399
<i>among which by product:</i>						
Gas/diesel oil	367	402	370	316	287	268
Residual fuel oil	815	543	379	353	383	289

	PORTUGAL					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	29	19	39	37	25	5
Non-ferrous metals	1	3	-	-	4	3
Chemical industry	219	253	137	148	102	89
Non-met. mineral prod.	834	844	941	867	708	758
Food, drink, tobacco	219	192	166	194	160	147
Pulp, paper and print	182	67	80	73	62	65
Engineering & metal	42	37	36	36	35	30
Other industries	284	315	286	261	222	207
Transport	6 874	7 062	6 832	6 852	6 873	6 914
<i>among which:</i>						
Motor spirit	2 007	1 929	1 811	1 674	1 589	1 490
Jet fuel	759	818	858	898	974	997
Diesel oil	4 087	4 295	4 141	4 259	4 288	4 403
Services & households etc.	1 626	1 704	1 873	1 501	1 376	1 148
<i>among which:</i>						
Gas oil	852	817	950	642	627	474
Residual fuel oil	-	110	189	182	91	58
Stocks at end of period						
Crude oil and feedstocks	838	932	980	1 064	1 097	1 081
Petroleum products	2 463	2 027	2 369	1 979	1 770	2 119

5. Natural gas

<i>in TJ (GCV)</i>	PORTUGAL					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	122 968	153 733	181 102	170 340	174 947	192 795
Total exports	-	-	-	-	-	-
Stock changes	-328	-57	-6 620	-1 026	2 218	-271
Gross inland consumption	122 640	153 676	174 482	169 314	177 165	192 524
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	100 816	97 138	112 022	85 964	59 536	82 436
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	22 152	56 595	69 080	84 376	115 411	110 359
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	65 545	92 439	107 403	98 651	104 365	118 841
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	3	784	3 705	4 134	4 284	4 151
Distribution losses	968	936	2 583	4 313	1 553	981
Non-energy use	-	-	-	-	-	-
Industry	42 709	44 020	44 469	44 846	48 106	48 706
<i>among which:</i>						
Iron&steel industry	1 585	1 590	1 919	2 024	2 405	2 331
Non-ferrous metals	309	341	355	386	434	662
Chemical industry	3 207	2 841	2 996	2 651	3 297	3 444
Non-met. mineral prod.	22 825	23 567	24 032	23 857	25 318	24 501
Food, drink, tobacco	3 067	3 083	3 095	3 717	4 079	4 692
Pulp, paper and print	1 667	1 351	1 771	1 950	2 014	2 495
Engineering & metal	2 059	2 238	2 332	2 371	2 357	2 440
Other industries	1 364	1 600	1 693	1 633	1 436	1 001
Transport	419	437	517	484	536	559
Services & households etc.	12 979	15 103	15 819	16 831	18 314	19 355
<i>among which:</i>						
Households	7 351	8 432	9 301	9 425	10 244	10 695
Services	5 469	6 517	6 340	7 212	7 833	8 374

6.1 Hard coal

<i>in 1 000 t</i>	PORTUGAL					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	5 344	5 247	5 272	5 782	4 782	3 829
Total exports	-	-	-	5	13	40
Stock changes	18	267	204	-310	-27	367
Gross inland consumption	5 362	5 514	5 476	5 467	4 742	4 156
Imports						
Imports by origin						
<i>among which:</i>						
Australia	668	129	-	-	-	-
Colombia	1 945	2 817	2 314	3 239	2 403	1 873
Russia	-	-	-	22	111	11
South Africa	2 079	1 369	1 985	1 681	1 551	1 242
USA	354	467	378	202	389	273
Consumption						
Inputs to electricity plants	5 139	5 285	5 436	5 420	4 443	4 032
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	215	131	16	36	278	109
<i>among which:</i>						
Iron&steel industry	-	-	-	-	11	11
Non-ferrous metals	-	-	-	-	1	-
Chemical industry	12	13	16	22	17	18
Non-met. mineral prod.	203	118	-	14	249	80
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

6.2 Coal derivatives and peat

		PORTUGAL					
		2003	2004	2005	2006	2007	2008
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		10	8	5	4	4	4
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households etc.		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
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

		PORTUGAL					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	4 336	3 894	3 578	4 320	4 610	4 441
Hydro (excl. pumping)		1 352	849	407	946	868	585
Wind		43	70	152	252	347	495
Solar		21	21	23	24	28	34
Geothermal		78	78	66	88	193	185
Biomass		2 842	2 877	2 931	3 011	3 174	3 143
	<i>among which:</i>						
Wood, wood-waste		2 652	2 683	2 713	2 731	2 808	2 788
Municipal solid waste		189	189	207	201	188	183
Biogas		1	4	10	9	16	23
Gross inland consumption		4 336	3 894	3 578	4 320	4 584	4 425
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		77	77	65	77	183	175
Biomass		372	397	425	420	449	438
	<i>among which:</i>						
Wood, wood-waste		182	203	208	210	246	233
Municipal waste		189	189	207	201	188	183
Biogas		1	4	10	9	16	23
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	2 491	2 502	2 529	2 625	2 733	2 728
	<i>by sector:</i>						
Industry		1 320	1 321	1 341	1 361	1 402	1 395
Services & households etc.		1 171	1 180	1 188	1 195	1 199	1 205
Transport		-	-	0	70	133	128
	<i>by source:</i>						
Biomass		2 470	2 480	2 505	2 591	2 698	2 687
	<i>among which:</i>						
Wood, wood-waste		2 470	2 480	2 505	2 522	2 562	2 556
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		1	1	1	10	10	10
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		3	3	3	5	24	38
Hydro with installed capacity < 1 MW		84	74	51	93	71	67
Hydro with installed capacity > 1 & <10 MW		1 078	677	444	966	706	670
Hydro with installed capacity > 10 MW		14 561	9 118	4 236	10 408	9 315	6 060
Wood, Wood-waste		1 223	1 265	1 350	1 380	1 530	1 500
Municipal waste		551	526	592	586	551	561
Biogas		3	15	35	33	65	71

		PORTUGAL					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		2	2	2	3	24	59
Hydro with installed capacity < 1 MW		30	29	28	28	29	31
Hydro with installed capacity > 1 & <10 MW		315	309	323	343	360	361
Hydro with installed capacity > 10 MW		3 646	3 977	4 146	4 157	3 634	3 634
Wood, Wood-waste		224	224	273	279	290	293
Municipal waste		71	71	77	77	77	77
Biogas		1	6	8	8	31	13
Liquid biofuels							
Production	<i>1000 t</i>	-	-	0	79	184	169
Solar Panels							
Solar panel surface	<i>1000 m²</i>	261	269	289	304	330	390

1. Energy economy Key figures and energy indicators

		ROMÂNIA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	28 278	28 406	27 438	27 401	27 619	29 059
Net energy imports		10 236	12 000	10 839	11 901	12 772	11 289
Net oil imports		3 536	4 898	3 962	4 761	5 523	5 440
Net gas imports		4 237	4 112	4 190	4 791	3 865	3 531
Gross inland energy consumption		40 234	39 597	39 236	40 730	40 467	40 616
Final energy consumption		24 201	25 497	24 664	24 771	24 022	24 887
Industry		10 355	10 165	9 974	9 565	9 129	9 210
Transport		4 345	5 178	4 204	4 343	4 664	5 238
Services and households etc.		9 501	10 153	10 486	10 863	10 228	10 440
Gross electricity generation	<i>GWh</i>	56 645	56 482	59 413	62 698	61 673	64 955
Final electricity consumption		37 465	38 736	38 811	40 916	40 928	41 775
Socio-economic statistics							
Population	<i>1000 per.</i>	21 773	21 711	21 659	21 610	21 565	21 529
Total imports (current prices)	<i>Mio EUR</i>	22 215	27 372	34 512	43 297	53 913	59 632
among which:							
All energy commodities		:	:	:	:	5 484	7 075
Oil products		:	:	:	:	3 815	4 978
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	1 848	1 824	1 812	1 885	1 876	1 887
Final energy consumption / capita		1 112	1 174	1 139	1 146	1 114	1 156
Household consumption / capita		359	367	368	363	348	374
Final electricity consumption / capita	<i>kWh/cap.</i>	1 721	1 784	1 792	1 893	1 898	1 940
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	25.4	30.3	27.6	29.2	31.5	27.7
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	60.2	64.4	62.9	60.8	59.4	61.3
Efficiency of thermal power stations		49.7	49.9	51.8	50.2	48.3	46.3

2. Energy balance

Principal aggregates by product

in 1 000 toe	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	28 278	28 406	27 438	27 401	27 619	29 059
among which:						
Hard coal	7	25	16	11	7	4
Lignite and peat	6 530	6 182	5 777	6 469	6 852	6 959
Crude oil	5 986	5 797	5 526	5 079	4 822	4 789
Natural Gas	10 429	10 377	9 701	9 558	9 233	8 993
Nuclear heat	1 266	1 431	1 433	1 453	1 989	2 896
Hydro-electricity	1 140	1 420	1 737	1 578	1 373	1 479
Biomass	2 903	3 160	3 229	3 235	3 325	3 914
Imports						
Total	14 138	16 729	17 211	17 752	17 573	16 781
among which:						
Hard coal	1 616	2 231	2 419	2 223	2 841	1 970
Crude oil and feedstocks	5 302	7 435	8 831	8 821	8 673	8 771
Petroleum products	1 875	1 836	1 030	1 321	1 312	1 691
Natural Gas	4 237	4 112	4 190	4 791	3 865	3 531
Electricity	83	222	200	85	109	79
Exports						
Total	3 903	4 729	6 371	5 851	4 800	5 492
among which:						
Crude oil and feedstocks	-	-	-	-	-	4
Petroleum products	3 641	4 373	5 898	5 381	4 463	5 018
Natural gas	-	-	-	-	-	-
Electricity	262	324	449	452	289	444
Gross inland consumption						
Total	40 234	39 597	39 236	40 730	40 467	40 616
among which:						
Solid fuels	9 356	9 204	8 785	9 514	10 143	9 605
Crude oil and petrol. prod.	10 973	10 468	10 300	10 831	10 675	10 470
Natural gas	14 729	13 937	13 942	14 438	12 982	12 452
Nuclear Energy	1 266	1 431	1 433	1 453	1 989	2 896
Renewables	4 002	4 567	4 940	4 781	4 753	5 483
Transformation input						
Total	28 924	28 568	29 657	30 545	30 031	30 028
among which:						
Crude oil and feedstocks	12 536	13 287	15 109	14 644	14 059	14 224
Natural gas	4 676	4 337	4 003	4 197	4 103	3 680
Petroleum products	1 603	1 016	849	774	418	352
Hard coal	1 403	1 717	1 795	1 958	2 131	1 381
Lignite and peat	6 718	5 978	5 796	6 833	6 667	7 032
Renewables	16	67	21	90	25	30
Transformation output						
Total	21 517	21 976	23 628	23 441	22 484	22 062
among which:						
Electricity	3 731	3 437	3 371	3 813	3 930	4 106
Heat	3 615	3 235	2 998	2 948	2 631	2 405

		ROMÂNIA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		24 201	25 497	24 664	24 771	24 022	24 887
<i>among which:</i>	Solid fuels	1 554	1 579	1 641	1 569	1 482	1 315
	Petroleum products	5 999	7 392	6 586	6 341	6 828	7 094
	Natural Gas	7 607	7 353	7 153	7 690	6 504	6 783
	Renewables	2 836	3 059	3 183	3 056	3 282	3 909
	Electricity	3 221	3 331	3 337	3 518	3 519	3 592
Final energy consumption by sector							
Industry							
Total		10 355	10 165	9 974	9 565	9 129	9 210
<i>among which:</i>	Solid fuels	1 534	1 525	1 618	1 550	1 465	1 259
	Petroleum Products	960	1 043	1 057	1 173	1 100	1 287
	Natural Gas	4 561	4 101	4 035	3 517	3 331	3 738
	Renewables	477	264	246	293	353	209
	Electricity	1 921	2 163	2 036	2 087	1 964	1 977
Transport							
Total		4 345	5 178	4 204	4 343	4 664	5 238
<i>among which:</i>	Motor spirit	1 646	2 376	1 628	1 513	1 549	1 576
	Diesel oil	2 359	2 414	2 265	2 557	2 736	3 192
	Jet fuel	123	141	113	141	182	193
	Electricity	154	136	134	112	122	120
Services & households etc.							
Total		9 501	10 153	10 486	10 863	10 228	10 440
<i>among which:</i>	Solid fuels	20	53	22	19	17	56
	Gas oil	365	586	333	313	422	384
	Natural Gas	3 046	3 253	3 119	4 173	3 173	3 044
	Renewables	2 359	2 795	2 937	2 763	2 889	3 593
	Electricity	1 147	1 032	1 166	1 319	1 434	1 495
	Heat	2 076	1 708	1 780	1 651	1 490	1 455

3.1 Electricity balance

<i>in GWh</i>	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
Generation						
Total gross generation	56 645	56 482	59 413	62 698	61 673	64 955
<i>among which:</i>						
Hydro	13 259	16 513	20 207	18 356	15 966	17 195
Wind	-	-	-	1	3	4
Geothermal	-	-	-	-	-	-
Nuclear	4 906	5 548	5 555	5 632	7 709	11 226
Conventional thermal	38 480	34 421	33 651	38 709	37 995	36 530
<i>of which:</i>						
Hard coal	-	734	454	589	1 888	113
Lignite and peat	23 344	20 732	21 462	24 557	23 207	25 710
Petroleum products	3 633	2 199	1 894	1 606	1 096	700
Natural gas	11 201	10 462	9 612	11 831	11 559	9 924
Derived gases	299	290	222	122	209	59
Biomass	3	4	6	4	36	24
Industrial wastes	-	-	1	-	-	-
Total net generation	52 622	52 676	55 504	58 351	56 165	60 099
Imports and exports						
Total imports	962	2 584	2 321	989	1 269	921
Total exports	3 046	3 766	5 224	5 262	3 359	5 169
Consumption and losses						
Consumption of the energy branch	11 017	10 508	11 619	10 930	11 904	10 975
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	6 079	6 056	5 844	6 510	6 516	7 190
Final energy consumption	37 465	38 736	38 811	40 916	40 928	41 775
<i>of which:</i>						
Industry	22 337	25 156	23 684	24 277	22 837	22 987
<i>among which:</i>						
Iron&steel industry	7 220	8 544	8 463	8 499	8 327	7 826
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	3 696	3 526	3 417	4 320	3 734	3 916
Non-met. mineral prod.	1 038	2 056	2 088	3 138	2 196	2 092
Food, drink, tobacco	2 570	3 343	2 905	1 418	1 424	1 686
Pulp, paper and print	812	707	542	655	621	438
Engineering & metal	2 827	2 609	2 338	2 526	2 703	2 999
Other industries	2 591	2 869	2 806	2 556	2 838	2 746
Transport	1 793	1 578	1 562	1 298	1 417	1 401
Services & households etc.	13 335	12 002	13 565	15 341	16 674	17 387
<i>among which:</i>						
Households	8 243	8 043	9 234	9 999	10 389	10 400

3.2 Electrical capacity, fuel inputs and heat

		ROMÂNIA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	19 369	19 624	18 951	19 224	19 759	19 644
<i>by source:</i>							
Conventional thermal		12 414	12 638	11 954	12 234	12 014	11 866
<i>of which:</i>							
Steam		12 347	12 557	11 846	12 037	11 754	11 675
Gas turbine		-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-
Internal combustion		67	81	108	197	290	191
Nuclear		707	707	707	707	1 411	1 411
Hydro		6 248	6 279	6 289	6 282	6 331	6 362
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	1	1	3	5
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		18 794	19 015	18 323	18 329	19 271	18 877
Autoproducers		575	610	627	894	932	767
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	12 028	10 694	10 103	11 361	11 207	10 832
<i>among which:</i>							
Hard coal		-	221	197	249	559	293
Lignite and peat		6 687	5 959	5 786	6 823	6 657	7 029
Petroleum products		1 428	873	775	584	369	257
Natural gas		3 801	3 539	3 287	3 653	3 550	3 222
Renewables		2	2	2	5	5	6
Heating plants		1 096	1 032	825	831	643	585
<i>among which:</i>							
Hard coal		-	5	3	1	1	1
Lignite and peat		31	20	10	10	10	3
Petroleum products		176	142	74	190	49	95
Natural gas		875	798	717	544	553	458
Renewables		14	65	19	85	20	24
Heat production and consumption							
Total heat production	1 000 toe	3 615	3 235	2 998	2 948	2 631	2 405
<i>among which: in heating plants</i>							
		941	854	657	568	484	527
Heat consumption		2 419	2 187	2 135	1 993	1 798	1 779
<i>of which: in industry</i>							
		343	479	355	343	308	324
<i>in households and services</i>							
		2 076	1 708	1 780	1 651	1 490	1 455
<i>among which: in households</i>							
		1 896	1 592	1 466	1 393	1 255	1 206

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	5 890	5 705	5 437	4 996	4 745	4 719
Total imports	5 217	7 317	8 689	8 678	8 534	8 642
Total exports	-	-	-	-	-	4
Stock changes	94	-240	-35	80	359	-41
Refinery intake	12 336	13 077	14 867	14 407	13 835	14 015
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	-	-	226	651	1 086	-
Near and Middle East	-	-	226	651	1 038	-
Africa	-	-	50	146	140	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	825	1 977	3 111	3 329	2 308	5 235
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	4 322	4 589	4 854	4 161	4 715	2 936
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	12 040	13 077	14 867	14 407	13 781	14 015
<i>among which:</i>						
Motor spirit	3 297	3 422	4 238	4 146	3 799	3 654
Kerosene and jet fuel	191	222	247	260	286	346
Naphtha	460	639	507	582	610	566
Gas/diesel oil	3 988	4 170	4 709	4 593	4 606	4 841
Residual fuel oil	1 562	1 559	1 707	1 303	1 186	1 168
Total imports	1 934	1 928	1 085	1 393	1 374	1 741
Total exports	3 550	4 278	5 782	5 249	4 372	4 935
Bunkers	-	-	-	-	35	71
Stock changes	76	-227	207	215	-176	230
Gross inland consumption	-1 540	-2 577	-4 490	-3 641	-3 209	-3 035
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	2	2	2	2	3	31
United Kingdom	9	5	11	7	4	6
Russia	116	71	2	109	67	71
Norway	19	20	20	23	1	-
OPEC	-	43	-	5	5	25
Imports by product						
<i>among which:</i>						
Motor spirit	74	86	63	66	74	80
Kerosene and jet fuel	40	41	20	1	22	6
Gas/diesel oil	500	433	191	252	427	763
Residual fuel oil	947	671	335	473	104	70
Exports by product						
<i>among which:</i>						
Motor spirit	1 726	1 963	2 715	2 791	2 201	2 314
Kerosene and jet fuel	84	91	106	95	130	166
Gas/diesel oil	1 350	1 591	1 900	1 603	1 171	1 060
Residual fuel oil	219	411	727	395	475	877
Consumption						
Inputs to electricity plants						
Inputs to heating plants	1 494	913	808	606	381	264
Non-energy use	178	144	75	197	49	92
Final energy consumption	1 470	1 741	1 570	1 708	1 788	1 418
	5 817	7 147	6 390	6 177	6 628	6 888
Industry	925	1 004	1 022	1 148	1 058	1 226
<i>among which by product:</i>						
Gas/diesel oil	382	334	360	382	586	418
Residual fuel oil	257	333	294	371	111	50

	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	125	158	212	250	22	13
Non-ferrous metals	-	-	-	-	1	-
Chemical industry	257	314	291	216	284	651
Non-met. mineral prod.	15	34	30	86	16	27
Food, drink, tobacco	98	101	70	95	178	153
Pulp, paper and print	25	23	10	9	24	1
Engineering & metal	113	43	47	42	39	25
Other industries	235	242	328	402	434	312
Transport	4 085	4 891	3 961	4 127	4 391	4 892
<i>among which:</i>						
Motor spirit	1 566	2 261	1 549	1 440	1 474	1 500
Jet fuel	120	137	110	137	177	188
Diesel oil	2 335	2 389	2 242	2 531	2 708	3 159
Services & households etc.	807	1 252	1 407	902	1 179	770
<i>among which:</i>						
Gas oil	361	580	330	310	418	380
Residual fuel oil	19	95	215	111	109	28
Stocks at end of period						
Crude oil and feedstocks	579	815	850	733	795	406
Petroleum products	1 194	1 423	1 216	1 001	1 148	944

5. Natural gas

<i>in TJ (GCV)</i>	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	485 135	482 759	451 305	444 656	429 507	418 334
Total imports	197 100	191 269	194 935	222 880	179 802	164 264
Total exports	-	-	-	-	-	-
Stock changes	2 974	-25 664	2 346	4 103	-5 387	-3 323
Gross inland consumption	685 209	648 364	648 586	671 639	603 922	579 275
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	177 283	191 269	194 935	209 425	164 124	160 138
Consumption						
Inputs to electricity plants	176 832	164 623	152 891	169 925	165 141	149 895
Inputs to heat plants	40 694	37 146	33 334	25 309	25 725	21 298
Consumption of energy branch	64 283	52 024	49 821	40 018	37 711	38 663
Distribution losses	23 733	19 873	26 478	40 993	21 791	20 708
Non-energy use	25 669	29 877	49 910	33 767	39 435	43 936
Industry	212 185	190 773	187 687	163 588	154 975	173 914
<i>among which:</i>						
Iron&steel industry	31 231	33 982	30 136	29 351	32 735	30 410
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	100 307	72 653	71 601	60 166	53 545	71 986
Non-met. mineral prod.	22 820	24 806	24 592	22 730	17 656	11 319
Food, drink, tobacco	14 913	16 075	27 497	12 820	15 870	15 554
Pulp, paper and print	6 566	4 185	5 129	4 124	4 313	2 896
Engineering & metal	16 534	17 167	14 551	16 295	15 909	14 028
Other industries	9 729	13 732	9 244	10 290	6 866	21 893
Transport	-	-	-	-	-	-
Services & households etc.	141 703	151 311	145 076	194 148	147 611	141 614
<i>among which:</i>						
Households	119 146	118 324	107 027	118 514	96 175	101 813
Services	21 502	31 386	36 362	74 253	50 267	37 587

6.1 Hard coal

<i>in 1 000 t</i>	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	10	53	32	21	12	9
Total imports	2 462	3 462	3 754	3 459	4 491	3 118
Total exports	-	-	-	8	67	5
Stock changes	138	-92	-108	56	71	20
Gross inland consumption	2 610	3 423	3 678	3 528	4 507	3 142
Imports						
Imports by origin						
<i>among which:</i>						
Australia	118	-	-	72	534	360
Colombia	-	-	-	-	-	75
Russia	1 306	2 203	1 824	1 383	2 247	1 270
South Africa	-	-	-	166	35	-
USA	-	315	971	1 079	1 278	1 077
Consumption						
Inputs to electricity plants	-	382	337	425	951	499
Inputs to heat plants	-	9	5	2	1	1
Consumption of energy branch	3	5	6	3	1	7
Industry	353	310	581	476	399	286
<i>among which:</i>						
Iron&steel industry	346	267	520	419	342	221
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	38	61	57	57	65
Non-met. mineral prod.	7	2	-	-	-	-
Food, drink, tobacco	-	3	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	29	16	-	8	80

6.2 Coal derivatives and peat

	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	1 638	1 675	1 891	1 790	1 647	1 138
Patent Fuel	-	-	-	-	-	-
Lignite and peat	33 053	31 739	31 074	34 911	35 769	35 862
Brown coal briquettes	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	10 161	11 323	12 589	12 503	10 966	6 916
Blast-furnace gas	24 972	26 514	24 815	22 981	23 506	16 895
Gasworks gas	-	-	-	-	-	-
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	1 756	1 780	1 679	1 681	1 640	1 349
<i>among which:</i>						
Iron & steel industry	1 658	1 707	1 654	1 659	1 630	1 341
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	682	802	740	731	661	910
<i>among which:</i>						
Industry	579	600	664	632	600	868
Services & households etc.	102	202	76	99	61	42
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	4 461	4 912	5 606	6 115	5 059	1 848
Blast-furnace gas	16 869	17 453	18 721	17 818	17 671	13 894
Gasworks gas	-	-	-	-	-	-
Inputs to electricity plants	4 553	4 201	2 372	1 987	2 842	1 025
Inputs to heat plants	-	-	-	-	278	-
Consumption of energy branch	8 367	9 712	9 115	8 081	6 957	5 967
Consumption in industry	21 330	22 365	24 327	23 933	22 717	15 742

7. Renewable energy sources

		ROMÂNIA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	4 061	4 594	4 984	4 831	4 717	5 418
Hydro (excl. pumping)		1 140	1 420	1 737	1 578	1 373	1 479
Wind		-	-	-	0	0	0
Solar		-	-	-	-	0	0
Geothermal		18	13	18	18	20	25
Biomass		2 903	3 160	3 229	3 235	3 325	3 914
	<i>among which:</i>						
Wood, wood-waste		2 903	3 160	3 229	3 235	3 304	3 750
Municipal solid waste		-	-	-	-	-	-
Biogas		-	-	-	-	1	1
Gross inland consumption		4 002	4 567	4 940	4 781	4 753	5 483
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		0	1	1	4	-	1
Biomass		16	65	20	86	25	29
	<i>among which:</i>						
Wood, wood-waste		16	65	20	86	24	29
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	1	1
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	2 836	3 059	3 183	3 056	3 282	3 909
	<i>by sector:</i>						
Industry		477	264	246	293	353	209
Services & households etc.		2 359	2 795	2 937	2 763	2 889	3 593
Transport		-	-	-	-	40	107
	<i>by source:</i>						
Biomass		2 818	3 047	3 166	3 042	3 256	3 885
	<i>among which:</i>						
Wood, wood-waste		2 818	3 047	3 166	3 042	3 215	3 778
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	1	0
Geothermal		18	12	17	13	26	23
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		72	86	77	71	90	99
Hydro with installed capacity > 1 & <10 MW		398	688	675	622	514	549
Hydro with installed capacity > 10 MW		12 789	15 914	19 530	17 662	15 362	16 547
Wood, Wood-waste		3	4	6	4	34	23
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	2	1

	ROMÂNIA					
	2003	2004	2005	2006	2007	2008
Electrical capacities of RES						
	<i>in MW</i>					
Solar photovoltaics (peak)		-	-	-	-	-
Hydro with installed capacity < 1 MW		74	64	63	56	61
Hydro with installed capacity > 1 & <10 MW		274	255	262	269	292
Hydro with installed capacity > 10 MW		5 900	5 959	5 964	5 957	5 981
Wood, Wood-waste		-	-	-	-	15
Municipal waste		-	-	-	-	-
Biogas		-	-	-	-	-
Liquid biofuels						
Production	<i>1000 t</i>	-	-	-	-	22
Solar Panels						
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		SLOVENIJA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	3 245	3 435	3 479	3 412	3 437	3 641
Net energy imports		3 685	3 709	3 808	3 827	3 861	4 289
Net oil imports		2 466	2 548	2 588	2 615	2 592	3 095
Net gas imports		902	894	925	896	912	876
Gross inland energy consumption		6 906	7 119	7 282	7 328	7 325	7 736
Final energy consumption		4 674	4 782	4 874	4 933	4 867	5 232
Industry		1 496	1 530	1 653	1 694	1 599	1 480
Transport		1 340	1 384	1 475	1 555	1 754	2 052
Services and households etc.		1 838	1 868	1 746	1 683	1 514	1 700
Gross electricity generation	<i>GWh</i>	13 820	15 271	15 117	15 115	15 043	16 399
Final electricity consumption		12 047	12 546	12 742	13 165	13 264	12 806
Socio-economic statistics							
Population	<i>1000 per.</i>	1 995	1 996	1 998	2 003	2 010	2 010
Total imports (current prices)	<i>Mio EUR</i>	13 949	16 091	17 983	20 824	24 636	26 523
among which:							
All energy commodities		:	850	1 695	2 096	2 072	2 991
Oil products		:	617	1 142	1 338	1 399	2 278
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	3 462	3 566	3 645	3 658	3 643	3 848
Final energy consumption / capita		2 343	2 395	2 440	2 462	2 421	2 603
Household consumption / capita		623	618	590	576	519	552
Final electricity consumption / capita	<i>kWh/cap.</i>	6 039	6 284	6 379	6 571	6 598	6 370
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	53.4	52.1	52.1	52.0	52.4	55.0
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	67.7	67.2	66.9	67.3	66.4	67.6
Efficiency of thermal power stations		43.2	43.4	44.2	43.9	42.3	43.5

2. Energy balance

Principal aggregates by product

	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	3 245	3 435	3 479	3 412	3 437	3 641
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	1 184	1 201	1 184	1 210	1 239	1 185
Crude oil	-	-	-	-	-	-
Natural Gas	4	4	3	3	3	3
Nuclear heat	1 343	1 408	1 518	1 431	1 469	1 618
Hydro-electricity	254	352	298	309	281	345
Biomass	460	470	476	459	445	490
Imports						
Total	4 284	4 463	4 686	4 850	4 804	5 517
<i>among which:</i> Hard coal	269	317	295	296	272	363
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	2 560	2 667	2 806	3 017	3 025	3 650
Natural Gas	902	894	925	896	912	876
Electricity	514	543	622	608	528	535
Exports						
Total	599	754	878	1 023	943	1 228
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	93	119	218	403	434	555
Natural gas	-	-	-	-	-	-
Electricity	500	610	650	604	508	672
Gross inland consumption						
Total	6 906	7 119	7 282	7 328	7 325	7 736
<i>among which:</i> Solid fuels	1 489	1 535	1 539	1 563	1 599	1 533
Crude oil and petrol. prod.	2 434	2 512	2 537	2 646	2 575	2 979
Natural gas	907	899	929	899	914	879
Nuclear Energy	1 343	1 408	1 518	1 431	1 469	1 618
Renewables	714	822	774	768	735	850
Transformation input						
Total	2 918	2 994	3 115	3 057	3 147	3 278
<i>among which:</i> Crude oil and feedstocks	1	1	1	1	1	1
Natural gas	146	126	134	126	135	139
Petroleum products	16	14	14	18	12	8
Hard coal	207	214	213	205	229	207
Lignite and peat	1 167	1 191	1 198	1 239	1 266	1 223
Renewables	36	40	37	37	34	82
Transformation output						
Total	1 164	1 194	1 245	1 222	1 225	1 288
<i>among which:</i> Electricity	934	961	1 002	991	1 013	1 065
Heat	228	232	241	230	212	223

		SLOVENIJA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		4 674	4 782	4 874	4 933	4 867	5 232
<i>among which:</i>	Solid fuels	85	77	80	78	79	80
	Petroleum products	2 302	2 325	2 386	2 437	2 399	2 790
	Natural Gas	633	666	665	657	645	640
	Renewables	423	430	440	422	420	423
	Electricity	1 036	1 079	1 096	1 132	1 140	1 101
Final energy consumption by sector							
Industry							
Total		1 496	1 530	1 653	1 694	1 599	1 480
<i>among which:</i>	Solid fuels	81	77	80	78	79	80
	Petroleum Products	189	195	228	257	176	174
	Natural Gas	499	511	541	550	548	526
	Renewables	97	104	113	95	81	75
	Electricity	566	581	617	640	642	543
Transport							
Total		1 340	1 384	1 475	1 555	1 754	2 052
<i>among which:</i>	Motor spirit	783	697	685	668	646	673
	Diesel oil	516	651	750	842	1 044	1 303
	Jet fuel	26	20	23	25	32	35
	Electricity	15	16	17	17	17	17
Services & households etc.							
Total		1 838	1 868	1 746	1 683	1 514	1 700
<i>among which:</i>	Solid fuels	4	0	-	-	-	-
	Gas oil	705	697	633	589	433	539
	Natural Gas	134	155	124	107	97	114
	Renewables	326	326	327	326	326	326
	Electricity	454	482	462	475	482	542
	Heat	131	142	134	132	111	116

3.1 Electricity balance

	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	13 820	15 271	15 117	15 115	15 043	16 399
<i>among which:</i>						
Hydro	2 957	4 094	3 461	3 591	3 266	4 018
Wind	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Nuclear	5 207	5 459	5 884	5 548	5 695	6 273
Conventional thermal	5 656	5 718	5 772	5 976	6 082	6 107
<i>of which:</i>						
Hard coal	508	525	519	504	543	517
Lignite and peat	4 600	4 666	4 752	4 932	4 939	4 806
Petroleum products	50	43	42	52	29	16
Natural gas	370	358	339	371	453	476
Derived gases	-	-	-	-	-	-
Biomass	122	121	114	110	113	288
Industrial wastes	6	5	6	7	5	4
Total net generation	12 895	14 308	14 149	14 117	14 044	15 357
Imports and exports						
Total imports	5 975	6 314	7 234	7 071	6 140	6 218
Total exports	5 811	7 094	7 558	7 020	5 911	7 820
Consumption and losses						
Consumption of the energy branch	1 081	1 095	1 097	1 131	1 141	1 181
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	856	850	954	870	867	809
Final energy consumption	12 047	12 546	12 742	13 165	13 264	12 806
<i>of which:</i>						
Industry	6 588	6 755	7 172	7 440	7 468	6 311
<i>among which:</i>						
Iron&steel industry	644	657	750	819	601	766
Non-ferrous metals	1 757	1 798	1 911	1 838	1 963	1 284
Chemical industry	897	903	852	832	900	621
Non-met. mineral prod.	470	443	461	492	523	514
Food, drink, tobacco	300	284	296	352	319	296
Pulp, paper and print	684	734	753	744	729	669
Engineering & metal	889	945	1 035	1 162	1 307	1 182
Other industries	626	683	816	885	814	714
Transport	179	190	198	198	195	196
Services & households etc.	5 280	5 601	5 372	5 527	5 601	6 299
<i>among which:</i>						
Households	3 008	3 012	2 951	3 055	3 021	3 182

3.2 Electrical capacity, fuel inputs and heat

		SLOVENIJA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	2 970	2 965	2 992	3 038	3 035	2 988
<i>by source:</i>							
Conventional thermal		1 340	1 335	1 357	1 363	1 351	1 295
<i>of which:</i>							
Steam		1 001	997	1 003	1 006	992	868
Gas turbine		319	318	321	321	321	385
Combined cycle		-	-	-	-	-	-
Internal combustion		19	20	33	36	38	42
Nuclear		656	656	656	666	666	666
Hydro		974	974	979	1 009	1 018	1 027
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		2 784	2 782	2 810	2 858	2 861	2 814
Autoproducers		186	183	182	180	174	175
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	1 488	1 505	1 507	1 551	1 622	1 605
<i>among which:</i>							
Hard coal		207	214	213	205	229	206
Lignite and peat		1 167	1 191	1 198	1 239	1 266	1 223
Petroleum products		11	9	9	11	8	5
Natural gas		75	63	58	67	90	95
Renewables		27	29	29	29	29	76
Heating plants		86	79	89	74	55	53
<i>among which:</i>							
Hard coal		-	-	0	0	0	0
Lignite and peat		-	-	-	-	-	-
Petroleum products		5	5	5	7	4	3
Natural gas		72	63	76	59	46	44
Renewables		9	11	8	8	5	6
Heat production and consumption							
Total heat production	1 000 toe	228	232	241	230	212	223
<i>among which: in heating plants</i>							
		72	71	72	63	48	49
Heat consumption		189	195	196	190	170	184
<i>of which: in industry</i>							
		58	53	62	58	60	69
<i>in households and services</i>							
		131	142	134	132	111	116
<i>among which: in households</i>							
		100	107	109	101	93	100

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Refinery intake	1	1	1	1	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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	1	1	1	1	1	1
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Total imports	2 515	2 640	2 777	2 996	2 998	3 615
Total exports	91	116	212	394	428	548
Bunkers	-	-	22	30	49	67
Stock changes	-32	-36	-28	57	30	-50
Gross inland consumption	2 392	2 488	2 515	2 629	2 551	2 950
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	1	2	1	13	1	-
United Kingdom	1	26	-	4	-	204
Russia	5	3	49	4	9	7
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	783	719	730	701	665	768
Kerosene and jet fuel	30	23	22	26	33	34
Gas/diesel oil	1 394	1 520	1 641	1 798	1 879	2 334
Residual fuel oil	63	52	65	84	77	85
Exports by product						
<i>among which:</i>						
Motor spirit	27	30	62	75	71	100
Kerosene and jet fuel	2	1	-	1	-	1
Gas/diesel oil	55	81	141	298	314	389
Residual fuel oil	-	-	-	-	9	3
Consumption						
Inputs to electricity plants						
Inputs to heating plants	11	9	9	11	8	5
Non-energy use	5	5	5	7	4	3
Final energy consumption	124	193	179	207	183	203
	2 253	2 281	2 344	2 398	2 356	2 739
Industry						
	196	206	241	273	188	186
<i>among which by product:</i>						
Gas/diesel oil	109	100	111	134	102	99
Residual fuel oil	41	47	59	43	17	15

	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	1	1	3	4	2	7
Non-ferrous metals	5	4	5	6	7	5
Chemical industry	16	11	14	13	13	10
Non-met. mineral prod.	49	53	58	78	62	61
Food, drink, tobacco	32	33	30	36	17	15
Pulp, paper and print	1	13	30	12	2	4
Engineering & metal	32	26	28	35	24	18
Other industries	43	49	60	75	50	56
Transport	1 277	1 322	1 411	1 489	1 674	1 957
<i>among which:</i>						
Motor spirit	745	663	652	636	615	640
Jet fuel	25	19	22	24	31	34
Diesel oil	507	640	737	828	1 026	1 281
Services & households etc.	780	753	692	636	494	596
<i>among which:</i>						
Gas oil	693	685	622	579	426	530
Residual fuel oil	11	-	1	-	-	-
Stocks at end of period						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	148	187	213	156	126	176

5. Natural gas

<i>in TJ (GCV)</i>	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	199	201	160	160	120	120
Total imports	41 982	41 608	43 049	41 673	42 408	40 757
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	42 181	41 809	43 209	41 833	42 528	40 877
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	16 772	16 620	17 189	13 460	13 662	12 344
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	25 118	24 912	25 746	21 337	21 657	19 288
Consumption						
Inputs to electricity plants	3 476	2 917	2 705	3 107	4 164	4 440
Inputs to heat plants	3 339	2 951	3 549	2 732	2 130	2 034
Consumption of energy branch	199	201	160	160	137	149
Distribution losses	-	-	-	-	-	-
Non-energy use	5 729	4 762	5 869	5 260	6 080	4 473
Industry	23 214	23 759	25 158	25 584	25 510	24 475
<i>among which:</i>						
Iron&steel industry	3 067	3 235	3 554	3 464	3 374	3 383
Non-ferrous metals	790	838	881	941	1 252	1 267
Chemical industry	2 813	3 143	2 482	2 481	2 638	2 643
Non-met. mineral prod.	3 935	4 224	4 726	5 291	5 608	5 188
Food, drink, tobacco	2 445	1 407	1 460	1 719	1 521	1 635
Pulp, paper and print	4 422	4 841	5 020	4 544	4 971	4 797
Engineering & metal	2 516	2 928	3 500	3 440	3 066	2 883
Other industries	1 581	1 609	2 034	2 080	1 737	1 605
Transport	-	-	-	-	-	-
Services & households etc.	6 224	7 219	5 768	4 990	4 507	5 306
<i>among which:</i>						
Households	4 013	4 560	4 581	4 346	3 968	4 758
Services	2 211	2 659	1 187	644	539	548

6.1 Hard coal

<i>in 1 000 t</i>	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	568	629	593	605	573	769
Total exports	11	49	21	35	3	1
Stock changes	42	14	39	-3	23	-172
Gross inland consumption	599	594	611	567	593	596
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	13	13	36	34	18	40
South Africa	-	-	-	-	43	24
USA	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	477	478	488	453	470	484
Inputs to heat plants	-	-	1	1	1	1
Consumption of energy branch	-	-	-	-	-	-
Industry	108	102	113	104	115	110
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	41	32	39	37	59	62
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	65	70	73	66	55	48
Engineering & metal	-	-	-	-	1	-
Other industries	2	-	1	1	-	-
Services & households etc.	1	1	-	-	-	-

6.2 Coal derivatives and peat

	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
Lignite and peat	4 830	4 809	4 540	4 522	4 535	4 520
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	34	32	31	34	29	33
<i>among which:</i>						
Iron & steel industry	6	-	8	11	9	10
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	15	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	15	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
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					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	714	822	774	768	726	835
Hydro (excl. pumping)		254	352	298	309	281	345
Wind		-	-	-	-	-	-
Solar		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Biomass		460	470	476	459	445	490
	<i>among which:</i>						
Wood, wood-waste		454	463	469	449	429	469
Municipal solid waste		-	-	-	-	-	-
Biogas		6	7	7	8	12	14
Gross inland consumption		714	822	774	768	735	850
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		36	40	37	37	34	82
	<i>among which:</i>						
Wood, wood-waste		32	35	31	30	23	70
Municipal waste		-	-	-	-	-	-
Biogas		5	5	5	7	10	12
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	423	430	440	422	420	423
	<i>by sector:</i>						
Industry		97	104	113	95	81	75
Services & households etc.		326	326	327	326	326	326
Transport		-	-	-	2	13	22
	<i>by source:</i>						
Biomass		423	430	440	422	420	423
	<i>among which:</i>						
Wood, wood-waste		422	428	438	419	405	399
Municipal waste		-	-	-	-	-	-
Biogas		1	2	1	1	2	2
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	1
Hydro with installed capacity < 1 MW		140	238	236	274	260	264
Hydro with installed capacity > 1 & <10 MW		126	199	147	151	149	193
Hydro with installed capacity > 10 MW		2 690	3 658	3 078	3 166	2 856	3 561
Wood, Wood-waste		98	90	82	76	65	232
Municipal waste		-	-	-	-	-	-
Biogas		24	30	32	35	48	56

	SLOVENIJA					
	2003	2004	2005	2006	2007	2008
Electrical capacities of RES						
	<i>in MW</i>					
Solar photovoltaics (peak)	-	-	-	-	-	-
Hydro with installed capacity < 1 MW	115	106	107	107	118	117
Hydro with installed capacity > 1 & <10 MW	36	37	36	36	33	37
Hydro with installed capacity > 10 MW	831	831	836	866	867	873
Wood, Wood-waste	13	13	13	14	14	48
Municipal waste	-	-	-	-	-	-
Biogas	3	5	5	6	8	9
Liquid biofuels						
Production	<i>1000 t</i>					
	-	-	-	2	5	8
Solar Panels						
Solar panel surface	<i>1000 m²</i>					
	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		SLOVENSKO					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	6 281	6 151	6 251	6 302	5 622	6 097
Net energy imports		12 648	13 204	12 481	12 046	12 476	12 066
Net oil imports		3 193	3 323	3 312	3 473	3 516	3 653
Net gas imports		5 993	6 290	5 754	5 193	4 981	4 976
Gross inland energy consumption		19 233	19 130	19 051	18 832	18 074	18 528
Final energy consumption		10 702	10 845	10 620	10 704	10 500	10 678
Industry		4 363	4 383	4 499	4 557	4 394	4 316
Transport		1 604	1 586	1 789	1 824	2 021	2 159
Services and households etc.		4 736	4 875	4 332	4 323	4 085	4 203
Gross electricity generation	<i>GWh</i>	31 178	30 567	31 455	31 368	28 056	28 962
Final electricity consumption		22 985	24 027	22 850	23 585	24 573	24 765
Socio-economic statistics							
Population	<i>1000 per.</i>	5 379	5 380	5 385	5 389	5 394	5 401
Total imports (current prices)	<i>Mio EUR</i>	22 906	26 258	31 114	39 336	47 999	55 169
among which:							
All energy commodities		:	2 019	3 668	4 776	4 720	6 301
Oil products		:	1 026	2 060	2 751	3 007	3 732
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	3 575	3 556	3 538	3 494	3 351	3 430
Final energy consumption / capita		1 990	2 016	1 972	1 986	1 947	1 977
Household consumption / capita		523	495	470	430	386	395
Final electricity consumption / capita	<i>kWh/cap.</i>	4 273	4 466	4 243	4 376	4 556	4 585
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	65.8	69.0	65.5	64.0	69.0	65.1
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	55.6	56.7	55.7	56.8	58.1	57.6
Efficiency of thermal power stations		52.6	55.0	54.2	53.8	55.9	53.4

2. Energy balance

Principal aggregates by product

in 1 000 toe	SLOVENSKO					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	6 281	6 151	6 251	6 302	5 622	6 097
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	819	817	637	562	551	624
Crude oil	49	43	35	31	24	21
Natural Gas	166	142	126	176	109	87
Nuclear heat	4 608	4 392	4 573	4 646	3 955	4 309
Hydro-electricity	299	353	399	378	383	347
Biomass	331	397	473	501	589	697
Imports						
Total	17 029	18 111	17 537	17 358	17 762	16 966
<i>among which:</i> Hard coal	3 258	3 399	3 481	3 116	3 379	2 956
Crude oil and feedstocks	5 743	6 173	5 556	5 854	6 194	6 059
Petroleum products	816	1 094	1 334	1 306	1 245	1 322
Natural Gas	5 996	6 290	6 065	5 687	5 130	5 130
Electricity	741	751	688	739	1 168	809
Exports						
Total	4 380	4 908	5 056	5 312	5 286	4 900
<i>among which:</i> Crude oil and feedstocks	71	181	139	154	107	134
Petroleum products	3 295	3 763	3 438	3 533	3 816	3 594
Natural gas	3	-	311	494	150	154
Electricity	935	911	969	939	1 019	764
Gross inland consumption						
Total	19 233	19 130	19 051	18 832	18 074	18 528
<i>among which:</i> Solid fuels	4 608	4 526	4 229	4 456	4 006	3 985
Crude oil and petrol. prod.	3 423	3 496	3 750	3 671	3 850	3 981
Natural gas	6 136	6 111	5 921	5 378	5 089	5 166
Nuclear Energy	4 608	4 392	4 573	4 646	3 955	4 309
Renewables	633	742	825	859	992	1 013
Transformation input						
Total	16 754	16 765	16 375	16 443	15 656	15 601
<i>among which:</i> Crude oil and feedstocks	6 330	6 784	6 371	6 413	6 776	6 634
Natural gas	1 367	1 391	1 271	1 060	913	858
Petroleum products	120	104	101	107	108	109
Hard coal	2 616	2 576	2 573	2 582	2 408	2 129
Lignite and peat	992	809	723	695	613	757
Renewables	66	73	99	154	149	186
Transformation output						
Total	12 127	12 405	12 071	12 144	11 993	11 551
<i>among which:</i> Electricity	2 365	2 266	2 296	2 308	2 015	2 125
Heat	1 327	1 286	1 255	1 117	1 018	951

		SLOVENSKO					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		10 702	10 845	10 620	10 704	10 500	10 678
<i>among which:</i>	Solid fuels	1 393	1 723	1 539	1 673	1 453	1 574
	Petroleum products	2 008	1 973	2 170	2 109	2 204	2 302
	Natural Gas	3 587	3 318	3 233	3 268	3 057	3 074
	Renewables	268	315	327	326	457	479
	Electricity	1 976	2 066	1 965	2 028	2 113	2 129
Final energy consumption by sector							
Industry							
Total		4 363	4 383	4 499	4 557	4 394	4 316
<i>among which:</i>	Solid fuels	1 275	1 490	1 474	1 553	1 260	1 288
	Petroleum Products	341	297	312	250	249	229
	Natural Gas	1 005	855	969	954	977	946
	Renewables	262	275	277	241	323	299
	Electricity	881	922	949	1 021	1 048	1 080
Transport							
Total		1 604	1 586	1 789	1 824	2 021	2 159
<i>among which:</i>	Motor spirit	697	638	683	638	644	655
	Diesel oil	805	854	997	1 051	1 169	1 259
	Jet fuel	34	27	39	40	49	63
	Electricity	62	61	49	45	50	47
Services & households etc.							
Total		4 736	4 875	4 332	4 323	4 085	4 203
<i>among which:</i>	Solid fuels	118	233	65	120	192	286
	Gas oil	74	80	81	71	69	75
	Natural Gas	2 578	2 458	2 256	2 310	2 061	2 120
	Renewables	4	39	38	39	46	54
	Electricity	1 033	1 083	967	962	1 015	1 002
	Heat	871	905	869	763	681	645

3.1 Electricity balance

	SLOVENSKO					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	31 178	30 567	31 455	31 368	28 056	28 962
<i>among which:</i>						
Hydro	3 672	4 207	4 741	4 566	4 615	4 241
Wind	2	6	7	6	8	7
Geothermal	-	-	-	-	-	-
Nuclear	17 864	17 026	17 727	18 012	15 334	16 703
Conventional thermal	9 640	9 328	8 980	8 784	8 099	8 011
<i>of which:</i>						
Hard coal	3 553	3 342	3 520	3 365	2 894	2 458
Lignite and peat	2 413	2 339	2 016	1 944	1 908	2 214
Petroleum products	708	737	741	722	710	681
Natural gas	2 396	2 421	2 184	1 910	1 617	1 607
Derived gases	429	420	445	420	421	477
Biomass	112	35	56	422	497	530
Industrial wastes	29	34	18	1	52	44
Total net generation	28 715	28 153	29 291	28 775	25 750	26 645
Imports and exports						
Total imports	8 623	8 731	8 005	8 590	13 580	9 412
Total exports	10 878	10 593	11 270	10 921	11 855	8 891
Consumption and losses						
Consumption of the energy branch	3 807	3 253	3 549	3 937	3 630	3 513
<i>of which:</i>						
Consumption for pumped-storage	70	61	52	77	67	80
Network losses	1 939	1 318	1 687	1 399	1 414	1 003
Final energy consumption	22 985	24 027	22 850	23 585	24 573	24 765
<i>of which:</i>						
Industry	10 250	10 724	11 034	11 873	12 186	12 562
<i>among which:</i>						
Iron&steel industry	2 415	2 602	2 292	2 563	2 726	2 416
Non-ferrous metals	2 022	2 352	2 376	2 400	2 120	2 502
Chemical industry	1 460	1 406	1 699	1 797	1 774	1 564
Non-met. mineral prod.	1 013	788	800	810	950	831
Food, drink, tobacco	529	506	543	508	520	541
Pulp, paper and print	911	1 036	1 023	1 260	1 142	1 256
Engineering & metal	919	1 001	999	1 445	1 777	2 135
Other industries	704	736	972	796	891	1 067
Transport	726	708	572	527	586	550
Services & households etc.	12 009	12 595	11 244	11 185	11 801	11 653
<i>among which:</i>						
Households	5 039	4 817	4 701	4 577	4 602	4 531

3.2 Electrical capacity, fuel inputs and heat

		SLOVENSKO					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	8 202	8 268	8 247	8 210	7 329	7 338
<i>by source:</i>							
Conventional thermal		3 052	3 107	3 090	3 051	2 609	2 585
<i>of which:</i>							
Steam		2 744	2 802	2 770	2 753	2 304	2 287
Gas turbine		24	24	17	21	22	21
Combined cycle		254	254	254	220	256	256
Internal combustion		14	10	20	19	24	18
Nuclear		2 640	2 640	2 640	2 640	2 200	2 200
Hydro		2 507	2 518	2 512	2 514	2 515	2 548
<i>among which:</i>							
Pumped storage		919	916	916	916	916	916
Wind		3	3	5	5	5	5
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		7 520	7 678	7 693	7 600	6 714	6 720
Autoproducers		692	600	564	620	629	637
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	2 857	2 571	2 478	2 377	2 134	2 142
<i>among which:</i>							
Hard coal		920	873	923	920	816	654
Lignite and peat		971	790	715	690	608	750
Petroleum products		114	99	99	106	108	109
Natural gas		744	718	638	504	433	417
Renewables		47	31	40	97	110	140
Heating plants		678	749	718	624	533	502
<i>among which:</i>							
Hard coal		3	3	-	-	-	-
Lignite and peat		21	19	8	6	5	6
Petroleum products		7	5	2	1	-	-
Natural gas		623	673	633	556	479	441
Renewables		19	42	59	58	39	46
Heat production and consumption							
Total heat production	1 000 toe	1 327	1 286	1 255	1 117	1 018	951
<i>among which: in heating plants</i>							
		604	621	630	543	473	448
Heat consumption		1 026	1 004	951	829	742	714
<i>of which: in industry</i>							
		155	99	82	66	62	69
<i>in households and services</i>							
		871	905	869	763	681	645
<i>among which: in households</i>							
		683	624	625	544	482	443

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	SLOVENSKO					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	48	42	34	31	24	21
Total imports	5 666	6 075	5 455	5 778	6 094	5 964
Total exports	70	178	137	152	105	132
Stock changes	35	-179	89	-78	-101	-29
Refinery intake	6 244	6 677	6 258	6 329	6 667	6 531
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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	35	15	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	5 520	5 826	5 353	5 721	6 056	5 902
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	SLOVENSKO					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	6 154	6 575	6 191	6 276	6 628	6 415
<i>among which:</i>						
Motor spirit	1 597	1 670	1 584	1 449	1 596	1 516
Kerosene and jet fuel	64	62	38	47	80	91
Naphtha	515	573	560	543	538	498
Gas/diesel oil	2 349	2 598	2 455	2 587	2 819	2 774
Residual fuel oil	635	585	543	654	544	512
Total imports	823	1 106	1 342	1 332	1 252	1 336
Total exports	3 278	3 736	3 414	3 523	3 798	3 571
Bunkers	-	-	-	-	-	-
Stock changes	-107	22	-30	-97	49	-31
Gross inland consumption	-2 562	-2 608	-2 102	-2 288	-2 497	-2 266
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	1	1	8	8	1	1
United Kingdom	-	-	-	-	-	-
Russia	6	16	10	10	9	12
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	246	216	307	258	228	235
Kerosene and jet fuel	22	93	76	12	2	-
Gas/diesel oil	233	445	515	499	587	597
Residual fuel oil	64	41	31	104	50	103
Exports by product						
<i>among which:</i>						
Motor spirit	1 130	1 275	1 187	1 090	1 180	1 116
Kerosene and jet fuel	32	20	30	8	14	24
Gas/diesel oil	1 587	2 013	1 825	1 899	2 097	1 982
Residual fuel oil	274	157	113	212	270	233
Consumption						
Inputs to electricity plants						
Inputs to heating plants	119	104	103	111	112	112
Non-energy use	7	5	2	1	-	-
Final energy consumption	925	918	852	877	945	968
	1 977	1 938	2 136	2 082	2 168	2 259
Industry						
	356	307	325	268	261	235
<i>among which by product:</i>						
Gas/diesel oil	27	37	19	18	21	18
Residual fuel oil	230	136	192	193	208	158

	SLOVENSKO					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	-	6	2	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	230	186	212	131	158	142
Non-met. mineral prod.	59	70	70	87	63	65
Food, drink, tobacco	4	2	3	5	1	1
Pulp, paper and print	8	8	5	8	7	6
Engineering & metal	4	1	2	2	1	1
Other industries	40	29	27	30	24	11
Transport	1 493	1 478	1 676	1 687	1 819	1 931
<i>among which:</i>						
Motor spirit	663	607	650	607	613	623
Jet fuel	33	26	38	39	48	61
Diesel oil	797	845	987	1 040	1 157	1 246
Services & households etc.	128	153	135	127	88	93
<i>among which:</i>						
Gas oil	73	79	80	70	68	74
Residual fuel oil	-	17	7	7	-	-
Stocks at end of period						
Crude oil and feedstocks	243	422	333	411	512	539
Petroleum products	550	528	558	655	606	637

5. Natural gas

<i>in TJ (GCV)</i>	SLOVENSKO					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	7 745	6 603	5 876	8 187	5 056	4 065
Total imports	278 951	292 628	282 145	264 567	238 667	238 647
Total exports	151	-	14 461	22 994	6 967	7 176
Stock changes	-1 102	-14 944	1 906	419	-	4 801
Gross inland consumption	285 443	284 287	275 466	250 179	236 756	240 337
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	278 951	292 628	282 145	264 567	236 839	238 647
Consumption						
Inputs to electricity plants	34 626	33 416	29 657	23 441	20 152	19 397
Inputs to heat plants	28 988	31 293	29 451	25 888	22 306	20 531
Consumption of energy branch	30 249	36 881	35 731	26 864	29 201	30 851
Distribution losses	5 483	5 788	5 760	74	8	4 458
Non-energy use	14 441	16 595	17 930	14 931	15 216	13 561
Industry	46 750	39 766	45 084	44 377	45 469	44 024
<i>among which:</i>						
Iron&steel industry	7 176	6 723	6 780	7 515	7 398	6 781
Non-ferrous metals	1 302	1 382	1 294	1 275	1 378	1 745
Chemical industry	4 764	3 442	3 373	3 560	3 663	6 219
Non-met. mineral prod.	9 669	7 466	11 029	8 907	10 254	7 517
Food, drink, tobacco	7 470	5 871	7 246	6 118	6 100	4 904
Pulp, paper and print	2 064	2 817	2 579	4 790	4 534	4 697
Engineering & metal	7 769	5 181	5 789	6 452	6 589	6 607
Other industries	2 732	2 647	3 776	2 880	2 956	3 497
Transport	183	274	367	215	844	377
Services & households etc.	119 933	114 334	104 932	107 443	95 883	98 624
<i>among which:</i>						
Households	74 864	69 156	65 943	59 698	51 649	54 996
Services	43 622	43 584	37 133	46 342	42 970	42 231

6.1 Hard coal

<i>in 1 000 t</i>	SLOVENSKO					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	4 945	5 183	5 263	4 665	5 286	4 600
Total exports	-	-	-	-	-	-
Stock changes	145	-32	-280	483	-265	51
Gross inland consumption	5 090	5 151	4 983	5 148	5 021	4 651
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	1 730	1 468	2 148	1 355	1 863	1 434
South Africa	-	-	-	16	-	-
USA	-	60	290	206	306	427
Consumption						
Inputs to electricity plants	1 540	1 598	1 540	1 536	1 285	1 083
Inputs to heat plants	5	5	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	716	1 093	1 092	1 170	1 135	1 018
<i>among which:</i>						
Iron&steel industry	449	851	848	947	889	775
Non-ferrous metals	16	11	9	6	4	4
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	185	152	170	161	178	187
Food, drink, tobacco	-	-	-	1	1	1
Pulp, paper and print	61	55	62	55	63	51
Engineering & metal	4	3	2	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	34	1	54	200	324

6.2 Coal derivatives and peat

		SLOVENSKO					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		1 886	1 883	1 846	1 856	1 748	1 582
Patent Fuel		-	-	-	-	-	-
Lignite and peat		3 097	2 952	2 511	2 201	2 111	2 423
Brown coal briquettes		-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		15 025	14 883	14 717	14 842	14 521	13 575
Blast-furnace gas		24 632	23 834	24 559	30 189	27 877	22 558
Gasworks gas		-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		1 193	1 182	1 065	1 094	758	859
	<i>among which:</i>						
	Iron & steel industry	1 112	1 081	1 023	1 050	707	804
	Services & households etc.	49	53	4	10	13	11
Patent Fuel		-	-	-	-	-	-
	<i>among which:</i>						
	Services & households etc.	-	-	-	-	-	-
Lignite and peat		546	820	437	500	407	518
	<i>among which:</i>						
	Industry	226	211	198	197	149	232
	Services & households etc.	320	609	239	303	258	286
Brown coal briquettes		1	10	1	1	1	2
	<i>among which:</i>						
	Industry	-	-	-	-	-	-
	Services & households etc.	1	10	1	1	1	2
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		10 592	10 387	10 034	9 988	10 157	9 198
Blast-furnace gas		8 516	8 513	8 481	10 110	10 032	7 893
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		2 601	2 592	2 769	2 568	2 551	3 023
Inputs to heat plants		33	48	34	43	37	24
Consumption of energy branch		16 364	15 805	16 247	17 865	16 921	14 855
Consumption in industry		19 108	18 900	18 515	20 098	20 189	17 091

7. Renewable energy sources

		SLOVENSKO					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	638	758	881	886	983	1 056
Hydro (excl. pumping)		299	353	399	378	383	347
Wind		0	1	1	1	1	1
Solar		-	-	0	0	0	0
Geothermal		8	8	8	6	10	11
Biomass		331	397	473	501	589	697
	<i>among which:</i>						
Wood, wood-waste		300	350	398	409	484	502
Municipal solid waste		26	29	35	42	38	46
Biogas		4	6	5	8	7	10
Gross inland consumption		633	742	825	859	992	1 013
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		7	7	7	5	9	9
Biomass		59	67	92	150	140	177
	<i>among which:</i>						
Wood, wood-waste		32	37	53	105	97	134
Municipal waste		26	29	35	42	38	36
Biogas		2	1	4	3	5	6
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	268	315	327	326	457	479
	<i>by sector:</i>						
Industry		262	275	277	241	323	299
Services & households etc.		4	39	38	39	46	54
Transport		2	1	11	45	89	126
	<i>by source:</i>						
Biomass		267	314	326	324	456	478
	<i>among which:</i>						
Wood, wood-waste		263	308	314	275	364	339
Municipal waste		-	-	-	-	-	9
Biogas		2	5	1	5	2	3
Geothermal		1	1	1	2	2	2
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		13	20	37	38	44	58
Hydro with installed capacity > 1 & <10 MW		15	22	23	26	35	108
Hydro with installed capacity > 10 MW		3 452	4 058	4 578	4 335	4 372	3 874
Wood, Wood-waste		84	3	4	367	441	476
Municipal waste		26	30	47	47	45	39
Biogas		2	2	4	8	11	15

		SLOVENSKO					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		5	9	16	20	13	25
Hydro with installed capacity > 1 & <10 MW		5	5	46	43	44	65
Hydro with installed capacity > 10 MW		1 578	1 588	1 535	1 534	1 542	1 542
Wood, Wood-waste		1	-	44	108	134	147
Municipal waste		6	6	6	6	6	6
Biogas		1	1	2	2	3	4
Liquid biofuels							
Production	<i>1000 t</i>	2	12	35	43	70	179
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	-	72	80	89

1. Energy economy

Key figures and energy indicators

		SUOMI /FINLAND					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	15 606	15 530	16 339	17 934	15 894	16 251
Net energy imports		22 420	20 958	19 306	20 866	20 296	20 181
Net oil imports		11 343	11 132	10 985	11 570	11 026	11 325
Net gas imports		4 084	3 951	3 598	3 876	3 722	3 853
Gross inland energy consumption		37 333	37 609	34 796	37 890	37 588	36 319
Final energy consumption		25 728	26 208	25 368	26 902	26 727	25 878
Industry		12 376	12 877	12 082	13 350	12 957	12 451
Transport		4 703	4 809	4 822	4 948	5 143	4 957
Services and households etc.		8 649	8 523	8 464	8 604	8 627	8 471
Gross electricity generation	<i>GWh</i>	84 230	85 817	70 550	82 304	81 246	77 436
Final electricity consumption		80 855	83 128	80 938	85 775	86 324	82 613
Socio-economic statistics							
Population	<i>1000 per.</i>	5 206	5 220	5 237	5 256	5 277	5 301
Total imports (current prices)	<i>Mio EUR</i>	45 965	50 284	58 813	67 195	73 056	74 979
among which:							
All energy commodities		4 481	4 481	5 887	8 473	8 213	10 967
Oil products		3 145	3 616	4 899	6 436	6 488	8 271
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	7 171	7 205	6 645	7 210	7 123	6 852
Final energy consumption / capita		4 942	5 021	4 844	5 119	5 065	4 882
Household consumption / capita		979	947	951	970	976	942
Final electricity consumption / capita	<i>kWh/cap.</i>	15 530	15 926	15 456	16 321	16 359	15 586
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	59.1	55.0	54.7	54.3	53.4	55.0
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	68.9	69.7	72.9	71.0	71.1	71.3
Efficiency of thermal power stations		64.9	68.0	76.6	68.8	71.0	74.8

2. Energy balance

Principal aggregates by product

	SUOMI /FINLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	15 606	15 530	16 339	17 934	15 894	16 251
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	1 832	885	2 129	3 224	1 088	1 157
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	5 864	5 860	6 003	5 909	6 042	5 922
Hydro-electricity	825	1 296	1 185	988	1 219	1 471
Biomass	7 078	7 479	7 007	7 799	7 528	7 677
Imports						
Total	28 696	27 285	24 615	26 847	27 005	27 211
<i>among which:</i> Hard coal	6 291	5 171	3 004	4 168	4 154	3 519
Crude oil and feedstocks	12 501	12 740	11 068	12 709	12 659	12 332
Petroleum products	4 458	4 068	5 058	4 524	4 740	5 638
Natural Gas	4 084	3 951	3 598	3 876	3 722	3 853
Electricity	1 022	1 003	1 543	1 214	1 326	1 385
Exports						
Total	6 275	6 326	5 310	5 981	6 709	7 030
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	5 616	5 676	5 142	5 663	6 373	6 645
Natural gas	-	-	-	-	-	-
Electricity	604	584	80	234	246	287
Gross inland consumption						
Total	37 333	37 609	34 796	37 890	37 588	36 319
<i>among which:</i> Solid fuels	8 315	7 508	4 925	7 370	7 185	5 386
Crude oil and petrol. prod.	10 506	11 086	10 625	10 979	10 822	10 862
Natural gas	4 084	3 951	3 598	3 876	3 722	3 853
Nuclear Energy	5 864	5 860	6 003	5 909	6 042	5 922
Renewables	7 864	8 727	8 130	8 724	8 690	9 150
Transformation input						
Total	33 514	32 760	29 061	33 933	33 503	32 470
<i>among which:</i> Crude oil and feedstocks	13 575	14 027	13 248	14 457	15 050	15 499
Natural gas	2 838	2 816	2 488	2 630	2 275	2 372
Petroleum products	516	419	366	457	422	363
Hard coal	5 383	4 788	2 648	4 724	4 160	3 065
Lignite and peat	2 177	1 850	1 381	1 942	2 104	1 650
Renewables	2 294	2 334	2 263	3 148	2 780	2 950
Transformation output						
Total	25 056	25 175	23 084	26 511	26 420	26 127
<i>among which:</i> Electricity	6 410	6 073	4 866	6 075	5 750	5 164
Heat	4 070	4 060	3 895	4 764	4 589	4 515

		SUOMI /FINLAND					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		25 728	26 208	25 368	26 902	26 727	25 878
<i>among which:</i>	Solid fuels	988	951	968	955	934	911
	Petroleum products	7 961	8 094	8 000	8 241	8 082	7 758
	Natural Gas	905	788	795	890	917	827
	Renewables	4 737	5 086	4 666	4 574	4 675	4 706
	Electricity	6 952	7 148	6 959	7 375	7 423	7 103
Final energy consumption by sector							
Industry							
Total		12 376	12 877	12 082	13 350	12 957	12 451
<i>among which:</i>	Solid fuels	956	919	938	924	903	881
	Petroleum Products	1 602	1 698	1 660	1 844	1 515	1 515
	Natural Gas	832	714	719	811	838	749
	Renewables	3 462	3 795	3 373	3 240	3 335	3 320
	Electricity	3 810	3 965	3 720	4 036	4 043	3 721
Transport							
Total		4 703	4 809	4 822	4 948	5 143	4 957
<i>among which:</i>	Motor spirit	1 988	1 969	1 957	1 955	1 956	1 645
	Diesel oil	2 094	2 183	2 199	2 274	2 392	2 404
	Jet fuel	506	548	565	608	676	720
	Electricity	54	54	56	58	62	63
Services & households etc.							
Total		8 649	8 523	8 464	8 604	8 627	8 471
<i>among which:</i>	Solid fuels	32	32	31	31	30	31
	Gas oil	1 436	1 384	1 327	1 375	1 320	1 269
	Natural Gas	70	72	73	75	75	74
	Renewables	1 271	1 287	1 293	1 333	1 339	1 310
	Electricity	3 089	3 129	3 184	3 281	3 317	3 319
	Heat	2 469	2 354	2 305	2 371	2 373	2 306

3.1 Electricity balance

<i>in GWh</i>	SUOMI /FINLAND					
	2003	2004	2005	2006	2007	2008
Generation						
Total gross generation	84 230	85 817	70 550	82 304	81 246	77 436
<i>among which:</i>						
Hydro	9 591	15 070	13 784	11 494	14 177	17 112
Wind	93	120	170	156	188	261
Geothermal	-	-	-	-	-	-
Nuclear	22 731	22 716	23 271	22 906	23 423	22 958
Conventional thermal	51 813	47 909	33 322	47 745	43 454	37 101
<i>of which:</i>						
Hard coal	18 880	16 503	6 492	16 320	13 956	8 512
Lignite and peat	7 320	6 525	4 482	6 643	7 399	5 200
Petroleum products	934	615	497	483	468	425
Natural gas	13 941	12 779	11 251	12 317	10 556	11 247
Derived gases	566	629	687	647	590	598
Biomass	9 700	10 509	9 607	10 860	10 060	10 575
Industrial wastes	472	349	306	475	425	544
Total net generation	80 381	82 156	67 811	78 627	77 825	74 480
Imports and exports						
Total imports	11 882	11 667	17 948	14 118	15 419	16 107
Total exports	7 030	6 797	933	2 717	2 862	3 335
Consumption and losses						
Consumption of the energy branch	4 780	4 598	3 631	4 689	4 436	4 261
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	3 447	2 959	2 999	3 244	3 043	3 334
Final energy consumption	80 855	83 128	80 938	85 775	86 324	82 613
<i>of which:</i>						
Industry	44 306	46 111	43 261	46 942	47 019	43 278
<i>among which:</i>						
Iron&steel industry	3 201	3 371	3 271	3 465	3 476	3 284
Non-ferrous metals	1 918	2 098	2 055	2 123	1 995	1 911
Chemical industry	4 633	4 781	4 667	4 871	5 064	4 820
Non-met. mineral prod.	942	985	996	1 034	1 019	990
Food, drink, tobacco	1 547	1 573	1 572	1 470	1 468	1 460
Pulp, paper and print	25 118	26 275	23 576	26 789	26 507	23 591
Engineering & metal	2 463	2 469	2 524	2 457	2 649	2 728
Other industries	3 664	3 724	3 769	3 859	3 902	3 546
Transport	627	630	648	675	724	733
Services & households etc.	35 922	36 387	37 029	38 158	38 581	38 602
<i>among which:</i>						
Households	20 405	20 364	20 578	21 140	21 491	21 169

3.2 Electrical capacity, fuel inputs and heat

		SUOMI /FINLAND					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	16 553	16 563	16 464	16 557	16 698	16 642
<i>by source:</i>							
Conventional thermal		10 864	10 811	10 676	10 738	10 815	10 726
<i>of which:</i>							
Steam		7 381	7 328	7 193	7 255	7 273	7 189
Gas turbine		1 847	1 847	1 847	1 847	1 906	1 901
Combined cycle		1 586	1 586	1 586	1 586	1 586	1 586
Internal combustion		50	50	50	50	50	50
Nuclear		2 671	2 671	2 671	2 671	2 671	2 671
Hydro		2 966	2 999	3 035	3 062	3 102	3 102
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		52	82	82	86	110	143
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		14 286	14 297	14 198	14 292	14 453	14 460
Autoproducers		2 270	2 270	2 270	2 270	2 250	2 188
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	11 737	10 584	7 533	11 276	10 074	8 746
<i>among which:</i>							
Hard coal		4 427	3 832	1 690	3 799	3 242	2 163
Lignite and peat		2 079	1 757	1 283	1 840	1 969	1 518
Petroleum products		226	137	102	157	133	128
Natural gas		2 603	2 493	2 193	2 374	1 980	2 076
Renewables		2 108	2 136	2 043	2 884	2 524	2 645
Heating plants		1 024	971	954	980	1 030	1 012
<i>among which:</i>							
Hard coal		59	63	65	57	49	39
Lignite and peat		98	93	98	102	135	132
Petroleum products		290	282	264	300	289	235
Natural gas		235	323	295	256	296	296
Renewables		186	198	220	265	255	305
Heat production and consumption							
Total heat production	1 000 toe	4 070	4 060	3 895	4 764	4 589	4 515
<i>among which: in heating plants</i>							
		906	984	989	1 111	1 174	1 161
Heat consumption		3 789	3 763	3 597	4 452	4 292	4 195
<i>of which: in industry</i>							
		1 320	1 410	1 292	2 081	1 919	1 890
<i>in households and services</i>							
		2 469	2 354	2 305	2 371	2 373	2 306
<i>among which: in households</i>							
		1 493	1 387	1 431	1 470	1 481	1 426

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	SUOMI /FINLAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	12 167	12 395	10 748	12 326	12 304	11 988
Total exports	-	-	-	-	-	-
Stock changes	-77	-64	168	-184	-3	-201
Refinery intake	13 224	13 665	12 889	14 053	14 662	15 104
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	-	-	-	131	-	-
Near and Middle East	-	-	-	-	-	-
Africa	-	-	-	131	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	650	498	386	466	565	244
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	1 066	585	209	1 300	462	1 180
Russia	7 807	9 511	8 548	7 770	9 074	9 863
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	SUOMI /FINLAND					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	13 028	13 474	12 766	14 073	14 503	14 887
<i>among which:</i>						
Motor spirit	4 304	4 321	4 061	4 298	4 348	4 308
Kerosene and jet fuel	614	714	592	715	717	683
Naphtha	188	258	205	254	318	248
Gas/diesel oil	5 038	5 078	4 964	5 816	5 863	6 386
Residual fuel oil	1 267	1 445	1 318	1 271	1 402	1 372
Total imports	4 431	4 033	5 041	4 517	4 729	5 620
Total exports	5 450	5 507	4 990	5 501	6 218	6 496
Bunkers	654	527	518	570	467	409
Stock changes	-185	341	-237	-128	-73	-205
Gross inland consumption	-1 828	-1 627	-677	-1 651	-2 016	-1 479
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	119	115	168	249	322	396
United Kingdom	125	63	39	52	65	99
Russia	2 100	1 944	2 713	2 307	2 813	2 836
Norway	614	556	633	335	372	232
OPEC	11	-	-	-	-	44
Imports by product						
<i>among which:</i>						
Motor spirit	421	360	344	97	95	107
Kerosene and jet fuel	15	17	103	80	77	600
Gas/diesel oil	2 082	1 990	2 492	2 482	2 655	2 774
Residual fuel oil	983	654	803	737	786	800
Exports by product						
<i>among which:</i>						
Motor spirit	2 561	2 776	2 384	2 418	2 428	2 277
Kerosene and jet fuel	79	185	154	146	99	99
Gas/diesel oil	2 243	1 882	1 839	2 222	2 569	2 995
Residual fuel oil	23	141	67	78	463	516
Consumption						
Inputs to electricity plants						
Inputs to heating plants	236	143	106	164	138	134
Non-energy use	302	294	275	312	301	244
Final energy consumption	947	944	1 011	738	1 206	1 187
	7 808	7 940	7 841	8 067	7 907	7 586
Industry	1 623	1 718	1 674	1 836	1 508	1 497
<i>among which by product:</i>						
Gas/diesel oil	554	567	584	583	436	422
Residual fuel oil	863	907	805	787	679	641

	SUOMI /FINLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	424	456	422	458	383	401
Non-ferrous metals	17	20	16	15	15	13
Chemical industry	138	160	184	287	271	318
Non-met. mineral prod.	91	108	106	120	115	110
Food, drink, tobacco	61	64	56	49	41	23
Pulp, paper and print	314	314	291	270	244	212
Engineering & metal	35	42	41	42	35	31
Other industries	502	474	517	512	373	363
Transport	4 499	4 602	4 618	4 738	4 925	4 676
<i>among which:</i>						
Motor spirit	1 892	1 874	1 862	1 860	1 861	1 565
Jet fuel	493	534	550	592	658	701
Diesel oil	2 058	2 145	2 161	2 235	2 351	2 363
Services & households etc.	1 686	1 620	1 549	1 493	1 474	1 413
<i>among which:</i>						
Gas oil	1 411	1 360	1 304	1 351	1 297	1 247
Residual fuel oil	143	141	128	133	162	151
Stocks at end of period						
Crude oil and feedstocks	1 140	1 204	1 036	1 220	1 223	1 424
Petroleum products	2 304	2 038	2 275	2 306	2 379	2 584

5. Natural gas

<i>in TJ (GCV)</i>	SUOMI /FINLAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	190 004	183 779	167 381	180 308	173 166	179 240
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	190 004	183 779	167 381	180 308	173 166	179 240
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	190 004	183 779	167 381	180 308	173 166	179 240
Consumption						
Inputs to electricity plants	121 097	115 969	102 017	110 439	92 102	96 557
Inputs to heat plants	10 917	15 038	13 720	11 901	13 748	13 788
Consumption of energy branch	13 417	12 978	12 589	12 958	14 936	18 281
Distribution losses	-	-	-	-	-	-
Non-energy use	2 000	2 400	2 440	3 471	9 576	12 050
Industry	38 702	33 204	33 462	37 708	38 972	34 843
<i>among which:</i>						
Iron&steel industry	2 731	2 610	2 512	2 580	2 518	2 405
Non-ferrous metals	9	10	11	11	12	12
Chemical industry	889	881	852	1 728	2 178	1 904
Non-met. mineral prod.	3 378	3 400	3 340	3 546	3 559	3 258
Food, drink, tobacco	1 230	1 010	820	950	1 329	1 218
Pulp, paper and print	25 442	24 330	24 423	26 021	27 477	25 039
Engineering & metal	499	506	738	817	726	599
Other industries	4 267	209	511	1 792	910	150
Transport	120	120	120	160	160	200
Services & households etc.	3 272	3 352	3 392	3 512	3 512	3 432
<i>among which:</i>						
Households	1 210	1 275	1 352	1 572	1 707	1 747
Services	1 463	1 518	1 441	1 341	1 286	1 286

6.1 Hard coal

<i>in 1 000 t</i>	SUOMI /FINLAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	10 146	8 286	4 723	6 684	6 670	5 672
Total exports	-	-	-	-	-	-
Stock changes	-1 284	-204	-125	928	405	-686
Gross inland consumption	8 862	8 082	4 598	7 612	7 075	4 986
Imports						
Imports by origin						
<i>among which:</i>						
Australia	525	336	487	249	559	292
Colombia	59	-	-	323	88	68
Russia	5 594	5 493	2 736	3 622	4 824	3 770
South Africa	412	-	-	379	-	254
USA	266	430	382	791	354	533
Consumption						
Inputs to electricity plants	7 276	6 368	2 808	6 238	5 387	3 593
Inputs to heat plants	97	106	106	93	81	64
Consumption of energy branch	-	-	-	-	-	-
Industry	257	237	276	201	182	201
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	70	79	89	-	-	-
Non-met. mineral prod.	167	139	168	181	163	182
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	20	19	19	20	19	19
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	8	7	7	7	6	7

6.2 Coal derivatives and peat

	SUOMI /FINLAND					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	895	904	894	870	865	860
Patent Fuel	-	-	-	-	-	-
Lignite and peat	7 305	3 633	8 737	13 235	4 466	4 750
Brown coal briquettes	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	8 047	7 704	7 425	7 289	7 540	7 170
Blast-furnace gas	17 489	17 828	18 013	18 596	18 323	17 841
Gasworks gas	-	-	-	-	-	-
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	814	786	784	765	750	730
<i>among which:</i>						
Iron & steel industry	780	749	747	730	715	699
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	1 088	1 092	1 072	1 259	1 269	1 187
<i>among which:</i>						
Industry	979	979	964	1 149	1 159	1 078
Services & households etc.	109	113	108	110	110	109
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	6 802	6 722	6 564	6 789	6 337	6 063
Blast-furnace gas	9 633	8 712	9 176	10 428	10 634	9 735
Gasworks gas	-	-	-	-	-	-
Inputs to electricity plants	7 194	8 229	8 031	7 894	7 581	7 596
Inputs to heat plants	619	469	468	47	105	136
Consumption of energy branch	-	-	-	-	-	-
Consumption in industry	16 435	15 434	15 740	17 217	16 971	15 798

7. Renewable energy sources

		SUOMI /FINLAND					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	7 911	8 786	8 208	8 801	8 764	9 172
Hydro (excl. pumping)		825	1 296	1 185	988	1 219	1 471
Wind		8	10	15	13	16	22
Solar		1	1	1	1	1	1
Geothermal		-	-	-	-	-	-
Biomass		7 078	7 479	7 007	7 799	7 528	7 677
	<i>among which:</i>						
Wood, wood-waste		6 939	7 304	6 808	7 628	7 315	7 412
Municipal solid waste		118	149	157	134	172	210
Biogas		20	26	42	36	42	45
Gross inland consumption		7 864	8 727	8 130	8 724	8 690	9 150
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		2 294	2 334	2 263	3 148	2 780	2 950
	<i>among which:</i>						
Wood, wood-waste		2 178	2 216	2 108	3 014	2 616	2 761
Municipal waste		104	106	128	111	139	162
Biogas		11	12	27	24	25	28
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	4 737	5 086	4 666	4 574	4 675	4 706
	<i>by sector:</i>						
Industry		3 462	3 795	3 373	3 240	3 335	3 320
Services & households etc.		1 271	1 287	1 293	1 333	1 339	1 310
Transport		4	5	-	1	1	75
	<i>by source:</i>						
Biomass		4 737	5 086	4 666	4 573	4 675	4 705
	<i>among which:</i>						
Wood, wood-waste		4 710	5 024	4 622	4 537	4 623	4 564
Municipal waste		14	43	29	23	33	48
Biogas		9	14	14	13	17	17
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		2	2	3	3	4	4
Hydro with installed capacity < 1 MW		90	139	127	98	150	167
Hydro with installed capacity > 1 & <10 MW		663	1 120	1 025	830	1 056	1 449
Hydro with installed capacity > 10 MW		8 838	13 811	12 633	10 566	12 972	15 496
Wood, Wood-waste		9 385	10 182	9 238	10 538	9 661	10 057
Municipal waste		291	304	347	294	369	430
Biogas		24	22	22	27	29	87

		SUOMI /FINLAND					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		3	3	4	5	5	6
Hydro with installed capacity < 1 MW		31	31	31	31	31	31
Hydro with installed capacity > 1 & <10 MW		275	275	275	285	285	285
Hydro with installed capacity > 10 MW		2 660	2 693	2 729	2 746	2 786	2 786
Wood, Wood-waste		1 700	1 700	1 720	1 730	1 757	1 757
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>	-	-	-	-	-	11
Solar Panels							
Solar panel surface	<i>1000 m²</i>	12	14	16	18	21	25

1. Energy economy

Key figures and energy indicators

		SVERIGE					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	30 390	33 799	34 149	32 304	33 093	32 781
Net energy imports		22 847	20 373	20 179	19 797	18 969	19 752
Net oil imports		18 259	17 041	17 416	16 059	15 463	16 794
Net gas imports		888	884	843	882	911	827
Gross inland energy consumption		50 657	52 694	51 671	50 378	50 189	49 996
Final energy consumption		33 920	33 859	33 686	33 109	33 246	32 836
Industry		12 823	12 942	12 628	12 661	12 824	12 292
Transport		8 088	8 405	8 590	8 565	8 744	9 055
Services and households etc.		13 009	12 512	12 469	11 882	11 678	11 488
Gross electricity generation	<i>GWh</i>	135 437	151 729	158 437	143 422	148 926	150 036
Final electricity consumption		129 443	130 361	132 373	130 806	131 082	128 649
Socio-economic statistics							
Population	<i>1000 per.</i>	8 941	8 976	9 011	9 048	9 113	9 183
Total imports (current prices)	<i>Mio EUR</i>	101 918	109 798	120 757	135 847	148 635	153 652
among which:							
All energy commodities		6 932	7 829	10 545	12 688	12 342	16 589
Oil products		5 659	6 571	9 182	10 759	10 660	14 287
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	5 666	5 871	5 734	5 568	5 507	5 444
Final energy consumption / capita		3 794	3 772	3 738	3 659	3 648	3 576
Household consumption / capita		825	796	810	774	738	723
Final electricity consumption / capita	<i>kWh/cap.</i>	14 478	14 524	14 690	14 457	14 384	14 010
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	43.7	37.3	37.7	37.8	36.3	38.0
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	67.0	64.3	65.2	65.7	66.2	65.7
Efficiency of thermal power stations		80.9	85.1	83.9	84.4	86.1	86.0

2. Energy balance

Principal aggregates by product

in 1 000 toe	SVERIGE					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	30 390	33 799	34 149	32 304	33 093	32 781
among which:						
Hard coal	-	-	-	-	-	-
Lignite and peat	241	267	211	185	155	250
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	17 390	19 988	18 670	17 277	17 275	16 480
Hydro-electricity	4 604	5 170	6 260	5 307	5 689	5 939
Biomass	8 093	8 297	8 921	9 443	9 842	9 931
Imports						
Total	33 953	32 978	32 602	32 015	30 848	33 427
among which:						
Hard coal	2 202	2 197	2 218	2 125	2 204	1 996
Crude oil and feedstocks	20 649	21 118	20 611	19 859	18 511	21 760
Petroleum products	7 687	6 973	7 312	7 407	7 543	7 415
Natural Gas	888	884	843	882	911	827
Electricity	2 088	1 345	1 253	1 508	1 380	1 097
Exports						
Total	11 106	12 605	12 423	12 217	11 879	13 675
among which:						
Crude oil and feedstocks	234	261	540	550	638	448
Petroleum products	9 842	10 788	9 967	10 657	9 953	11 933
Natural gas	-	-	-	-	-	-
Electricity	985	1 526	1 889	989	1 267	1 265
Gross inland consumption						
Total	50 657	52 694	51 671	50 378	50 189	49 996
among which:						
Solid fuels	2 678	2 944	2 628	2 691	2 648	2 458
Crude oil and petrol. prod.	15 787	15 491	14 858	14 108	13 549	14 337
Natural gas	888	884	843	882	911	827
Nuclear Energy	17 390	19 988	18 670	17 277	17 275	16 480
Renewables	12 760	13 545	15 268	14 842	15 663	16 051
Transformation input						
Total	45 473	49 056	47 076	46 368	43 919	46 206
among which:						
Crude oil and feedstocks	20 458	21 519	20 789	21 000	18 879	21 881
Natural gas	337	280	231	224	291	302
Petroleum products	897	668	513	564	387	235
Hard coal	1 704	1 672	1 596	1 964	1 694	1 612
Lignite and peat	328	383	293	236	237	352
Renewables	3 638	3 802	4 212	4 385	4 519	4 658
Transformation output						
Total	32 253	34 158	33 166	32 737	30 735	33 508
among which:						
Electricity	6 978	7 799	7 276	6 928	6 985	6 778
Heat	4 199	4 242	4 325	4 333	4 239	4 243

<i>in 1 000 toe</i>	SVERIGE					
	2003	2004	2005	2006	2007	2008
Final energy consumption						
Total	33 920	33 859	33 686	33 109	33 246	32 836
<i>among which:</i> Solid fuels	1 337	1 426	1 345	1 202	1 298	1 220
Petroleum products	12 186	11 862	11 306	10 657	10 490	10 432
Natural Gas	497	519	509	523	542	564
Renewables	4 460	4 500	4 715	5 064	5 332	5 282
Electricity	11 130	11 209	11 382	11 247	11 271	11 062
Final energy consumption by sector						
Industry						
Total	12 823	12 942	12 628	12 661	12 824	12 292
<i>among which:</i> Solid fuels	1 337	1 426	1 345	1 202	1 298	1 220
Petroleum Products	2 246	2 196	1 842	1 657	1 513	1 302
Natural Gas	332	353	338	356	360	375
Renewables	3 489	3 423	3 551	3 925	4 082	3 863
Electricity	4 824	4 918	4 949	4 931	4 986	4 958
Transport						
Total	8 088	8 405	8 590	8 565	8 744	9 055
<i>among which:</i> Motor spirit	4 215	4 130	4 063	3 936	3 843	3 537
Diesel oil	2 770	2 952	3 132	3 253	3 362	3 894
Jet fuel	700	843	846	866	936	989
Electricity	244	257	328	248	252	204
Services & households etc.						
Total	13 009	12 512	12 469	11 882	11 678	11 488
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Gas oil	2 028	1 564	1 269	834	755	584
Natural Gas	147	151	156	145	158	165
Renewables	894	935	1 029	952	966	1 048
Electricity	6 062	6 034	6 105	6 069	6 034	5 900
Heat	3 682	3 686	3 794	3 792	3 711	3 687

3.1 Electricity balance

	SVERIGE					
	2003	2004	2005	2006	2007	2008
	<i>in GWh</i>					
Generation						
Total gross generation	135 437	151 729	158 437	143 422	148 926	150 036
<i>among which:</i>						
Hydro	53 598	60 178	72 874	61 859	66 262	69 211
Wind	679	850	936	987	1 430	1 996
Geothermal	-	-	-	-	-	-
Nuclear	67 415	77 486	72 377	66 977	66 969	63 889
Conventional thermal	13 743	13 213	12 248	13 597	14 262	14 936
<i>of which:</i>						
Hard coal	2 846	1 010	648	879	649	514
Lignite and peat	-	-	-	-	-	-
Petroleum products	3 871	1 955	1 379	1 669	1 077	873
Natural gas	700	749	559	582	824	603
Derived gases	1 319	811	757	658	701	1 105
Biomass	5 007	7 943	8 301	9 211	10 578	11 183
Industrial wastes	-	745	604	598	433	658
Total net generation	132 537	148 531	154 612	140 374	145 133	146 410
Imports and exports						
Total imports	24 287	15 646	14 576	17 537	16 052	12 754
Total exports	11 457	17 750	21 968	11 497	14 736	14 715
Consumption and losses						
Consumption of the energy branch	8 063	8 274	6 897	7 656	8 396	8 299
<i>of which:</i>						
Consumption for pumped-storage	25	23	27	57	44	66
Network losses	10 667	10 935	11 709	10 867	10 661	10 985
Final energy consumption	129 443	130 361	132 373	130 806	131 082	128 649
<i>of which:</i>						
Industry	56 107	57 194	57 558	57 342	57 983	57 664
<i>among which:</i>						
Iron&steel industry	4 850	4 947	5 356	5 287	5 218	5 201
Non-ferrous metals	2 943	3 002	3 268	3 225	3 275	3 034
Chemical industry	6 663	6 796	6 635	6 353	6 137	5 904
Non-met. mineral prod.	1 133	1 156	1 045	1 052	1 135	1 233
Food, drink, tobacco	2 470	2 519	2 433	2 437	2 464	2 495
Pulp, paper and print	22 590	23 042	23 104	24 186	24 766	24 523
Engineering & metal	4 173	4 257	4 355	4 323	4 248	3 604
Other industries	8 379	8 511	8 592	7 676	7 963	8 399
Transport	2 838	2 989	3 816	2 885	2 929	2 372
Services & households etc.	70 498	70 178	70 999	70 579	70 170	68 613
<i>among which:</i>						
Households	41 998	41 375	42 663	41 490	39 638	38 929

3.2 Electrical capacity, fuel inputs and heat

		SVERIGE					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	33 361	33 649	33 733	34 122	34 294	33 935
<i>by source:</i>							
Conventional thermal		7 378	7 424	7 424	7 882	7 873	7 746
<i>of which:</i>							
Steam		5 669	5 553	5 553	5 706	5 782	5 607
Gas turbine		1 515	1 681	1 681	1 755	1 602	1 660
Combined cycle		88	111	111	336	401	392
Internal combustion		106	79	79	85	88	87
Nuclear		9 441	9 471	9 471	9 454	9 074	8 938
Hydro		16 143	16 302	16 345	16 270	16 637	16 437
<i>among which:</i>							
Pumped storage		45	36	43	36	45	85
Wind		399	452	493	516	710	814
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		32 340	32 662	32 708	33 027	33 100	32 632
Autoproducers		1 024	987	987	1 105	1 206	1 311
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	4 513	4 507	4 458	4 540	4 501	4 682
<i>among which:</i>							
Hard coal		459	389	272	376	269	209
Lignite and peat		227	266	221	179	146	263
Petroleum products		614	458	317	362	226	159
Natural gas		281	246	198	197	279	290
Renewables		2 623	2 840	3 123	3 111	3 315	3 494
Heating plants		1 382	1 256	1 328	1 497	1 413	1 331
<i>among which:</i>							
Hard coal		1	1	-	-	-	-
Lignite and peat		101	117	72	57	91	89
Petroleum products		215	145	129	141	103	57
Natural gas		50	30	28	23	7	7
Renewables		1 015	961	1 089	1 274	1 204	1 164
Heat production and consumption							
Total heat production	1 000 toe	4 199	4 242	4 325	4 333	4 239	4 243
<i>among which: in heating plants</i>		1 730	1 540	1 636	1 669	1 589	1 499
Heat consumption		4 063	4 091	4 174	4 180	4 093	4 063
<i>of which: in industry</i>		381	405	380	388	383	376
in households and services		3 682	3 686	3 794	3 792	3 711	3 687
<i>among which: in households</i>		2 408	2 440	2 513	2 528	2 508	2 455

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	SVERIGE					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	20 502	20 975	20 518	19 756	18 421	21 562
Total exports	231	257	532	542	629	441
Stock changes	-423	21	-178	542	10	-439
Refinery intake	20 312	21 374	20 698	20 894	18 788	21 679
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	3 968	2 594	1 824	1 389	1 483	1 894
Near and Middle East	3 151	1 711	574	289	288	-
Africa	-	-	126	-	-	1 106
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	216
Irak	-	-	-	-	-	-
Iran	3 151	1 711	574	289	288	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	137
Mexico	-	-	-	-	-	-
Nigeria	-	-	126	-	-	324
Norway	7 650	5 418	5 022	4 923	4 801	5 694
Russia	3 930	5 438	7 139	7 033	5 977	7 163
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	SVERIGE					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	19 384	20 308	19 800	19 861	17 953	20 831
<i>among which:</i>						
Motor spirit	4 309	4 506	4 045	4 182	3 729	4 562
Kerosene and jet fuel	109	208	70	179	196	247
Naphtha	664	295	263	239	237	244
Gas/diesel oil	6 942	7 238	6 951	7 204	6 414	7 991
Residual fuel oil	5 170	5 450	5 576	5 226	4 246	4 636
Total imports	7 417	6 690	7 038	7 120	7 273	7 171
Total exports	9 774	10 687	9 918	10 603	9 903	11 814
Bunkers	1 660	1 954	1 995	2 144	2 134	2 099
Stock changes	-450	314	-468	-427	112	11
Gross inland consumption	-4 467	-5 637	-5 343	-6 054	-4 652	-6 731
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	61	40	66	82	101	93
United Kingdom	778	387	464	305	225	516
Russia	930	635	553	533	411	112
Norway	2 426	2 378	2 441	2 478	2 565	2 684
OPEC	102	52	122	165	129	116
Imports by product						
<i>among which:</i>						
Motor spirit	1 753	1 804	1 792	1 739	1 882	1 647
Kerosene and jet fuel	596	784	821	840	809	894
Gas/diesel oil	2 311	1 895	1 867	1 835	1 839	1 763
Residual fuel oil	759	329	539	637	920	1 062
Exports by product						
<i>among which:</i>						
Motor spirit	1 963	2 360	1 916	2 198	1 944	2 710
Kerosene and jet fuel	15	69	13	16	19	49
Gas/diesel oil	3 810	4 290	3 807	4 154	3 871	5 028
Residual fuel oil	2 860	2 937	3 015	3 206	3 054	2 991
Consumption						
Inputs to electricity plants						
Inputs to heating plants	635	470	328	377	234	164
Non-energy use	218	147	131	142	103	57
Final energy consumption	2 050	2 123	2 177	2 262	2 293	2 219
	11 868	11 547	11 003	10 375	10 204	10 153
Industry						
	2 228	2 178	1 832	1 655	1 507	1 293
<i>among which by product:</i>						
Gas/diesel oil	445	413	400	377	346	289
Residual fuel oil	1 026	1 018	914	902	787	654

	SVERIGE					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	335	338	334	330	329	298
Non-ferrous metals	20	16	18	18	16	24
Chemical industry	524	535	255	110	119	91
Non-met. mineral prod.	149	145	162	163	154	110
Food, drink, tobacco	182	165	135	105	95	81
Pulp, paper and print	559	548	509	527	412	384
Engineering & metal	204	188	179	170	147	95
Other industries	166	158	160	158	152	117
Transport	7 483	7 721	7 842	7 840	7 918	8 194
<i>among which:</i>						
Motor spirit	4 011	3 930	3 866	3 745	3 657	3 366
Jet fuel	682	821	824	843	911	963
Diesel oil	2 722	2 901	3 078	3 197	3 304	3 827
Services & households etc.	2 157	1 648	1 329	880	779	666
<i>among which:</i>						
Gas oil	1 993	1 537	1 247	820	742	574
Residual fuel oil	124	74	43	48	27	83
Stocks at end of period						
Crude oil and feedstocks	1 692	1 671	1 849	1 307	1 297	1 736
Petroleum products	3 754	3 440	3 908	4 341	4 229	4 218

5. Natural gas

<i>in TJ (GCV)</i>	SVERIGE					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	41 322	41 142	39 199	41 024	42 358	38 450
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	41 322	41 142	39 199	41 024	42 358	38 450
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	13 077	11 434	9 193	9 145	12 973	13 503
Inputs to heat plants	2 330	1 374	1 321	1 063	315	328
Consumption of energy branch	159	188	63	181	25	26
Distribution losses	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-
Industry	15 448	16 414	15 743	16 540	16 752	17 437
<i>among which:</i>						
Iron&steel industry	1 009	1 177	1 261	1 388	1 472	1 532
Non-ferrous metals	252	294	294	336	420	437
Chemical industry	3 280	5 340	6 013	6 769	7 106	7 396
Non-met. mineral prod.	2 102	1 640	799	967	1 177	1 225
Food, drink, tobacco	4 793	4 120	4 247	4 541	3 784	3 938
Pulp, paper and print	2 313	1 514	1 261	1 177	799	832
Engineering & metal	883	1 388	1 052	588	1 010	1 052
Other industries	606	731	648	648	774	806
Transport	813	717	715	1 051	1 085	1 129
Services & households etc.	6 856	7 019	7 234	6 732	7 357	7 656
<i>among which:</i>						
Households	1 814	1 985	2 127	1 525	1 889	1 966
Services	4 012	4 001	4 077	4 156	4 383	4 562

6.1 Hard coal

	SVERIGE					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	3 195	3 186	3 203	3 052	3 180	2 857
Total exports	2	8	3	2	2	7
Stock changes	-270	151	-130	185	14	-76
Gross inland consumption	2 923	3 329	3 070	3 235	3 192	2 774
Imports						
Imports by origin						
<i>among which:</i>						
Australia	1 208	1 472	1 370	1 357	1 316	1 139
Colombia	-	-	-	-	-	-
Russia	174	458	847	762	707	764
South Africa	-	-	-	-	-	-
USA	346	428	492	357	423	567
Consumption						
Inputs to electricity plants	691	601	424	564	403	332
Inputs to heat plants	2	1	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	881	1 021	985	986	1 007	997
<i>among which:</i>						
Iron&steel industry	491	567	526	514	553	532
Non-ferrous metals	52	50	51	49	52	60
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	197	254	246	259	248	283
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	11	25	35	35	29	17
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

6.2 Coal derivatives and peat

	SVERIGE					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	1 288	1 372	1 411	1 188	1 194	1 176
Patent Fuel	-	-	-	-	-	-
Lignite and peat	806	893	708	621	520	837
Brown coal briquettes	-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	8 414	9 745	9 340	10 147	9 702	9 319
Blast-furnace gas	17 262	18 153	18 256	16 734	16 295	16 968
Gasworks gas	1 962	2 030	2 028	1 766	1 161	1 136
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	1 118	1 116	1 036	824	943	841
<i>among which:</i>						
Iron & steel industry	1 055	1 053	971	757	878	781
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	39	34	23	29	39	32
<i>among which:</i>						
Industry	39	34	23	29	39	32
Services & households etc.	-	-	-	-	-	-
Brown coal briquettes	2	2	5	3	-	-
<i>among which:</i>						
Industry	2	2	5	3	-	-
Services & households etc.	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	3 914	4 399	4 082	4 426	4 478	4 318
Blast-furnace gas	5 262	5 039	5 509	4 443	4 439	4 370
Gasworks gas	1 734	1 739	1 665	1 550	860	787
Inputs to electricity plants	10 796	11 967	12 339	10 793	9 956	10 794
Inputs to heat plants	12	131	159	97	412	586
Consumption of energy branch	4 302	4 763	4 511	5 039	4 737	4 556
Consumption in industry	9 350	9 741	9 731	8 969	8 926	8 717

7. Renewable energy sources

		SVERIGE					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	12 760	13 545	15 268	14 842	15 663	16 051
Hydro (excl. pumping)		4 604	5 170	6 260	5 307	5 689	5 939
Wind		58	73	80	85	123	172
Solar		5	5	6	6	9	10
Geothermal		-	-	-	-	-	-
Biomass		8 093	8 297	8 921	9 443	9 842	9 931
	<i>among which:</i>						
Wood, wood-waste		7 379	7 467	7 937	8 332	8 441	8 306
Municipal solid waste		602	635	736	765	923	1 059
Biogas		36	35	30	27	48	102
Gross inland consumption		12 760	13 545	15 268	14 842	15 663	16 051
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		3 638	3 802	4 212	4 385	4 519	4 658
	<i>among which:</i>						
Wood, wood-waste		3 001	3 114	3 363	3 461	3 402	3 463
Municipal waste		602	635	736	765	923	1 059
Biogas		36	35	30	27	48	25
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	4 460	4 500	4 715	5 064	5 332	5 282
	<i>by sector:</i>						
Industry		3 489	3 423	3 551	3 925	4 082	3 863
Services & households etc.		894	935	1 029	952	966	1 048
Transport		76	142	135	187	285	371
	<i>by source:</i>						
Biomass		4 455	4 495	4 709	5 058	5 323	5 272
	<i>among which:</i>						
Wood, wood-waste		4 379	4 353	4 574	4 871	5 039	4 843
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	77
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		2	2	2	2	3	4
Hydro with installed capacity < 1 MW		547	506	458	490	614	601
Hydro with installed capacity > 1 & <10 MW		2 133	3 003	3 027	2 928	3 175	3 188
Hydro with installed capacity > 10 MW		50 343	56 613	69 318	58 303	62 370	65 280
Wood, Wood-waste		5 220	6 614	6 874	7 503	8 496	8 932
Municipal waste		312	1 233	1 309	1 419	1 851	2 115
Biogas		36	62	53	46	64	30

	SVERIGE					
	2003	2004	2005	2006	2007	2008
Electrical capacities of RES						
	<i>in MW</i>					
Solar photovoltaics (peak)	8	8	8	5	6	8
Hydro with installed capacity < 1 MW	173	99	140	138	163	101
Hydro with installed capacity > 1 & <10 MW	772	724	765	760	797	815
Hydro with installed capacity > 10 MW	15 153	15 479	15 397	15 327	15 632	15 436
Wood, Wood-waste	1 670	1 670	2 526	3 202	2 570	2 761
Municipal waste	170	264	291	657	414	423
Biogas	20	20	42	24	24	24
Liquid biofuels						
Production	<i>1000 t</i>					
	103	215	290	404	543	598
Solar Panels						
Solar panel surface	<i>1000 m²</i>					
	185	276	371	409	440	480

1. Energy economy

Key figures and energy indicators

		UNITED KINGDOM					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	243 171	223 166	202 467	183 966	173 559	164 499
Net energy imports		-14 583	11 076	31 956	49 327	45 022	57 783
Net oil imports		-27 921	-14 003	-2 409	7 498	746	7 086
Net gas imports		-7 022	1 464	5 973	9 552	16 628	22 007
Gross inland energy consumption		231 187	232 320	232 734	229 201	220 270	218 506
Final energy consumption		152 195	153 511	153 914	152 343	149 720	148 622
Industry		36 995	35 682	36 019	35 450	34 315	32 775
Transport		52 665	53 912	55 206	55 948	56 197	54 934
Services and households etc.		62 534	63 917	62 689	60 944	59 208	60 912
Gross electricity generation	<i>GWh</i>	398 207	393 874	398 303	397 292	397 044	389 366
Final electricity consumption		336 217	338 947	346 476	344 297	341 364	341 562
Socio-economic statistics							
Population	<i>1000 per.</i>	59 438	59 700	60 060	60 426	60 781	61 179
Total imports (current prices)	<i>Mio EUR</i>	457 625	495 308	546 566	615 475	609 852	578 980
among which:							
All energy commodities		16 083	23 814	34 205	43 272	42 927	55 763
Oil products		14 029	19 846	27 766	35 343	34 762	41 916
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	3 890	3 891	3 875	3 793	3 624	3 572
Final energy consumption / capita		2 561	2 571	2 563	2 521	2 463	2 429
Household consumption / capita		738	749	724	698	671	688
Final electricity consumption / capita	<i>kWh/cap.</i>	5 657	5 678	5 769	5 698	5 616	5 583
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	-6.3	4.7	13.6	21.3	20.2	26.1
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	65.8	66.1	66.1	66.5	68.0	68.0
Efficiency of thermal power stations		43.2	43.3	43.0	43.4	44.7	43.9

2. Energy balance

Principal aggregates by product

	UNITED KINGDOM					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	243 171	223 166	202 467	183 966	173 559	164 499
<i>among which:</i> Hard coal	16 490	15 300	11 881	10 421	9 537	10 552
Lignite and peat	-	-	-	-	-	-
Crude oil	108 300	97 314	86 393	77 986	78 269	72 972
Natural Gas	92 634	86 770	79 397	72 008	64 912	62 703
Nuclear heat	22 877	20 636	21 054	19 463	16 258	13 539
Hydro-electricity	277	416	423	395	438	444
Biomass	2 462	2 538	3 039	3 292	3 644	3 620
Imports						
Total	99 779	117 168	125 244	139 729	137 210	146 297
<i>among which:</i> Hard coal	19 910	22 463	27 132	31 012	26 762	26 967
Crude oil and feedstocks	55 281	63 754	60 012	60 510	58 141	61 145
Petroleum products	16 692	18 746	22 686	27 278	24 285	24 268
Natural Gas	6 678	10 295	13 416	18 884	26 158	31 500
Electricity	440	841	960	884	741	1 057
Exports						
Total	114 361	106 092	93 288	90 402	92 188	88 514
<i>among which:</i> Crude oil and feedstocks	76 456	65 809	55 155	51 110	51 942	49 281
Petroleum products	23 437	30 694	29 952	29 181	29 738	29 047
Natural gas	13 700	8 831	7 443	9 332	9 531	9 493
Electricity	254	197	244	238	292	109
Gross inland consumption						
Total	231 187	232 320	232 734	229 201	220 270	218 506
<i>among which:</i> Solid fuels	38 831	38 140	38 008	41 062	38 455	35 834
Crude oil and petrol. prod.	79 956	81 294	82 974	82 259	78 099	77 960
Natural gas	85 882	87 752	85 473	81 062	81 964	84 471
Nuclear Energy	22 877	20 636	21 054	19 463	16 258	13 539
Renewables	2 978	3 500	4 157	4 460	4 861	5 589
Transformation input						
Total	177 340	180 508	177 611	173 173	168 193	166 602
<i>among which:</i> Crude oil and feedstocks	86 448	91 734	87 812	84 722	82 618	82 183
Natural gas	26 653	28 065	27 197	25 656	28 992	30 741
Petroleum products	799	686	732	658	493	647
Hard coal	35 707	34 356	35 225	37 114	34 307	34 165
Lignite and peat	-	-	-	-	-	-
Renewables	1 993	2 313	2 826	2 902	2 915	2 956
Transformation output						
Total	128 806	132 742	128 978	125 929	123 864	122 108
<i>among which:</i> Electricity	33 616	33 056	33 327	33 071	32 916	32 072
Heat	1 813	1 274	1 366	1 305	1 196	1 281

		UNITED KINGDOM					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		152 195	153 511	153 914	152 343	149 720	148 622
<i>among which:</i>	Solid fuels	6 566	6 269	5 995	6 208	6 324	6 430
	Petroleum products	62 734	64 310	65 917	66 277	65 735	62 955
	Natural Gas	51 031	51 372	49 751	47 574	45 498	46 531
	Renewables	596	604	658	798	1 054	1 577
	Electricity	28 909	29 144	29 792	29 604	29 352	29 369
Final energy consumption by sector							
Industry							
Total		36 995	35 682	36 019	35 450	34 315	32 775
<i>among which:</i>	Solid fuels	5 600	5 442	5 390	5 651	5 749	5 782
	Petroleum Products	6 869	6 763	7 024	6 765	6 498	5 386
	Natural Gas	12 863	11 914	11 716	11 278	10 467	10 254
	Renewables	217	216	160	172	221	267
	Electricity	9 747	9 961	10 363	10 139	10 061	9 764
Transport							
Total		52 665	53 912	55 206	55 948	56 197	54 934
<i>among which:</i>	Motor spirit	20 980	20 527	19 739	19 116	18 521	17 543
	Diesel oil	19 736	20 337	21 359	22 369	23 009	22 649
	Jet fuel	11 067	11 927	12 810	12 956	12 950	12 474
	Electricity	706	728	758	708	696	725
Services & households etc.							
Total		62 534	63 917	62 689	60 944	59 208	60 912
<i>among which:</i>	Solid fuels	965	827	605	557	575	649
	Gas oil	964	1 237	1 530	1 349	1 333	1 194
	Natural Gas	38 168	39 458	38 035	36 296	35 031	36 278
	Renewables	365	372	429	448	488	520
	Electricity	18 456	18 456	18 670	18 757	18 595	18 880
	Heat	659	425	438	436	438	437

3.1 Electricity balance

	UNITED KINGDOM						
	<i>in GWh</i>	2003	2004	2005	2006	2007	2008
Generation							
Total gross generation		398 207	393 874	398 303	397 292	397 044	389 366
<i>among which:</i>							
Hydro		5 961	7 492	7 795	8 446	8 948	9 257
Wind		1 285	1 935	2 904	4 225	5 274	7 097
Geothermal		-	-	-	-	-	-
Nuclear		88 686	79 999	81 618	75 451	63 028	52 486
Conventional thermal		302 272	304 444	305 978	309 160	319 780	320 509
<i>of which:</i>							
Hard coal		138 305	131 788	134 638	149 214	136 546	125 316
Lignite and peat		-	-	-	-	-	-
Petroleum products		4 594	4 644	5 339	5 810	4 732	6 101
Natural gas		148 881	157 065	152 639	140 828	165 784	176 748
Derived gases		1 537	1 480	1 699	1 764	1 624	1 383
Biomass		6 692	7 878	9 646	9 946	9 999	10 053
Industrial wastes		2 263	1 589	2 017	1 598	1 095	908
Total net generation		380 072	376 904	380 488	378 788	379 347	373 049
Imports and exports							
Total imports		5 119	9 784	11 160	10 282	8 613	12 294
Total exports		2 959	2 294	2 839	2 765	3 398	1 272
Consumption and losses							
Consumption of the energy branch		29 345	26 593	27 174	28 204	29 582	26 543
<i>of which:</i>							
Consumption for pumped-storage		812	848	834	1 065	1 212	1 282
Network losses		32 070	33 175	30 101	28 456	27 453	28 195
Final energy consumption		336 217	338 947	346 476	344 297	341 364	341 562
<i>of which:</i>							
Industry		113 357	115 841	120 525	117 918	117 007	113 558
<i>among which:</i>							
Iron&steel industry		5 434	5 412	5 020	5 860	4 924	4 868
Non-ferrous metals		7 284	7 518	7 693	7 524	7 331	7 079
Chemical industry		20 941	21 129	24 125	22 391	22 200	21 147
Non-met. mineral prod.		7 651	7 835	7 978	7 969	7 859	7 756
Food, drink, tobacco		11 949	12 348	12 773	12 317	12 283	12 224
Pulp, paper and print		12 750	13 671	13 725	13 406	13 356	13 220
Engineering & metal		20 518	21 001	21 894	21 680	21 538	20 858
Other industries		23 387	23 520	23 924	23 389	24 167	23 222
Transport		8 212	8 463	8 816	8 232	8 100	8 434
Services & households etc.		214 648	214 643	217 135	218 147	216 257	219 570
<i>among which:</i>							
Households		115 761	115 526	116 811	116 449	115 051	117 841

3.2 Electrical capacity, fuel inputs and heat

		UNITED KINGDOM					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	78 341	80 744	82 367	83 600	84 483	85 581
<i>by source:</i>							
Conventional thermal		61 473	63 672	64 661	66 436	66 758	66 823
<i>of which:</i>							
Steam		31 852	32 462	32 784	34 046	34 173	32 861
Gas turbine		2 847	2 029	1 844	1 911	1 931	1 739
Combined cycle		25 504	25 751	26 445	26 965	26 930	28 563
Internal combustion		174	164	163	153	152	149
Nuclear		11 852	11 852	11 852	10 969	10 979	10 979
Hydro		4 274	4 287	4 289	4 240	4 269	4 373
<i>among which:</i>							
Pumped storage		2 788	2 788	2 788	2 726	2 744	2 744
Wind		742	933	1 565	1 955	2 477	3 406
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		71 565	73 373	74 011	75 063	75 322	75 535
Autoproducers		6 783	7 380	8 368	8 552	9 180	10 070
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	60 194	60 464	61 188	61 223	61 557	62 842
<i>among which:</i>							
Hard coal		31 034	29 845	30 904	32 572	29 781	29 342
Lignite and peat		-	-	-	-	-	-
Petroleum products		653	627	677	601	438	592
Natural gas		25 118	26 375	25 457	23 951	27 297	28 949
Renewables		1 993	2 313	2 826	2 902	2 915	2 956
Heating plants		2 160	2 088	2 117	2 085	2 073	2 176
<i>among which:</i>							
Hard coal		370	281	273	276	275	281
Lignite and peat		-	-	-	-	-	-
Petroleum products		145	59	56	57	55	55
Natural gas		1 535	1 690	1 740	1 704	1 695	1 792
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	1 813	1 274	1 366	1 305	1 196	1 281
<i>among which: in heating plants</i>							
		1 813	1 274	1 366	1 305	1 196	1 281
Heat consumption		1 810	1 258	1 268	1 245	1 128	1 209
<i>of which: in industry</i>							
		1 152	832	831	809	690	773
<i>in households and services</i>							
		659	425	438	436	438	437
<i>among which: in households</i>							
		11	52	52	52	52	52

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	UNITED KINGDOM					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	106 073	95 374	84 722	76 578	76 832	71 665
Total imports	54 177	62 517	58 882	59 444	57 099	60 074
Total exports	74 898	64 503	54 098	50 196	51 000	48 410
Stock changes	1 155	-134	-384	-354	692	233
Refinery intake	84 706	89 938	86 136	83 213	81 118	80 724
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	4 995	4 479	5 338	5 433	6 437	7 451
Near and Middle East	2 752	1 603	2 113	738	1 323	376
Africa	1 334	4 170	3 539	3 995	4 977	8 730
<i>by country of origin:</i>						
Algeria	1 072	1 471	1 619	1 827	2 191	1 812
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	40
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	154	529	1 250	922	2 131
Mexico	583	322	442	340	268	264
Nigeria	130	248	324	422	1 038	2 243
Norway	32 578	39 771	37 513	31 831	32 599	33 155
Russia	4 397	7 457	5 051	8 933	6 778	5 183
Saudi Arabia	2 669	1 357	1 313	197	810	-
Syria	83	161	713	325	513	248
United Arab Emirates	-	-	87	216	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	UNITED KINGDOM					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	84 529	89 826	85 763	82 841	81 210	80 436
<i>among which:</i>						
Motor spirit	22 653	24 620	22 652	21 468	21 313	20 319
Kerosene and jet fuel	8 798	9 228	8 492	9 635	9 144	9 641
Naphtha	3 516	3 176	3 023	2 734	2 561	1 863
Gas/diesel oil	27 579	28 839	28 691	26 080	26 397	26 971
Residual fuel oil	11 517	12 988	11 728	12 277	11 809	11 349
Total imports	16 473	18 543	22 373	26 824	23 837	23 917
Total exports	23 316	30 494	29 723	29 007	29 491	28 811
Bunkers	1 764	2 085	2 053	2 348	2 372	2 595
Stock changes	37	-289	1 046	-841	459	11
Gross inland consumption	-8 570	-13 936	-8 037	-5 069	-7 358	-7 298
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	514	1 023	2 788	4 354	3 495	4 643
United Kingdom	-	-	-	-	-	-
Russia	384	1 810	1 190	1 186	1 282	1 410
Norway	434	1 429	2 131	1 141	458	596
OPEC	3 146	6 679	5 273	4 893	5 271	3 906
Imports by product						
<i>among which:</i>						
Motor spirit	2 034	2 194	2 389	3 805	3 286	3 324
Kerosene and jet fuel	7 673	8 018	9 490	8 653	8 159	8 489
Gas/diesel oil	3 503	4 216	4 922	8 063	8 250	7 468
Residual fuel oil	394	612	1 527	1 332	1 130	1 198
Exports by product						
<i>among which:</i>						
Motor spirit	5 608	7 342	6 589	7 001	7 338	7 019
Kerosene and jet fuel	1 143	1 396	1 678	1 309	1 501	2 121
Gas/diesel oil	5 528	6 623	6 315	5 819	6 533	7 277
Residual fuel oil	6 385	8 936	8 452	8 368	7 739	7 304
Consumption						
Inputs to electricity plants						
Inputs to heating plants	682	652	704	624	457	619
Non-energy use	151	61	58	59	57	57
Final energy consumption	10 413	10 583	10 135	9 685	7 639	8 227
Industry	60 811	62 400	63 988	64 365	63 865	61 244
<i>among which by product:</i>						
Gas/diesel oil	3 542	3 008	3 435	3 049	2 956	2 883
Residual fuel oil	936	1 268	1 055	1 078	1 037	1 014

	UNITED KINGDOM					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	247	330	283	249	220	220
Non-ferrous metals	45	50	50	50	45	44
Chemical industry	184	189	183	181	179	164
Non-met. mineral prod.	223	186	198	184	181	159
Food, drink, tobacco	206	319	298	261	248	261
Pulp, paper and print	53	55	80	56	61	61
Engineering & metal	267	245	273	251	249	199
Other industries	5 218	5 193	5 412	5 268	5 067	4 138
Transport	50 290	51 511	52 723	53 420	53 535	51 868
<i>among which:</i>						
Motor spirit	19 963	19 532	18 783	18 190	17 624	16 693
Jet fuel	10 776	11 613	12 473	12 615	12 609	12 146
Diesel oil	19 397	19 988	20 992	21 985	22 614	22 260
Services & households etc.	3 805	4 254	4 386	4 324	3 970	4 034
<i>among which:</i>						
Gas oil	947	1 216	1 504	1 326	1 310	1 173
Residual fuel oil	142	130	101	114	117	183
Stocks at end of period						
Crude oil and feedstocks	6 234	6 368	6 752	7 106	6 414	6 181
Petroleum products	6 796	7 085	6 039	6 880	6 426	6 415

5. Natural gas

<i>in TJ (GCV)</i>	UNITED KINGDOM					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	4 309 312	4 036 525	3 693 564	3 349 811	3 019 712	2 916 944
Total imports	310 675	478 926	624 135	878 505	1 216 892	1 465 394
Total exports	637 337	410 803	346 260	434 129	443 373	441 612
Stock changes	12 571	-22 446	4 756	-23 166	19 728	-11 113
Gross inland consumption	3 995 221	4 082 202	3 976 195	3 771 021	3 812 959	3 929 613
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	16 570	74 584	23 778	11 207
Egypt	-	-	-	44 874	6 304	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	258 317	343 323	460 416	565 333	812 750	1 021 399
Oman	-	-	-	-	-	-
Qatar	-	-	-	2 804	9 695	-
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	1 168 488	1 226 967	1 184 256	1 114 217	1 269 854	1 346 704
Inputs to heat plants	71 388	78 637	80 958	79 282	78 871	83 380
Consumption of energy branch	324 003	321 985	310 581	285 265	263 736	249 106
Distribution losses	18 444	26 043	39 471	43 224	43 445	49 082
Non-energy use	36 076	36 076	34 842	28 486	36 821	33 383
Industry	598 381	554 230	545 006	524 640	486 937	477 002
<i>among which:</i>						
Iron&steel industry	37 177	34 976	30 489	30 263	26 319	24 545
Non-ferrous metals	17 212	11 517	11 584	11 542	12 210	11 890
Chemical industry	162 173	151 205	147 861	140 556	132 362	129 508
Non-met. mineral prod.	50 778	48 244	47 877	46 088	40 378	39 927
Food, drink, tobacco	103 676	101 636	100 504	100 004	94 219	93 288
Pulp, paper and print	57 233	49 963	49 274	45 069	38 958	38 447
Engineering & metal	90 512	82 787	83 761	79 459	74 150	72 937
Other industries	51 176	48 270	47 986	47 768	45 374	44 497
Transport	-	-	-	-	-	-
Services & households etc.	1 775 588	1 835 590	1 769 400	1 688 488	1 629 623	1 687 636
<i>among which:</i>						
Households	1 391 350	1 427 079	1 382 432	1 317 062	1 270 593	1 307 933
Services	375 872	400 034	378 828	364 178	351 834	371 923

6.1 Hard coal

<i>in 1 000 t</i>	UNITED KINGDOM					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	27 759	24 536	20 008	18 079	16 540	17 605
Total imports	31 891	36 153	43 968	50 529	43 365	43 875
Total exports	542	622	536	443	544	599
Stock changes	3 237	-60	-2 151	-1 262	2 949	-3 395
Gross inland consumption	62 865	60 568	61 779	67 341	62 777	57 935
Imports						
Imports by origin						
<i>among which:</i>						
Australia	5 664	6 180	4 465	3 909	4 260	3 902
Colombia	3 411	3 635	3 292	3 798	3 853	5 294
Russia	5 387	9 932	17 528	22 972	20 892	21 524
South Africa	12 221	10 149	13 034	12 858	7 742	4 281
USA	1 154	2 065	1 509	2 108	2 523	4 281
Consumption						
Inputs to electricity plants	52 464	50 444	52 058	57 437	52 515	47 801
Inputs to heat plants	622	473	459	457	456	458
Consumption of energy branch	6	8	6	4	5	5
Industry	2 739	2 743	2 821	2 824	3 103	3 041
<i>among which:</i>						
Iron&steel industry	882	895	1 039	1 121	1 243	1 171
Non-ferrous metals	13	12	41	60	36	33
Chemical industry	70	148	132	85	143	144
Non-met. mineral prod.	1 199	1 127	1 120	1 047	1 150	1 150
Food, drink, tobacco	50	38	26	25	41	39
Pulp, paper and print	128	141	142	141	144	149
Engineering & metal	86	97	72	70	64	67
Other industries	225	203	178	205	208	212
Services & households etc.	1 067	969	663	595	674	714

6.2 Coal derivatives and peat

		UNITED KINGDOM					
		2003	2004	2005	2006	2007	2008
Production							
Solid fuels	<i>in 1 000 t</i>						
Coke		4 601	4 335	4 364	4 629	4 477	4 359
Patent Fuel		392	318	258	260	227	302
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
Derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		34 740	32 818	33 633	35 576	35 035	34 131
Blast-furnace gas		56 844	56 772	58 316	59 196	60 123	55 242
Gasworks gas		-	-	-	-	-	-
Consumption							
Solid fuels	<i>in 1 000 t</i>						
Coke		3 342	3 154	2 957	3 185	3 143	3 166
	<i>among which:</i>						
Iron & steel industry		3 069	2 989	2 842	3 083	3 039	3 060
Services & households etc.		129	51	34	22	15	12
Patent Fuel		358	315	256	257	233	294
	<i>among which:</i>						
Services & households etc.		341	303	256	257	233	294
Lignite and peat		-	-	-	-	-	-
	<i>among which:</i>						
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
	<i>among which:</i>						
Industry		-	-	-	-	-	-
Services & households etc.		-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>						
Coke-oven gas		6 415	7 190	6 811	8 815	8 952	7 141
Blast-furnace gas		17 143	16 733	16 254	18 706	18 243	16 598
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		39 081	40 293	41 462	40 482	40 230	35 939
Inputs to heat plants		4 993	2 584	2 151	2 151	2 151	2 151
Consumption of energy branch		17 633	16 642	16 579	17 345	21 140	20 737
Consumption in industry		23 558	23 923	23 065	27 521	27 195	23 739

7. Renewable energy sources

		UNITED KINGDOM					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	2 871	3 146	3 743	4 088	4 582	4 733
Hydro (excl. pumping)		277	416	423	395	438	444
Wind		110	166	250	363	453	610
Solar		20	25	30	37	46	57
Geothermal		1	1	1	1	1	1
Biomass		2 462	2 538	3 039	3 292	3 644	3 620
	<i>among which:</i>						
Wood, wood-waste		723	594	970	930	1 006	998
Municipal solid waste		612	590	595	643	669	702
Biogas		1 128	1 353	1 466	1 494	1 584	1 637
Gross inland consumption		2 978	3 500	4 157	4 460	4 861	5 589
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		1 993	2 313	2 826	2 902	2 915	2 956
	<i>among which:</i>						
Wood, wood-waste		419	534	939	921	838	814
Municipal waste		506	485	482	541	550	572
Biogas		1 068	1 294	1 405	1 440	1 527	1 571
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	596	604	658	798	1 054	1 577
	<i>by sector:</i>						
Industry		217	216	160	172	221	267
Services & households etc.		365	372	429	448	488	520
Transport		14	16	68	179	346	790
	<i>by source:</i>						
Biomass		576	578	627	761	1 009	1 520
	<i>among which:</i>						
Wood, wood-waste		396	398	385	427	486	534
Municipal waste		106	105	113	102	120	130
Biogas		60	60	61	54	58	66
Geothermal		1	1	1	1	1	1
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		3	4	8	10	14	17
Hydro with installed capacity < 1 MW		14	28	44	48	53	57
Hydro with installed capacity > 1 & <10 MW		129	254	399	429	481	511
Hydro with installed capacity > 10 MW		3 085	4 561	4 478	4 487	4 554	4 600
Wood, Wood-waste		1 538	1 949	3 382	3 324	2 920	2 768
Municipal waste		1 544	1 554	1 542	1 734	1 885	1 962
Biogas		3 610	4 444	4 722	4 881	5 173	5 323

		UNITED KINGDOM					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		6	8	11	14	14	23
Hydro with installed capacity < 1 MW		33	52	56	61	63	65
Hydro with installed capacity > 1 & <10 MW		86	91	102	92	103	108
Hydro with installed capacity > 10 MW		1 367	1 356	1 343	1 361	1 359	1 456
Wood, Wood-waste		163	157	475	512	530	513
Municipal waste		217	223	234	237	237	273
Biogas		676	790	900	941	989	996
Liquid biofuels							
Production	<i>1000 t</i>	-	-	9	256	441	337
Solar Panels							
Solar panel surface	<i>1000 m²</i>	573	700	863	1 066	1 320	1 641

1. Energy economy

Key figures and energy indicators

		HRVATSKA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	3 732	3 856	3 783	4 130	4 038	3 929
Net energy imports		4 996	5 105	5 252	4 878	5 336	5 507
Net oil imports		3 359	3 459	3 627	3 560	3 882	3 797
Net gas imports		651	577	562	189	248	427
Gross inland energy consumption		8 845	8 861	8 934	8 962	9 354	9 104
Final energy consumption		5 960	6 146	6 325	6 437	6 458	6 581
Industry		1 442	1 558	1 576	1 636	1 654	1 689
Transport		1 775	1 828	1 910	2 028	2 173	2 131
Services and households etc.		2 743	2 761	2 840	2 773	2 631	2 760
Gross electricity generation	<i>GWh</i>	12 670	13 322	12 459	12 430	12 245	12 326
Final electricity consumption		12 922	13 646	14 355	15 023	15 323	16 113
Socio-economic statistics							
Population	<i>1000 per.</i>	4 443	4 442	4 444	4 443	4 441	4 436
Total imports (current prices)	<i>Mio EUR</i>	15 236	16 259	17 535	19 707	21 562	23 816
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	1 991	1 995	2 010	2 017	2 106	2 052
Final energy consumption / capita		1 341	1 384	1 423	1 449	1 454	1 483
Household consumption / capita		421	425	433	418	387	402
Final electricity consumption / capita	<i>kWh/cap.</i>	2 909	3 072	3 230	3 381	3 450	3 632
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	56.4	57.5	58.6	54.3	56.9	60.3
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	67.4	69.4	70.8	71.8	69.0	72.3
Efficiency of thermal power stations		49.0	50.6	50.8	50.2	47.8	50.1

2. Energy balance

Principal aggregates by product

in 1 000 toe	HRVATSKA					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	3 732	3 856	3 783	4 130	4 038	3 929
among which:						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	1 143	1 083	1 017	985	935	871
Natural Gas	1 789	1 796	1 865	2 217	2 362	2 194
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	419	598	545	516	364	448
Biomass	381	379	355	412	366	405
Imports						
Total	7 097	7 625	7 846	7 778	8 182	8 047
among which:						
Hard coal	606	707	574	643	655	754
Crude oil and feedstocks	4 369	4 532	4 363	4 010	4 562	3 745
Petroleum products	760	1 022	1 181	1 441	1 382	1 815
Natural Gas	930	861	926	920	862	986
Electricity	385	456	752	715	672	702
Exports						
Total	2 101	2 519	2 594	2 900	2 846	2 540
among which:						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 770	2 095	1 917	1 891	2 062	1 763
Natural gas	279	284	365	732	614	559
Electricity	50	140	312	231	125	136
Gross inland consumption						
Total	8 845	8 861	8 934	8 962	9 354	9 104
among which:						
Solid fuels	653	690	683	634	691	709
Crude oil and petrol. prod.	4 700	4 421	4 534	4 610	4 719	4 467
Natural gas	2 356	2 458	2 377	2 351	2 701	2 577
Nuclear Energy	-	-	-	-	-	-
Renewables	800	977	901	884	697	786
Transformation input						
Total	7 422	7 060	6 841	6 523	7 319	6 294
among which:						
Crude oil and feedstocks	5 483	5 435	5 245	4 920	5 382	4 579
Natural gas	632	704	548	586	847	686
Petroleum products	775	421	506	511	549	473
Hard coal	529	494	532	496	532	549
Lignite and peat	3	5	5	5	5	1
Renewables	-	1	3	2	2	6
Transformation output						
Total	6 433	6 251	6 056	5 719	6 331	5 433
among which:						
Electricity	665	539	517	541	672	598
Heat	313	307	318	284	279	285

		HRVATSKA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		5 960	6 146	6 325	6 437	6 458	6 581
<i>among which:</i>	Solid fuels	118	191	146	133	153	158
	Petroleum products	2 955	2 977	3 093	3 215	3 240	3 217
	Natural Gas	1 130	1 170	1 232	1 193	1 195	1 261
	Renewables	381	378	352	364	327	328
	Electricity	1 111	1 173	1 234	1 292	1 318	1 385
Final energy consumption by sector							
Industry							
Total		1 442	1 558	1 576	1 636	1 654	1 689
<i>among which:</i>	Solid fuels	103	181	135	124	148	152
	Petroleum Products	441	430	503	556	506	528
	Natural Gas	491	527	528	525	554	566
	Renewables	60	64	53	63	62	55
	Electricity	294	304	301	318	339	341
Transport							
Total		1 775	1 828	1 910	2 028	2 173	2 131
<i>among which:</i>	Motor spirit	778	743	730	731	745	714
	Diesel oil	883	964	1 036	1 133	1 241	1 201
	Jet fuel	70	80	96	99	103	116
	Electricity	23	23	24	24	25	22
Services & households etc.							
Total		2 743	2 761	2 840	2 773	2 631	2 760
<i>among which:</i>	Solid fuels	15	9	11	9	5	6
	Gas oil	645	631	590	543	482	463
	Natural Gas	640	643	704	668	641	695
	Renewables	321	314	299	301	263	272
	Electricity	795	847	910	950	953	1 023
	Heat	202	198	204	182	174	180

3.1 Electricity balance

in GWh	HRVATSKA					
	2003	2004	2005	2006	2007	2008
Generation						
Total gross generation	12 670	13 322	12 459	12 430	12 245	12 326
<i>among which:</i>						
Hydro	4 936	7 051	6 438	6 124	4 400	5 326
Wind	-	2	10	19	35	40
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	7 734	6 269	6 011	6 287	7 810	6 960
<i>of which:</i>						
Hard coal	2 393	2 120	2 310	2 234	2 401	2 491
Lignite and peat	10	19	18	23	22	4
Petroleum products	3 158	1 667	1 855	1 961	2 315	1 985
Natural gas	2 173	2 459	1 814	2 058	3 065	2 459
Derived gases	-	-	-	-	-	-
Biomass	-	4	14	11	7	21
Industrial wastes	-	-	-	-	-	-
Total net generation	12 115	12 822	11 995	11 953	11 703	11 810
Imports and exports						
Total imports	4 479	5 298	8 746	8 313	7 812	8 164
Total exports	586	1 633	3 634	2 691	1 451	1 587
Consumption and losses						
Consumption of the energy branch	1 038	1 024	980	996	1 093	974
<i>of which:</i>						
Consumption for pumped-storage	26	40	44	53	70	48
Network losses	2 543	2 224	2 131	1 909	2 026	1 706
Final energy consumption	12 922	13 646	14 355	15 023	15 323	16 113
<i>of which:</i>						
Industry	3 414	3 530	3 498	3 701	3 942	3 969
<i>among which:</i>						
Iron&steel industry	137	188	180	206	203	245
Non-ferrous metals	80	80	93	91	96	78
Chemical industry	528	469	474	477	592	488
Non-met. mineral prod.	698	654	685	722	733	742
Food, drink, tobacco	527	583	530	566	588	651
Pulp, paper and print	321	291	312	326	332	320
Engineering & metal	379	410	423	452	504	525
Other industries	543	619	575	631	665	706
Transport	267	263	275	279	295	252
Services & households etc.	9 241	9 853	10 582	11 043	11 086	11 892
<i>among which:</i>						
Households	5 694	6 072	6 333	6 520	6 392	6 711

3.2 Electrical capacity, fuel inputs and heat

		HRVATSKA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	3 919	3 937	3 866	3 879	3 906	3 908
<i>by source:</i>							
Conventional thermal		1 843	1 854	1 800	1 802	1 814	1 816
<i>of which:</i>							
Steam		1 387	1 389	1 395	1 394	1 404	1 404
Gas turbine		196	203	130	130	138	138
Combined cycle		208	208	262	262	256	256
Internal combustion		52	54	13	16	16	18
Nuclear		-	-	-	-	-	-
Hydro		2 076	2 083	2 060	2 060	2 075	2 075
<i>among which:</i>							
Pumped storage		293	293	256	256	293	293
Wind		-	-	6	17	17	17
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		3 690	3 718	3 653	3 664	3 693	3 693
Autoproducers		229	225	213	215	213	215
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	1 827	1 515	1 479	1 500	1 840	1 623
<i>among which:</i>							
Hard coal		529	494	532	496	532	549
Lignite and peat		3	5	5	5	5	1
Petroleum products		720	364	449	461	507	442
Natural gas		575	651	490	535	793	625
Renewables		-	1	3	2	2	6
Heating plants		98	98	104	90	87	86
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		40	44	44	38	32	25
Natural gas		57	53	58	51	54	61
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	313	307	318	284	279	285
<i>among which: in heating plants</i>							
		83	79	83	71	71	71
Heat consumption		254	249	257	229	218	227
<i>of which: in industry</i>							
		52	51	54	48	44	47
<i>in households and services</i>							
		202	198	204	182	174	180
<i>among which: in households</i>							
		161	157	164	146	138	143

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	HRVATSKA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	1 125	1 068	1 004	973	925	863
Total imports	4 302	4 470	4 306	3 962	4 512	3 711
Total exports	-	-	-	-	-	-
Stock changes	138	1	41	92	11	83
Refinery intake	5 399	5 361	5 177	4 861	5 323	4 538
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	232	80	80	-	88	20
Near and Middle East	1 415	481	484	-	-	-
Africa	232	80	80	-	88	20
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	232	80	80	-	88	20
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	1 578	2 940	3 435	3 799	4 110	3 453
Saudi Arabia	-	-	-	-	-	-
Syria	1 415	481	484	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	HRVATSKA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	5 358	5 320	5 141	4 823	5 312	4 503
<i>among which:</i>						
Motor spirit	1 261	1 226	1 168	1 083	1 202	1 001
Kerosene and jet fuel	76	92	100	69	97	97
Naphtha	165	212	177	128	188	129
Gas/diesel oil	1 873	1 741	1 603	1 565	1 676	1 397
Residual fuel oil	1 036	1 012	1 160	1 097	1 180	1 128
Total imports	773	1 041	1 213	1 476	1 415	1 840
Total exports	1 726	2 052	1 873	1 853	2 021	1 736
Bunkers	22	24	25	20	24	22
Stock changes	85	-113	-134	-13	-95	-270
Gross inland consumption	-890	-1 148	-819	-410	-725	-188
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	4	3	2	2	1	1
United Kingdom	-	-	-	14	-	21
Russia	1	2	1	1	1	1
Norway	77	-	-	-	-	-
OPEC	13	7	113	189	82	5
Imports by product						
<i>among which:</i>						
Motor spirit	89	137	257	307	255	288
Kerosene and jet fuel	3	1	4	29	4	21
Gas/diesel oil	234	471	543	686	721	1 064
Residual fuel oil	326	213	85	118	97	74
Exports by product						
<i>among which:</i>						
Motor spirit	631	609	706	680	717	584
Kerosene and jet fuel	13	10	3	3	-	1
Gas/diesel oil	454	495	349	394	514	534
Residual fuel oil	4	304	234	226	215	176
Consumption						
Inputs to electricity plants						
Inputs to heating plants	753	381	469	482	531	463
Non-energy use	42	46	46	39	33	26
Final energy consumption	327	372	327	321	349	355
	2 891	2 925	3 062	3 191	3 206	3 179
Industry	449	451	546	609	553	571
<i>among which by product:</i>						
Gas/diesel oil	145	137	163	166	177	222
Residual fuel oil	268	218	182	192	139	119

	HRVATSKA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	2	3	5	4	4	5
Non-ferrous metals	5	7	6	7	6	7
Chemical industry	81	105	58	104	54	51
Non-met. mineral prod.	151	139	233	253	234	223
Food, drink, tobacco	51	33	48	43	45	45
Pulp, paper and print	6	16	16	12	13	12
Engineering & metal	9	12	16	16	20	10
Other industries	107	111	139	154	161	180
Transport	1 696	1 749	1 828	1 943	2 080	2 043
<i>among which:</i>						
Motor spirit	740	707	695	696	709	679
Jet fuel	68	78	93	96	100	113
Diesel oil	868	947	1 018	1 114	1 220	1 180
Services & households etc.	746	725	688	639	573	565
<i>among which:</i>						
Gas oil	634	620	580	534	474	455
Residual fuel oil	36	25	27	20	16	13
Stocks at end of period						
Crude oil and feedstocks	362	361	320	228	456	373
Petroleum products	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	HRVATSKA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	83 205	83 528	86 769	103 113	109 900	102 080
Total imports	43 274	40 037	43 096	42 807	40 094	45 882
Total exports	12 996	13 209	16 971	34 033	28 565	26 027
Stock changes	-3 876	3 997	-2 318	-2 531	4 226	-2 064
Gross inland consumption	109 607	114 353	110 576	109 356	125 655	119 871
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	43 274	40 037	43 096	42 807	40 094	40 497
Consumption						
Inputs to electricity plants	26 760	30 290	22 807	24 910	36 906	29 082
Inputs to heat plants	2 645	2 443	2 709	2 360	2 519	2 824
Consumption of energy branch	6 254	5 943	7 217	6 528	8 163	7 944
Distribution losses	3 819	2 846	2 352	2 481	1 942	1 851
Non-energy use	17 552	18 419	18 168	17 590	19 296	18 917
Industry	22 827	24 495	24 559	24 418	25 779	26 333
<i>among which:</i>						
Iron&steel industry	669	543	578	840	684	916
Non-ferrous metals	49	68	38	11	65	45
Chemical industry	4 636	6 460	5 856	5 221	7 250	6 553
Non-met. mineral prod.	7 706	7 102	7 372	6 996	7 452	7 233
Food, drink, tobacco	5 024	5 939	6 118	6 456	5 597	7 420
Pulp, paper and print	2 109	1 851	1 965	2 234	2 105	1 893
Engineering & metal	726	962	984	1 068	1 303	983
Other industries	342	567	699	737	578	565
Transport	-	-	-	-	-	-
Services & households etc.	29 750	29 917	32 764	31 069	29 815	32 310
<i>among which:</i>						
Households	24 058	23 921	26 136	24 765	23 655	25 533
Services	4 936	5 259	5 746	5 586	5 480	5 999

6.1 Hard coal

	HRVATSKA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	1 035	1 218	958	1 083	1 102	1 267
Total exports	-	-	-	-	1	-
Stock changes	2	-111	99	-96	-20	-146
Gross inland consumption	1 037	1 107	1 057	987	1 081	1 121
Imports						
Imports by origin						
<i>among which:</i>						
Australia	68	-	-	-	-	-
Colombia	68	901	-	204	117	430
Russia	-	-	328	445	337	15
South Africa	210	-	339	75	68	72
USA	-	-	-	-	68	356
Consumption						
Inputs to electricity plants	904	852	888	836	896	925
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	126	254	169	151	185	196
<i>among which:</i>						
Iron&steel industry	-	-	1	-	2	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	2	-	-	4	-
Non-met. mineral prod.	126	252	168	148	179	196
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	3	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

6.2 Coal derivatives and peat

	HRVATSKA					
	2003	2004	2005	2006	2007	2008
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	591	473	556	597	462	228
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	17	20	23	21	28	25
<i>among which:</i>						
Iron & steel industry	3	-	4	7	5	2
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	86	72	71	71	54	59
<i>among which:</i>						
Industry	46	49	45	49	43	45
Services & households etc.	40	23	26	22	11	14
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-
Gasworks gas	500	411	490	513	400	222
Inputs to electricity plants	-	-	-	-	-	-
Inputs to heat plants	33	32	42	59	50	-
Consumption of energy branch	-	-	-	-	-	-
Consumption in industry	108	70	101	102	77	31

7. Renewable energy sources

		HRVATSKA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	800	977	901	929	740	864
Hydro (excl. pumping)		419	598	545	516	364	448
Wind		-	0	1	2	3	3
Solar		-	-	-	-	4	4
Geothermal		-	-	-	-	3	3
Biomass		381	379	355	412	366	405
	<i>among which:</i>						
Wood, wood-waste		381	379	353	410	361	396
Municipal solid waste		-	-	-	-	-	-
Biogas		-	-	3	1	2	5
Gross inland consumption		800	977	901	884	697	786
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		-	1	3	2	2	6
	<i>among which:</i>						
Wood, wood-waste		-	1	1	1	1	1
Municipal waste		-	-	-	-	-	-
Biogas		-	-	3	1	2	5
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	381	378	352	364	327	328
	<i>by sector:</i>						
Industry		60	64	53	63	62	55
Services & households etc.		321	314	299	301	263	272
Transport		-	-	-	-	3	2
	<i>by source:</i>						
Biomass		381	378	352	364	320	321
	<i>among which:</i>						
Wood, wood-waste		381	378	352	364	317	319
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		-	-	-	-	3	3
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		2	1	1	1	1	1
Hydro with installed capacity > 1 & <10 MW		72	107	107	99	82	94
Hydro with installed capacity > 10 MW		4 802	6 850	6 225	5 900	4 153	5 121
Wood, Wood-waste		-	4	3	5	3	2
Municipal waste		-	-	-	-	-	-
Biogas		-	-	11	6	5	19

		HRVATSKA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		1	1	1	1	1	1
Hydro with installed capacity > 1 & <10 MW		33	31	32	32	32	32
Hydro with installed capacity > 10 MW		1 749	1 758	1 771	1 771	1 749	1 749
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>	-	-	-	-	4	4
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	-	-	11	78

1. Energy economy

Key figures and energy indicators

		TÜRKY					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	23 873	24 212	23 626	26 540	27 279	29 051
Net energy imports		56 776	58 705	62 143	69 293	76 101	72 872
Net oil imports		28 572	29 510	28 390	30 677	31 828	29 791
Net gas imports		17 283	18 123	22 134	25 179	29 767	30 253
Gross inland energy consumption		79 402	81 999	85 355	94 664	101 510	100 318
Final energy consumption		58 652	60 404	63 243	69 049	73 023	71 857
Industry		22 515	22 743	22 494	24 725	25 047	19 668
Transport		12 636	12 860	13 398	14 883	16 947	16 254
Services and households etc.		23 502	24 802	27 351	29 441	31 029	35 936
Gross electricity generation	GWh	140 581	150 698	161 956	176 300	191 558	198 418
Final electricity consumption		110 364	119 483	128 518	141 255	152 639	159 267
Socio-economic statistics							
Population	1000 per.	69 770	70 692	71 610	72 520	69 689	70 586
Total imports (current prices)	Mio EUR	64 502	82 376	98 094	115 617	129 716	142 118
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	1 138	1 160	1 192	1 305	1 457	1 421
Final energy consumption / capita		841	854	883	952	1 048	1 018
Household consumption / capita		244	247	270	277	297	320
Final electricity consumption / capita	kWh/cap.	1 582	1 690	1 795	1 948	2 190	2 256
Energy dependency							
Net energy imports / Gross consumption	in %	71.0	70.4	71.9	72.5	74.4	72.2
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	73.9	73.7	74.1	72.9	71.9	71.6
Efficiency of thermal power stations		46.2	45.8	48.2	47.7	46.8	46.3

2. Energy balance

Principal aggregates by product

in 1 000 toe	TÜRKY					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	23 873	24 212	23 626	26 540	27 279	29 051
among which:						
Hard coal	1 289	1 367	1 565	1 542	1 425	1 469
Lignite and peat	9 721	9 232	8 919	11 543	13 369	15 206
Crude oil	2 365	2 264	2 273	2 169	2 146	2 179
Natural Gas	461	566	738	745	735	838
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	3 038	3 963	3 402	3 804	3 083	2 861
Biomass	5 783	5 550	5 332	5 162	5 023	4 855
Imports						
Total	61 142	63 668	67 711	76 043	82 429	79 854
among which:						
Hard coal	10 516	10 858	11 430	13 254	14 330	12 709
Crude oil and feedstocks	24 241	24 057	23 545	24 164	23 580	21 913
Petroleum products	8 647	10 317	10 258	13 071	14 342	14 406
Natural Gas	17 283	18 123	22 134	25 179	29 793	30 612
Electricity	100	40	55	49	74	68
Exports						
Total	4 366	4 963	5 567	6 750	6 328	6 982
among which:						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	4 316	4 865	5 413	6 557	6 094	6 527
Natural gas	-	-	-	-	26	359
Electricity	51	98	155	192	208	96
Gross inland consumption						
Total	79 402	81 999	85 355	94 664	101 510	100 318
among which:						
Solid fuels	21 514	22 205	22 310	26 594	29 387	29 533
Crude oil and petrol. prod.	30 072	30 361	30 197	31 672	32 195	31 240
Natural gas	17 721	18 709	22 792	25 973	30 424	30 192
Nuclear Energy	-	-	-	-	-	-
Renewables	10 036	10 783	10 131	10 540	9 604	9 360
Transformation input						
Total	51 161	51 195	53 796	56 978	60 939	62 236
among which:						
Crude oil and feedstocks	26 879	26 435	26 059	26 644	26 012	24 830
Natural gas	9 960	10 137	12 621	13 293	15 811	16 457
Petroleum products	2 034	1 754	1 207	1 045	1 415	1 712
Hard coal	4 778	5 587	5 764	6 430	6 373	7 142
Lignite and peat	6 192	5 963	6 769	8 132	9 788	10 578
Renewables	112	99	89	96	158	176
Transformation output						
Total	39 397	39 104	40 722	42 361	43 883	43 958
among which:						
Electricity	9 045	8 990	10 519	11 344	13 358	14 127
Heat	367	450	850	959	1 032	1 016

		TÜRKİYE					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		58 652	60 404	63 243	69 049	73 023	71 857
<i>among which:</i>	Solid fuels	11 116	11 499	11 283	13 296	14 648	13 704
	Petroleum products	22 847	22 861	23 242	23 032	23 480	23 646
	Natural Gas	7 220	7 922	9 460	12 311	13 697	12 817
	Renewables	6 881	6 717	6 635	6 629	6 331	6 251
	Electricity	9 490	10 274	11 051	12 146	13 125	13 694
Final energy consumption by sector							
Industry							
Total		22 515	22 743	22 494	24 725	25 047	19 668
<i>among which:</i>	Solid fuels	9 532	9 723	8 812	10 809	11 899	7 053
	Petroleum Products	4 894	4 329	4 063	3 115	1 419	1 334
	Natural Gas	2 253	2 448	2 708	3 339	3 718	3 195
	Renewables	119	121	121	121	126	126
	Electricity	4 617	4 991	5 217	5 706	6 144	6 218
Transport							
Total		12 636	12 860	13 398	14 883	16 947	16 254
<i>among which:</i>	Motor spirit	2 811	2 494	2 779	2 840	2 559	2 447
	Diesel oil	6 692	6 962	6 952	8 364	9 812	9 154
	Jet fuel	1 740	1 861	2 010	1 770	2 176	2 088
	Electricity	61	51	54	55	67	70
Services & households etc.							
Total		23 502	24 802	27 351	29 441	31 029	35 936
<i>among which:</i>	Solid fuels	1 584	1 776	2 471	2 488	2 750	6 650
	Gas oil	2 603	2 928	2 954	3 157	3 457	4 532
	Natural Gas	4 963	5 471	6 749	8 968	9 970	9 596
	Renewables	6 762	6 596	6 514	6 488	6 193	6 061
	Electricity	4 811	5 232	5 780	6 385	6 914	7 407
	Heat	-	-	-	-	-	-

3.1 Electricity balance

	TÜRKİYE					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	140 581	150 698	161 956	176 300	191 558	198 418
<i>among which:</i>						
Hydro	35 330	46 084	39 561	44 244	35 851	33 270
Wind	61	58	59	127	355	847
Geothermal	89	93	94	94	156	162
Nuclear	-	-	-	-	-	-
Conventional thermal	105 101	104 463	122 242	131 835	155 196	164 139
<i>of which:</i>						
Hard coal	7 830	11 116	12 253	13 175	14 039	14 517
Lignite and peat	23 590	22 449	29 946	32 433	38 294	41 858
Petroleum products	9 197	7 670	5 483	4 340	6 526	7 519
Natural gas	63 536	62 241	73 445	80 691	95 025	98 685
Derived gases	832	883	993	1 042	1 098	1 341
Biomass	80	76	34	58	95	142
Industrial wastes	36	28	88	96	119	77
Total net generation	135 248	145 066	155 469	169 543	183 340	189 763
Imports and exports						
Total imports	1 158	463	636	573	864	789
Total exports	588	1 144	1 798	2 236	2 422	1 122
Consumption and losses						
Consumption of the energy branch	6 735	7 291	8 232	8 572	10 714	11 336
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	24 052	23 243	24 044	24 810	26 647	27 481
Final energy consumption	110 364	119 483	128 518	141 255	152 639	159 267
<i>of which:</i>						
Industry	53 697	58 042	60 671	66 357	71 450	72 320
<i>among which:</i>						
Iron&steel industry	9 582	10 940	11 661	13 399	15 477	16 015
Non-ferrous metals	3 081	2 697	2 485	2 785	3 036	2 472
Chemical industry	3 396	4 390	3 965	3 883	4 112	3 689
Non-met. mineral prod.	5 602	6 080	6 024	6 437	7 741	9 009
Food, drink, tobacco	4 142	3 485	3 754	4 072	4 932	4 829
Pulp, paper and print	1 592	1 238	1 383	1 750	2 129	1 956
Engineering & metal	2 737	2 418	2 489	2 518	2 733	3 647
Other industries	11 051	14 905	15 906	17 862	16 527	17 746
Transport	713	596	627	645	783	809
Services & households etc.	55 954	60 845	67 220	74 253	80 406	86 138
<i>among which:</i>						
Households	25 195	27 619	30 935	34 466	36 477	39 584

3.2 Electrical capacity, fuel inputs and heat

		TÜRKİYE					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	35 587	36 824	38 842	40 565	40 835	41 817
<i>by source:</i>							
Conventional thermal		22 974	24 145	25 901	27 420	27 271	27 595
<i>of which:</i>							
Steam		8 565	8 580	9 429	10 519	10 545	10 545
Gas turbine		655	675	851	1 080	1 075	1 253
Combined cycle		12 454	13 512	14 079	14 251	14 424	14 434
Internal combustion		1 293	1 353	1 503	1 467	1 174	1 301
Nuclear		-	-	-	-	-	-
Hydro		12 579	12 645	12 905	13 063	13 395	13 828
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		19	19	21	59	146	364
Geothermal		15	15	15	23	23	30
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		31 045	32 444	34 780	36 787	37 101	38 284
Autoproducers		4 542	4 380	4 062	3 778	3 734	3 533
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	20 375	20 622	23 576	25 777	30 717	32 705
<i>among which:</i>							
Hard coal		1 795	2 385	2 594	2 862	3 136	3 289
Lignite and peat		6 178	5 921	6 721	8 075	9 770	10 562
Petroleum products		2 034	1 754	1 207	1 045	1 415	1 712
Natural gas		9 960	10 137	12 621	13 293	15 811	16 457
Renewables		112	99	89	96	158	176
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heat production and consumption							
Total heat production	1 000 toe	367	450	850	959	1 032	1 016
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		367	450	850	959	1 032	1 016
<i>of which: in industry</i>							
		367	450	850	959	1 032	1 016
<i>in households and services</i>							
		-	-	-	-	-	-
<i>among which: in households</i>							
		-	-	-	-	-	-

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	TÜRKİY					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	2 351	2 251	2 258	2 160	2 134	2 160
Total imports	24 095	23 918	23 389	24 063	23 446	21 725
Total exports	-	-	-	-	-	-
Stock changes	49	-185	154	304	90	-142
Refinery intake	26 717	26 281	25 886	26 532	25 864	24 617
Imports of Crude Oil by origin						
<i>by region of origin:</i>						
OPEC	17 534	16 110	15 897	17 191	13 870	12 932
Near and Middle East	14 144	11 767	11 681	13 025	13 501	13 448
Africa	4 694	5 053	4 540	4 166	612	-
<i>by country of origin:</i>						
Algeria	240	397	-	-	-	-
Irak	1 817	1 389	976	551	923	1 861
Iran	7 029	5 821	6 887	8 971	8 776	7 698
Kazakhstan	22	150	-	-	83	811
Kuwait	-	-	-	-	-	-
Libya	4 580	5 053	4 540	4 166	612	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	4 565	6 344	6 997	6 787	8 890	6 860
Saudi Arabia	3 868	3 450	3 494	3 503	3 559	3 373
Syria	1 430	1 107	324	-	243	516
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	TÜRKİYE					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	26 461	26 002	25 638	26 235	25 554	24 375
<i>among which:</i>						
Motor spirit	3 837	3 479	3 609	3 659	4 098	4 562
Kerosene and jet fuel	1 762	1 831	2 021	1 676	2 407	2 569
Naphtha	1 354	1 573	1 488	1 488	974	577
Gas/diesel oil	8 087	7 665	7 601	7 549	7 016	7 063
Residual fuel oil	8 038	7 845	7 208	7 271	6 369	5 363
Total imports	8 256	9 876	9 813	12 604	13 848	13 951
Total exports	4 193	4 777	5 313	6 520	6 079	6 482
Bunkers	622	1 342	1 069	990	855	669
Stock changes	-299	101	435	-489	-1 005	65
Gross inland consumption	3 142	3 858	3 866	4 605	5 909	6 865
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	85	-	-	-	133	158
United Kingdom	139	66	106	99	121	16
Russia	2 101	3 231	3 147	4 898	5 743	4 073
Norway	785	666	468	433	296	330
OPEC	1 327	1 530	1 729	1 737	1 908	2 083
Imports by product						
<i>among which:</i>						
Motor spirit	447	759	619	850	578	302
Kerosene and jet fuel	152	184	18	274	137	5
Gas/diesel oil	2 715	3 818	4 146	6 436	7 942	8 333
Residual fuel oil	736	785	748	468	493	796
Exports by product						
<i>among which:</i>						
Motor spirit	1 654	1 865	1 671	1 673	2 027	2 572
Kerosene and jet fuel	146	200	33	88	355	538
Gas/diesel oil	931	564	1 278	1 773	579	524
Residual fuel oil	525	1 102	1 427	2 105	2 555	2 531
Consumption						
Inputs to electricity plants						
Inputs to heating plants	2 105	1 819	1 256	1 091	1 480	1 788
Non-energy use	-	-	-	-	-	-
Final energy consumption	3 358	3 976	4 020	5 731	5 708	5 181
	22 370	22 323	22 653	22 444	22 789	22 921
Industry	5 045	4 461	4 184	3 198	1 447	1 324
<i>among which by product:</i>						
Gas/diesel oil	301	179	75	52	328	903
Residual fuel oil	4 355	3 894	3 684	2 754	1 008	329

	TÜRKY					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	374	252	256	49	17	84
Non-ferrous metals	276	277	280	280	151	48
Chemical industry	884	1 421	1 418	1 125	453	139
Non-met. mineral prod.	55	51	54	54	27	494
Food, drink, tobacco	264	238	188	96	41	20
Pulp, paper and print	274	210	183	170	124	57
Engineering & metal	-	-	-	-	-	-
Other industries	2 545	1 717	1 604	1 244	613	154
Transport	12 168	12 396	12 905	14 327	16 316	15 559
<i>among which:</i>						
Motor spirit	2 675	2 373	2 644	2 702	2 435	2 328
Jet fuel	1 694	1 812	1 957	1 723	2 119	2 033
Diesel oil	6 577	6 842	6 833	8 220	9 643	8 997
Services & households etc.	5 157	5 466	5 564	4 919	5 026	6 038
<i>among which:</i>						
Gas oil	2 558	2 878	2 903	3 103	3 398	4 454
Residual fuel oil	500	295	265	264	283	355
Stocks at end of period						
Crude oil and feedstocks	5 101	5 286	5 132	4 828	4 738	4 880
Petroleum products	2 391	2 290	1 855	2 344	3 349	3 279

5. Natural gas

<i>in TJ (GCV)</i>	TÜRKİYE					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	21 448	26 350	34 355	34 662	34 202	38 965
Total imports	803 993	843 063	1 029 654	1 171 307	1 385 956	1 424 072
Total exports	-	-	-	-	1 188	16 706
Stock changes	-1 073	949	-3 735	2 283	-3 658	-41 779
Gross inland consumption	824 368	870 362	1 060 274	1 208 252	1 415 312	1 404 552
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	148 386	138 956	158 992	173 481	176 610	158 994
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	43 330	42 855	42 832	46 531	58 857	38 993
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	475 732	531 645	660 621	728 211	857 649	880 128
Consumption						
Inputs to electricity plants	463 324	471 567	587 146	618 392	735 515	765 584
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	6 544	9 388	9 531	10 092	32 239	27 905
Distribution losses	821	865	885	955	965	2 612
Non-energy use	17 791	19 994	22 615	6 121	9 430	12 204
Industry	104 831	113 872	125 998	155 326	172 942	148 646
<i>among which:</i>						
Iron&steel industry	14 793	19 906	21 788	27 527	31 787	30 204
Non-ferrous metals	13 905	15 104	17 826	21 424	22 720	4 543
Chemical industry	21 178	23 341	31 009	38 834	42 116	28 424
Non-met. mineral prod.	17 348	22 062	24 540	24 134	26 135	38 161
Food, drink, tobacco	3 516	5 027	5 003	6 979	9 925	7 095
Pulp, paper and print	2 152	2 575	2 169	2 417	2 506	5 272
Engineering & metal	2 070	3 386	3 499	2 702	2 458	7 771
Other industries	16 229	10 128	12 500	22 770	24 929	22 974
Transport	165	155	145	165	421	1 200
Services & households etc.	230 892	254 521	313 954	417 201	463 800	446 401
<i>among which:</i>						
Households	173 399	181 299	222 586	287 633	321 124	303 584
Services	57 493	73 222	91 368	129 568	142 676	142 817

6.1 Hard coal

	TÜRKİYE					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	2 395	2 668	3 058	2 771	3 243	3 231
Total imports	16 166	16 427	17 360	20 286	22 945	19 489
Total exports	-	-	-	-	-	-
Stock changes	-690	531	-259	343	-207	630
Gross inland consumption	17 871	19 626	20 159	23 400	25 981	23 350
Imports						
Imports by origin						
<i>among which:</i>						
Australia	1 709	776	906	1 569	1 756	2 324
Colombia	1 825	1 567	2 456	-	2 754	2 882
Russia	6 717	6 769	6 772	8 476	9 875	8 279
South Africa	2 299	1 940	1 448	2 215	2 499	1 548
USA	1 278	1 571	1 810	1 045	1 312	1 328
Consumption						
Inputs to electricity plants	3 614	4 471	5 171	5 476	5 912	6 197
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	33
Industry	9 191	10 251	9 197	11 792	14 110	4 582
<i>among which:</i>						
Iron&steel industry	92	94	89	80	293	712
Non-ferrous metals	80	89	94	98	163	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	66	68	69	79	80	-
Food, drink, tobacco	113	122	136	152	74	75
Pulp, paper and print	17	18	20	25	27	43
Engineering & metal	-	-	-	-	-	-
Other industries	8 788	9 450	8 749	11 308	13 473	3 648
Services & households etc.	1 034	949	1 573	1 387	1 516	6 998

6.2 Coal derivatives and peat

	TÜRKİYE					
	2003	2004	2005	2006	2007	2008
Production						
Solid fuels	<i>in 1 000 t</i>					
Coke	2 878	2 990	2 992	3 213	3 335	3 976
Patent Fuel	-	-	-	-	-	-
Lignite and peat	46 168	43 709	55 282	61 484	72 121	76 171
Brown coal briquettes	47	159	120	155	62	47
Derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	20 921	21 807	21 829	22 165	23 184	31 101
Blast-furnace gas	36 622	36 411	38 447	37 970	38 881	34 756
Gasworks gas	-	-	-	-	-	-
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	2 121	2 055	2 079	2 316	2 452	2 877
<i>among which:</i>						
Iron & steel industry	1 736	1 837	1 812	1 847	2 036	2 475
Services & households etc.	159	75	69	36	26	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	11 223	11 689	9 004	10 285	11 608	9 443
<i>among which:</i>						
Industry	6 979	6 192	4 114	4 897	5 006	4 553
Services & households etc.	4 244	5 497	4 890	5 388	6 602	4 890
Brown coal briquettes	47	159	120	155	62	47
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	47	159	120	155	62	47
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	11 503	11 861	12 108	11 016	10 676	13 832
Blast-furnace gas	20 284	17 891	19 344	18 409	20 123	18 100
Gasworks gas	-	-	-	-	-	-
Inputs to electricity plants	12 277	13 928	13 562	16 322	17 009	21 239
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	10 558	13 354	13 069	13 030	13 395	23 960
Consumption in industry	31 787	29 752	31 452	29 425	30 799	31 692

7. Renewable energy sources

		TÜRKİYE					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	10 036	10 783	10 131	10 541	9 604	9 360
Hydro (excl. pumping)		3 038	3 963	3 402	3 804	3 083	2 861
Wind		5	5	5	11	31	73
Solar		350	375	385	402	420	420
Geothermal		860	891	1 007	1 162	1 048	1 151
Biomass		5 783	5 550	5 332	5 162	5 023	4 855
	<i>among which:</i>						
Wood, wood-waste		5 775	5 542	5 325	5 133	4 994	4 765
Municipal solid waste		-	-	-	-	-	-
Biogas		8	7	7	8	15	26
Gross inland consumption		10 036	10 783	10 131	10 540	9 604	9 360
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		76	80	81	81	134	140
Biomass		36	19	8	16	24	36
	<i>among which:</i>						
Wood, wood-waste		28	11	1	8	9	10
Municipal waste		-	-	-	-	-	-
Biogas		8	7	7	8	15	26
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	6 881	6 717	6 635	6 629	6 331	6 251
	<i>by sector:</i>						
Industry		119	121	121	121	126	126
Services & households etc.		6 762	6 596	6 514	6 488	6 193	6 061
Transport		-	-	-	20	12	64
	<i>by source:</i>						
Biomass		5 747	5 531	5 324	5 145	4 997	4 820
	<i>among which:</i>						
Wood, wood-waste		5 747	5 531	5 324	5 126	4 985	4 756
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		784	811	926	1 081	914	1 011
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		56	55	49	47	42	38
Hydro with installed capacity > 1 & <10 MW		413	490	453	455	426	472
Hydro with installed capacity > 10 MW		34 861	45 539	39 059	43 742	35 383	32 760
Wood, Wood-waste		48	46	5	23	26	24
Municipal waste		-	-	-	-	-	-
Biogas		32	30	29	35	69	118

	TÜRKY					
	2003	2004	2005	2006	2007	2008
Electrical capacities of RES						
	<i>in MW</i>					
Solar photovoltaics (peak)		-	-	-	-	-
Hydro with installed capacity < 1 MW		15	15	15	15	16
Hydro with installed capacity > 1 & <10 MW		142	160	160	170	231
Hydro with installed capacity > 10 MW		12 422	12 470	12 731	12 878	13 582
Wood, Wood-waste		72	72	72	40	69
Municipal waste		-	-	-	-	-
Biogas		9	9	9	14	33
Liquid biofuels						
Production	<i>1000 t</i>	-	-	-	21	14
Solar Panels						
Solar panel surface	<i>1000 m²</i>	9 500	10 000	11 000	11 500	12 000

1. Energy economy

Key figures and energy indicators

		ISLAND					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	2 457	2 519	2 636	3 259	:	:
Net energy imports		937	1 072	1 063	1 099p	:	:
Net oil imports		844	967	962	998	:	:
Net gas imports		-	-	-	-	-	-
Gross inland energy consumption		3 379	3 489	3 616	4 349p	:	:
Final energy consumption		2 218	2 230	2 204	2 382p	:	:
Industry		775	797	765	852p	:	:
Transport		319	345	360	479	:	:
Services and households etc.		1 123	1 087	1 078	1 050	:	:
Gross electricity generation	GWh	8 500	8 623	8 686	9 930	:	:
Final electricity consumption		7 541	7 760	7 799	8 998	:	:
Socio-economic statistics							
Population	1000 per.	289	291	294	300	308	316
Total imports (current prices)	Mio EUR	3 627	4 237	5 774	6 656	6 709	4 826
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	11 711	12 005	12 315	14 500	:	:
Final energy consumption / capita		7 687	7 672	7 506	7 941	:	:
Household consumption / capita		2 281	2 139	2 089	2 074	:	:
Final electricity consumption / capita	kWh/cap.	26 139	26 703	26 563	30 003	:	:
Energy dependency							
Net energy imports / Gross consumption	in %	27.2	30.1	28.9	25.1	:	:
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	65.6	63.9	61.0	54.8	:	:
Efficiency of thermal power stations		27.2	27.3	23.7	21.5	:	:

2. Energy balance

Principal aggregates by product

in 1 000 toe	ISLAND					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	2 457	2 519	2 636	3 259	:	:
among which:						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	609	613	604	627	:	:
Biomass	2	2	3	2	:	:
Imports						
Total	937	1 072	1 063	1 099p	:	:
among which:						
Hard coal	57	70	78	78p	:	:
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	844	967	962	998	:	:
Natural Gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
Exports						
Total	-	-	-	-	-	-
among which:						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
Gross inland consumption						
Total	3 379	3 489	3 616	4 349p	:	:
among which:						
Solid fuels	93	105	101	101p	:	:
Crude oil and petrol. prod.	828	864	878	989	:	:
Natural gas	-	-	-	-	-	-
Nuclear Energy	-	-	-	-	-	-
Renewables	2 457	2 519	2 636	3 259	:	:
Transformation input						
Total	1 222	1 262	1 448	2 062	:	:
among which:						
Crude oil and feedstocks	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Petroleum products	1	1	1	1	:	:
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	1 221	1 261	1 447	2 061	:	:
Transformation output						
Total	353	366	365	465	:	:
among which:						
Electricity	121	128	143	227	:	:
Heat	232	238	222	238	:	:

in 1 000 toe	ISLAND					
	2003	2004	2005	2006	2007	2008
Final energy consumption						
Total	2 218	2 230	2 204	2 382p	:	:
<i>among which:</i> Solid fuels	93	105	101	101p	:	:
Petroleum products	691	714	718	791	:	:
Natural Gas	-	-	-	-	-	-
Renewables	576	535	516	502	:	:
Electricity	648	667	671	774	:	:
Final energy consumption by sector						
Industry						
Total	775	797	765	852p	:	:
<i>among which:</i> Solid fuels	93	105	101	101p	:	:
Petroleum Products	123	129	122	115	:	:
Natural Gas	-	-	-	-	-	-
Renewables	55	55	36	36	:	:
Electricity	504	509	506	601	:	:
Transport						
Total	319	345	360	479	:	:
<i>among which:</i> Motor spirit	153	158	158	170	:	:
Diesel oil	55	63	63	117	:	:
Jet fuel	109	124	140	186	:	:
Electricity	-	-	-	-	-	-
Services & households etc.						
Total	1 123	1 087	1 078	1 050	:	:
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Gas oil	236	237	222	159	:	:
Natural Gas	-	-	-	-	-	-
Renewables	521	480	480	466	:	:
Electricity	144	158	164	173	:	:
Heat	209	209	199	214	:	:

3.1 Electricity balance

	ISLAND					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	8 500	8 623	8 686	9 930	:	:
<i>among which:</i>						
Hydro	7 088	7 134	7 019	7 293	:	:
Wind	-	-	-	-	-	-
Geothermal	1 406	1 483	1 658	2 631	:	:
Nuclear	-	-	-	-	-	-
Conventional thermal	6	6	9	6	:	:
<i>of which:</i>						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Petroleum products	-	4	5	4	:	:
Natural gas	-	-	-	-	-	-
Derived gases	-	-	-	-	-	-
Biomass	-	2	4	2	:	:
Industrial wastes	6	-	-	-	:	:
Total net generation	8 356	8 475	8 513	9 796	:	:
Imports and exports						
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Consumption and losses						
Consumption of the energy branch	469	481	506	518	:	:
<i>of which:</i>						
Consumption for pumped-storage	-	-	-	-	-	-
Network losses	490	382	381	413	:	:
Final energy consumption	7 541	7 760	7 799	8 998	:	:
<i>of which:</i>						
Industry	5 867	5 917	5 889	6 991	:	:
<i>among which:</i>						
Iron&steel industry	1 050	1 031	981	983	:	:
Non-ferrous metals	4 180	4 202	4 211	5 287	:	:
Chemical industry	20	20	19	20	:	:
Non-met. mineral prod.	31	41	45	42	:	:
Food, drink, tobacco	478	466	442	433	:	:
Pulp, paper and print	15	17	16	19	:	:
Engineering & metal	14	15	16	15	:	:
Other industries	48	98	145	187	:	:
Transport	-	-	-	-	-	-
Services & households etc.	1 674	1 843	1 910	2 007	:	:
<i>among which:</i>						
Households	612	672	690	797	:	:

3.2 Electrical capacity, fuel inputs and heat

		ISLAND					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	1 507	1 508	1 538	1 725	:	:
<i>by source:</i>							
Conventional thermal		150	143	143	140	:	:
<i>of which:</i>							
Steam		-	-	-	-	:	:
Gas turbine		35	35	35	35	:	:
Combined cycle		-	-	-	-	-	-
Internal combustion		115	108	108	140	:	:
Nuclear		-	-	-	-	-	-
Hydro		1 155	1 163	1 163	1 163	:	:
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Geothermal		202	202	232	422	:	:
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		1 476	1 477	1 507	1 697	:	:
Autoproducers		31	31	31	28	:	:
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	1 198	1 238	1 418	2 018	:	:
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		1	1	1	1	:	:
Natural gas		-	-	-	-	-	-
Renewables		1 197	1 237	1 417	2 017	:	:
Heating plants		24	24	30	44	:	:
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	:	:
Natural gas		-	-	-	-	-	-
Renewables		24	24	30	44	:	:
Heat production and consumption							
Total heat production	1 000 toe	232	238	222	238	:	:
among which: in heating plants		28	27	29	30	:	:
Heat consumption		209	209	199	214	:	:
<i>of which: in industry</i>		-	-	-	-	-	-
in households and services		209	209	199	214	:	:
among which: in households		180	180	170	184	:	:

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	ISLAND					
	2003	2004	2005	2006	2007	2008
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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	ISLAND					
	2003	2004	2005	2006	2007	2008
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	864	986	983	1 028	:	:
Total exports	-	-	-	-	-	-
Bunkers	67	70	64	35	:	:
Stock changes	52	-31	-19	26	:	:
Gross inland consumption	849	885	900	1 019	:	:
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	90	141	112	129	:	:
United Kingdom	26	31	33	36	:	:
Russia	201	64	26	19	:	:
Norway	124	461	261	343	:	:
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	140	153	164	166	:	:
Kerosene and jet fuel	110	124	139	167	:	:
Gas/diesel oil	384	466	418	386	:	:
Residual fuel oil	58	55	63	71	:	:
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heating plants	1	1	1	1	:	:
Non-energy use	-	-	-	-	:	:
Final energy consumption	170	186	197	237	:	:
	678	698	702	774	:	:
Industry	124	129	122	114	:	:
<i>among which by product:</i>						
Gas/diesel oil	65	85	86	89	:	:
Residual fuel oil	58	43	35	24	:	:

	ISLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	7	7	7	9	:	:
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-
Food, drink, tobacco	62	51	45	23	:	:
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	55	71	70	82	:	:
Transport	308	333	348	464	:	:
<i>among which:</i>						
Motor spirit	146	150	150	162	:	:
Jet fuel	106	121	136	181	:	:
Diesel oil	54	62	62	115	:	:
Services & households etc.	246	236	232	196	:	:
<i>among which:</i>						
Gas oil	232	233	218	156	:	:
Residual fuel oil	13	2	13	39	:	:
Stocks at end of period						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	ISLAND					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
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

	ISLAND					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	85	104	117	117p	:	:
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	85	104	117	117p	:	:
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	-	-	-	-	-	-
South Africa	-	-	-	-	-	-
USA	-	-	9	9p	:	:
Consumption						
Inputs to electricity plants						
Inputs to electricity plants	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry						
Industry	85	104	117	117p	:	:
<i>among which:</i>						
Iron&steel industry	74	86	103	103p	:	:
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	11	18	14	14p	:	:
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.						
Services & households etc.	-	-	-	-	-	-

6.2 Coal derivatives and peat

	ISLAND					
	2003	2004	2005	2006	2007	2008
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	53	52	33	33p	:	:
<i>among which:</i>						
Iron & steel industry	53	52	33	33p	:	:
Services & households etc.	-	-	-	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
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

		ISLAND					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	2 457	2 519	2 636	3 259	:	:
Hydro (excl. pumping)		609	613	604	627	:	:
Wind		-	-	-	-	:	:
Solar		-	-	-	-	-	-
Geothermal		1 846	1 904	2 030	2 630	:	:
Biomass		2	2	3	2	:	:
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal solid waste		2	2	2	2	:	:
Biogas		-	1	1	0	:	:
Gross inland consumption		2 457	2 519	2 636	3 259	:	:
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		1 219	1 259	1 444	2 059	:	:
Biomass		2	2	3	2	:	:
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		2	2	2	2	:	:
Biogas		-	1	1	0	:	:
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	576	535	516	502	:	:
	<i>by sector:</i>						
Industry		55	55	36	36	:	:
Services & households etc.		521	480	480	466	:	:
Transport		-	-	-	-	-	-
	<i>by source:</i>						
Biomass		-	-	-	-	-	-
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		576	535	516	502	:	:
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		35	32	40	48	:	:
Hydro with installed capacity > 1 & <10 MW		220	265	236	260	:	:
Hydro with installed capacity > 10 MW		6 833	6 838	6 744	6 985	:	:
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	1	:	:
Biogas		-	2	4	1	:	:

	ISLAND					
	2003	2004	2005	2006	2007	2008
Electrical capacities of RES						
	<i>in MW</i>					
Solar photovoltaics (peak)	-	-	-	-	-	-
Hydro with installed capacity < 1 MW	9	13	10	7	:	:
Hydro with installed capacity > 1 & <10 MW	39	43	46	49	:	:
Hydro with installed capacity > 10 MW	1 107	1 107	1 107	1 107	:	:
Wood, Wood-waste	-	-	-	-	-	-
Municipal waste	-	-	-	-	-	-
Biogas	-	1	1	1	:	:
Liquid biofuels						
Production	<i>1000 t</i>					
	-	-	-	-	-	-
Solar Panels						
Solar panel surface	<i>1000 m²</i>					
	-	-	-	-	-	-

1. Energy economy

Key figures and energy indicators

		NORGE					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	1000 toe	236 016	231 222	225 095	216 445	215 967	219 332
Net energy imports		-207 111	-202 897	-197 378	-188 231	-188 847	-188 612
Net oil imports		-145 795	-137 351	-124 959	-114 739	-112 839	-103 771
Net gas imports		-60 948	-65 548	-70 994	-72 701	-73 657	-82 266
Gross inland energy consumption		27 279	28 226	26 676	27 153	27 254	29 834
Final energy consumption		17 980	18 444	18 525	18 352	18 842	18 894
Industry		6 355	6 682	6 581	6 329	6 373	6 750
Transport		4 618	4 801	4 867	5 050	5 323	5 119
Services and households etc.		7 007	6 961	7 077	6 973	7 146	7 025
Gross electricity generation	GWh	107 405	110 699	138 005	121 580	137 192	142 669
Final electricity consumption		103 154	107 915	110 727	107 399	110 650	111 471
Socio-economic statistics							
Population	1000 per.	4 552	4 578	4 606	4 640	4 681	4 737
Total imports (current prices)	Mio EUR	54 428	59 355	68 429	76 147	84 704	89 101
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
Energy consumption per inhabitant							
Gross inland consumption / capita	kgoe/cap.	5 992	6 166	5 791	5 852	5 822	6 298
Final energy consumption / capita		3 950	4 029	4 022	3 955	4 025	3 989
Household consumption / capita		837	820	842	822	820	800
Final electricity consumption / capita	kWh/cap.	22 660	23 575	24 038	23 145	23 638	23 531
Energy dependency							
Net energy imports / Gross consumption	in %	-744.0	-706.0	-721.2	-680.7	-676.7	-622.3
Energy efficiency							
Final energy consumption/Gross inland consumption	in %	65.9	65.3	69.4	67.6	69.1	63.3
Efficiency of thermal power stations		93.3	98.3	102.2	100.2	94.8	85.5

2. Energy balance

Principal aggregates by product

<i>in 1 000 toe</i>	NORGE					
	2003	2004	2005	2006	2007	2008
Primary production						
Total	236 016	231 222	225 095	216 445	215 967	219 332
<i>among which:</i> Hard coal	1 976	1 949	987	1 607	2 681	2 203
Lignite and peat	-	-	-	-	-	-
Crude oil	157 403	147 381	136 287	126 719	122 368	116 621
Natural Gas	66 270	71 259	74 784	76 513	78 081	87 124
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	9 081	9 361	11 665	10 262	11 492	11 999
Biomass	1 268	1 251	1 328	1 288	1 268	1 305
Imports						
Total	6 310	6 539	5 968	6 015	6 363	6 259
<i>among which:</i> Hard coal	450	514	448	354	409	432
Crude oil and feedstocks	562	513	1 096	394	1 131	872
Petroleum products	3 828	3 852	3 829	4 120	4 003	4 240
Natural Gas	-	-	-	-	-	-
Electricity	1 154	1 316	314	843	454	293
Exports						
Total	213 421	209 436	203 346	194 246	195 209	194 871
<i>among which:</i> Crude oil and feedstocks	136 050	127 405	114 724	102 575	100 972	92 991
Petroleum products	14 135	14 310	15 161	16 678	16 999	15 893
Natural gas	60 948	65 548	70 994	72 701	73 657	82 266
Electricity	477	331	1 350	769	1 317	1 485
Gross inland consumption						
Total	27 279	28 226	26 676	27 153	27 254	29 834
<i>among which:</i> Solid fuels	789	927	777	713	753	771
Crude oil and petrol. prod.	10 055	9 924	10 075	10 899	10 024	11 885
Natural gas	5 321	5 710	3 790	3 812	4 423	4 859
Nuclear Energy	-	-	-	-	-	-
Renewables	10 425	10 665	13 058	11 641	12 901	13 495
Transformation input						
Total	15 693	15 062	16 506	17 566	17 429	15 818
<i>among which:</i> Crude oil and feedstocks	15 294	14 662	16 122	17 126	16 934	15 359
Natural gas	45	54	56	71	119	74
Petroleum products	60	22	16	24	25	21
Hard coal	14	18	17	17	18	15
Lignite and peat	-	-	-	-	-	-
Renewables	219	234	228	249	257	277
Transformation output						
Total	15 402	14 861	16 255	17 286	17 145	15 787
<i>among which:</i> Electricity	83	92	91	105	134	106
Heat	280	290	304	317	347	360

		NORGE					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		17 980	18 444	18 525	18 352	18 842	18 894
<i>among which:</i>	Solid fuels	740	838	714	610	683	702
	Petroleum products	6 892	6 851	6 727	6 948	7 034	6 897
	Natural Gas	182	213	220	238	270	297
	Renewables	1 092	1 036	1 112	1 065	1 065	1 123
	Electricity	8 870	9 279	9 521	9 235	9 514	9 585
Final energy consumption by sector							
Industry							
Total		6 355	6 682	6 581	6 329	6 373	6 750
<i>among which:</i>	Solid fuels	738	836	714	609	683	702
	Petroleum Products	900	813	751	777	738	1 009
	Natural Gas	170	190	183	197	198	211
	Renewables	401	384	413	400	429	431
	Electricity	4 107	4 406	4 473	4 290	4 270	4 342
Transport							
Total		4 618	4 801	4 867	5 050	5 323	5 119
<i>among which:</i>	Motor spirit	1 712	1 704	1 642	1 577	1 495	1 401
	Diesel oil	2 223	2 322	2 465	2 599	2 833	2 694
	Jet fuel	523	603	635	696	698	724
	Electricity	67	68	58	61	60	64
Services & households etc.							
Total		7 007	6 961	7 077	6 973	7 146	7 025
<i>among which:</i>	Solid fuels	2	2	1	1	-	-
	Gas oil	1 238	1 120	1 006	1 021	948	814
	Natural Gas	6	14	27	30	31	39
	Renewables	691	652	699	660	605	616
	Electricity	4 696	4 806	4 990	4 883	5 185	5 179
	Heat	165	174	183	199	221	235

3.1 Electricity balance

	NORGE					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	107 405	110 699	138 005	121 580	137 192	142 669
<i>among which:</i>						
Hydro	106 216	109 373	136 441	119 726	134 736	140 522
Wind	218	252	506	637	892	917
Geothermal	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Conventional thermal	971	1 074	1 058	1 217	1 564	1 230
<i>of which:</i>						
Hard coal	42	43	42	43	43	65
Lignite and peat	-	-	-	-	-	-
Petroleum products	31	28	23	29	35	16
Natural gas	299	374	375	471	764	432
Derived gases	88	63	90	94	94	94
Biomass	398	421	376	444	429	443
Industrial wastes	113	145	152	136	199	180
Total net generation	106 916	109 930	137 370	120 993	136 636	141 523
Imports and exports						
Total imports	13 422	15 309	3 653	9 801	5 285	3 412
Total exports	5 548	3 854	15 695	8 947	15 320	17 275
Consumption and losses						
Consumption of the energy branch	2 153	2 764	4 464	4 548	5 316	6 132
<i>of which:</i>						
Consumption for pumped-storage	259	218	315	140	463	415
Network losses	9 368	10 965	9 996	10 112	10 111	10 235
Final energy consumption	103 154	107 915	110 727	107 399	110 650	111 471
<i>of which:</i>						
Industry	47 763	51 238	52 025	49 896	49 658	50 497
<i>among which:</i>						
Iron&steel industry	5 927	6 885	5 646	4 257	4 964	5 197
Non-ferrous metals	20 599	22 418	23 757	23 590	22 869	22 987
Chemical industry	6 834	7 093	7 617	7 476	7 226	8 057
Non-met. mineral prod.	834	853	886	928	936	1 007
Food, drink, tobacco	2 743	2 956	2 811	2 811	2 800	2 898
Pulp, paper and print	6 436	6 714	6 752	6 157	6 057	5 786
Engineering & metal	1 909	1 925	1 948	2 098	1 979	1 956
Other industries	1 830	1 748	1 981	1 961	2 203	1 997
Transport	776	788	673	708	696	742
Services & households etc.	54 615	55 889	58 029	56 795	60 296	60 232
<i>among which:</i>						
Households	32 023	32 405	34 006	33 646	34 948	34 512

3.2 Electrical capacity, fuel inputs and heat

		NORGE					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	28 421	27 924	28 393	29 479	30 272	30 745
<i>by source:</i>							
Conventional thermal		248	260	273	256	653	653
<i>of which:</i>							
Steam		190	199	210	193	193	193
Gas turbine		42	39	40	40	437	437
Combined cycle		-	-	-	-	-	-
Internal combustion		16	22	23	23	23	23
Nuclear		-	-	-	-	-	-
Hydro		28 076	27 512	27 850	28 941	29 297	29 732
<i>among which:</i>							
Pumped storage		1 318	1 424	1 440	1 396	1 465	1 486
Wind		97	152	270	282	322	360
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		27 504	27 005	27 456	28 507	29 289	29 749
Autoproducers		952	954	972	1 015	1 026	1 039
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	185	212	203	220	265	222
<i>among which:</i>							
Hard coal		14	18	17	17	18	15
Lignite and peat		-	-	-	-	-	-
Petroleum products		3	1	3	2	3	2
Natural gas		39	48	49	61	107	59
Renewables		112	130	122	128	124	132
Heating plants		176	138	137	166	180	193
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		57	21	13	22	22	19
Natural gas		7	5	7	10	12	15
Renewables		107	104	106	121	133	145
Heat production and consumption							
Total heat production	1 000 toe	280	290	304	317	347	360
among which: in heating plants		190	173	188	201	230	276
Heat consumption		190	199	209	225	248	263
<i>of which: in industry</i>		25	25	26	26	27	27
in households and services		165	174	183	199	221	235
among which: in households		32	36	37	43	49	62

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	NORGE					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	153 616	143 885	132 839	123 581	119 385	114 499
Total imports	548	501	1 068	384	1 103	856
Total exports	132 777	124 383	111 821	100 035	98 511	91 299
Stock changes	-886	289	-356	-510	925	-511
Refinery intake	14 936	14 324	15 728	16 716	16 534	15 083
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	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	69
Norway	-	-	-	-	-	-
Russia	120	222	347	179	52	32
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	NORGE					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	14 645	14 093	15 424	16 403	16 216	15 001
<i>among which:</i>						
Motor spirit	3 546	3 261	3 829	4 134	3 942	2 984
Kerosene and jet fuel	611	651	787	876	800	916
Naphtha	1 135	1 192	1 366	1 278	1 546	1 586
Gas/diesel oil	6 635	6 241	6 835	7 102	6 817	6 024
Residual fuel oil	1 702	1 845	1 610	1 957	2 066	2 359
Total imports	3 925	3 957	3 942	4 239	4 123	4 369
Total exports	13 509	13 620	14 409	15 888	16 195	15 204
Bunkers	565	518	698	504	663	481
Stock changes	-75	104	-196	-47	199	22
Gross inland consumption	-10 224	-10 077	-11 361	-12 200	-12 536	-11 294
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	179	85	89	93	117	50
United Kingdom	660	681	951	992	825	795
Russia	49	165	203	150	211	218
Norway	-	-	-	-	-	-
OPEC	-	21	-	-	37	5
Imports by product						
<i>among which:</i>						
Motor spirit	310	425	313	195	263	348
Kerosene and jet fuel	285	265	163	244	193	250
Gas/diesel oil	777	819	576	916	820	943
Residual fuel oil	1 437	1 419	1 705	1 770	1 668	1 495
Exports by product						
<i>among which:</i>						
Motor spirit	2 411	2 168	2 512	2 967	3 013	2 122
Kerosene and jet fuel	101	99	151	240	225	280
Gas/diesel oil	2 727	2 725	2 458	2 960	2 952	2 441
Residual fuel oil	1 809	1 739	1 727	2 177	2 037	2 723
Consumption						
Inputs to electricity plants						
Inputs to heating plants	3	1	3	2	3	2
Non-energy use	56	21	13	21	21	18
Final energy consumption	2 119	1 901	1 911	1 932	2 189	1 939
	6 711	6 670	6 550	6 771	6 853	6 690
Industry	880	795	735	760	719	950
<i>among which by product:</i>						
Gas/diesel oil	409	344	315	335	341	376
Residual fuel oil	233	224	219	218	168	142

	NORGE					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Industry						
<i>among which by sector:</i>						
Iron&steel industry	21	12	13	11	11	15
Non-ferrous metals	58	38	33	31	35	40
Chemical industry	150	133	117	115	102	344
Non-met. mineral prod.	91	127	125	125	125	118
Food, drink, tobacco	171	106	83	93	93	94
Pulp, paper and print	153	150	131	144	102	95
Engineering & metal	56	38	38	39	36	40
Other industries	136	139	146	152	160	144
Transport	4 413	4 589	4 661	4 836	5 053	4 803
<i>among which:</i>						
Motor spirit	1 629	1 621	1 562	1 501	1 423	1 333
Jet fuel	509	587	618	678	680	705
Diesel oil	2 185	2 282	2 423	2 554	2 784	2 648
Services & households etc.	1 418	1 286	1 154	1 175	1 081	937
<i>among which:</i>						
Gas oil	1 217	1 101	989	1 003	932	800
Residual fuel oil	5	6	6	13	9	13
Stocks at end of period						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-

5. Natural gas

<i>in TJ (GCV)</i>	NORGE					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	3 082 859	3 314 956	3 478 947	3 559 379	3 632 319	4 053 028
Total imports	-	-	-	-	-	-
Total exports	2 835 323	3 049 316	3 302 633	3 382 055	3 426 538	3 827 004
Stock changes	-	-	-	-	-	-
Gross inland consumption	247 536	265 640	176 314	177 324	205 781	226 024
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	1 801	2 256	2 269	2 842	4 960	2 728
Inputs to heat plants	313	234	339	477	572	719
Consumption of energy branch	149 119	174 785	171 128	176 161	178 276	186 197
Distribution losses	-	-	-	-	-	-
Non-energy use	24 173	27 551	24 191	24 767	20 277	25 829
Industry	7 901	8 816	8 532	9 162	9 203	9 797
<i>among which:</i>						
Iron&steel industry	-	41	74	110	74	83
Non-ferrous metals	1 199	1 262	1 835	2 122	2 354	2 238
Chemical industry	6 131	6 018	4 668	4 663	4 158	3 891
Non-met. mineral prod.	-	39	79	158	305	1 299
Food, drink, tobacco	145	763	943	1 137	1 387	1 622
Pulp, paper and print	261	418	330	394	218	194
Engineering & metal	25	52	272	248	313	122
Other industries	127	111	125	115	186	131
Transport	285	423	472	511	1 895	2 229
Services & households etc.	289	674	1 251	1 379	1 445	1 804
<i>among which:</i>						
Households	95	133	241	155	166	143
Services	194	272	276	496	597	912

6.1 Hard coal

	NORGE					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	2 944	2 904	1 471	2 395	3 995	3 282
Total imports	671	766	667	528	610	643
Total exports	2 697	2 741	1 666	2 266	3 371	3 331
Stock changes	-106	-15	323	-20	-556	101
Gross inland consumption	812	914	795	637	678	695
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	3	-
Colombia	101	105	97	72	98	68
Russia	113	70	39	76	33	50
South Africa	-	-	-	-	-	2
USA	8	33	17	-	5	89
Consumption						
Inputs to electricity plants	20	27	25	25	27	22
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	730	812	690	586	643	670
<i>among which:</i>						
Iron&steel industry	313	386	313	280	248	267
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	175	209	185	114	190	206
Non-met. mineral prod.	242	217	192	192	205	197
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	1	2	-	1	-	-

6.2 Coal derivatives and peat

	NORGE					
	2003	2004	2005	2006	2007	2008
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	1 530	2 068	1 846	2 210	2 070	1 914
Gasworks gas	-	-	-	-	-	-
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	366	429	369	318	370	371
<i>among which:</i>						
Iron & steel industry	314	378	315	270	261	263
Services & households etc.	2	1	1	1	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	-	-	-	-	-	-
Blast-furnace gas	591	1 158	915	1 300	1 158	1 167
Gasworks gas	-	-	-	-	-	-
Inputs to electricity plants	451	323	464	482	481	484
Inputs to heat plants	2	11	22	12	16	11
Consumption of energy branch	-	-	-	-	-	-
Consumption in industry	591	1 158	915	1 300	1 158	1 167

7. Renewable energy sources

		NORGE					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	10 368	10 633	13 037	11 605	12 837	13 384
Hydro (excl. pumping)		9 081	9 361	11 665	10 262	11 492	11 999
Wind		19	22	44	55	77	79
Solar		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Biomass		1 268	1 251	1 328	1 288	1 268	1 305
	<i>among which:</i>						
Wood, wood-waste		1 059	1 043	1 113	1 067	1 040	1 060
Municipal solid waste		184	183	191	195	203	218
Biogas		26	24	25	26	25	27
Gross inland consumption		10 425	10 665	13 058	11 641	12 901	13 495
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		219	234	228	249	257	277
	<i>among which:</i>						
Wood, wood-waste		56	67	70	86	83	93
Municipal waste		163	167	157	163	172	183
Biogas		0	0	0	0	2	1
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	1 092	1 036	1 112	1 065	1 065	1 123
	<i>by sector:</i>						
Industry		401	384	413	400	429	431
Services & households etc.		691	652	699	660	605	616
Transport		-	-	-	5	31	76
	<i>by source:</i>						
Biomass		1 092	1 036	1 112	1 065	1 065	1 123
	<i>among which:</i>						
Wood, wood-waste		1 059	1 008	1 063	1 012	991	998
Municipal waste		21	16	33	31	31	35
Biogas		12	12	15	16	13	13
Geothermal		-	-	-	-	-	-
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		139	230	286	392	226	235
Hydro with installed capacity > 1 & <10 MW		3 254	4 479	5 594	4 108	5 149	5 402
Hydro with installed capacity > 10 MW		102 219	104 154	129 915	115 299	128 281	133 917
Wood, Wood-waste		263	297	290	333	314	325
Municipal waste		135	124	86	111	115	112
Biogas		-	-	-	-	13	6

		NORGE					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		7	7	7	8	8	8
Hydro with installed capacity < 1 MW		45	49	49	50	47	48
Hydro with installed capacity > 1 & <10 MW		915	950	943	954	1 034	1 048
Hydro with installed capacity > 10 MW		25 798	25 089	25 418	26 541	26 751	27 150
Wood, Wood-waste		107	95	79	79	79	79
Municipal waste		26	26	26	26	25	25
Biogas		-	-	-	-	-	-
Liquid biofuels							
Production	<i>1000 t</i>	-	-	-	-	-	-
Solar Panels							
Solar panel surface	<i>1000 m²</i>	-	-	-	-	-	14

1. Energy economy

Key figures and energy indicators

		SCHWEIZ / SUISSE/ SVIZZERA					
		2003	2004	2005	2006	2007	2008
Energy statistics							
Primary energy production	<i>1000 toe</i>	11 409	11 438	10 532	11 751	12 244	12 335
Net energy imports		14 739	15 168	16 244	16 111	14 120	15 419
Net oil imports		12 304	12 386	12 817	13 010	11 444	12 540
Net gas imports		2 628	2 711	2 783	2 706	2 635	2 807
Gross inland energy consumption		26 571	26 858	26 905	28 083	26 907	27 972
Final energy consumption		20 812	21 137	21 620	21 522	21 037	21 816
Industry		3 917	4 097	4 102	4 161	4 098	4 124
Transport		6 985	6 828	7 009	7 107	7 286	7 518
Services and households etc.		9 910	10 211	10 509	10 254	9 654	10 175
Gross electricity generation	<i>GWh</i>	67 449	65 596	59 612	64 038	67 950	68 984
Final electricity consumption		55 122	56 171	57 330	57 782	57 433	58 728
Socio-economic statistics							
Population	<i>1000 per.</i>	7 314	7 364	7 415	7 459	7 509	7 594
Total imports (current prices)	<i>Mio EUR</i>	107 836	115 314	126 638	138 511	145 533	153 732
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
Energy consumption per inhabitant							
Gross inland consumption / capita	<i>kgoe/cap.</i>	3 633	3 647	3 628	3 765	3 583	3 684
Final energy consumption / capita		2 845	2 870	2 916	2 885	2 802	2 873
Household consumption / capita		816	819	840	817	748	793
Final electricity consumption / capita	<i>kWh/cap.</i>	7 537	7 628	7 732	7 747	7 649	7 734
Energy dependency							
Net energy imports / Gross consumption	<i>in %</i>	55.4	56.5	60.3	57.3	52.5	55.1
Energy efficiency							
Final energy consumption/Gross inland consumption	<i>in %</i>	78.3	78.7	80.4	76.6	78.2	78.0
Efficiency of thermal power stations		74.8	74.4	75.2	74.6	72.9	71.4

2. Energy balance

Principal aggregates by product

	SCHWEIZ / SUISSE/ SVIZZERA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>						
Primary production						
Total	11 409	11 438	10 532	11 751	12 244	12 335
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	7 090	6 954	6 021	7 176	7 203	7 145
Hydro-electricity	2 994	2 902	2 685	2 662	3 031	3 099
Biomass	1 181	1 432	1 662	1 733	1 815	1 863
Imports						
Total	18 245	18 161	19 484	19 335	17 834	18 868
<i>among which:</i> Hard coal	57	119	67	102	150	102
Crude oil and feedstocks	4 737	5 349	5 001	5 715	4 851	5 272
Petroleum products	8 209	7 632	8 294	7 835	7 128	7 893
Natural Gas	2 628	2 711	2 783	2 706	2 635	2 807
Electricity	2 587	2 326	3 297	2 907	2 994	2 717
Exports						
Total	3 506	2 992	3 240	3 224	3 714	3 449
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	643	595	479	540	535	625
Natural gas	-	-	-	-	-	-
Electricity	2 854	2 387	2 751	2 674	3 171	2 815
Gross inland consumption						
Total	26 571	26 858	26 905	28 083	26 907	27 972
<i>among which:</i> Solid fuels	140	134	152	153	178	161
Crude oil and petrol. prod.	12 377	12 353	12 605	12 948	11 740	12 466
Natural gas	2 628	2 711	2 783	2 706	2 635	2 807
Nuclear Energy	7 090	6 954	6 021	7 176	7 203	7 145
Renewables	4 318	4 481	4 510	4 575	5 052	5 200
Transformation input						
Total	12 629	13 158	11 890	13 747	12 982	13 331
<i>among which:</i> Crude oil and feedstocks	4 726	5 360	5 008	5 686	4 895	5 251
Natural gas	249	262	252	223	203	219
Petroleum products	46	39	46	49	41	28
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	487	509	526	575	608	654
Transformation output						
Total	7 732	8 337	7 676	8 749	7 962	8 332
<i>among which:</i> Electricity	2 629	2 590	2 280	2 678	2 682	2 668
Heat	383	400	413	418	408	429

		SCHWEIZ / SUISSE/ SVIZZERA					
		2003	2004	2005	2006	2007	2008
<i>in 1 000 toe</i>							
Final energy consumption							
Total		20 812	21 137	21 620	21 522	21 037	21 816
<i>among which:</i>	Solid fuels	140	134	152	149	178	161
	Petroleum products	12 126	12 055	12 096	11 966	11 484	11 946
	Natural Gas	2 360	2 429	2 510	2 463	2 412	2 569
	Renewables	835	1 069	1 297	1 335	1 410	1 443
	Electricity	4 740	4 830	4 929	4 968	4 938	5 050
Final energy consumption by sector							
Industry							
Total		3 917	4 097	4 102	4 161	4 098	4 124
<i>among which:</i>	Solid fuels	120	111	129	139	168	151
	Petroleum Products	875	976	852	846	762	759
	Natural Gas	784	810	832	867	888	920
	Renewables	166	207	262	268	256	217
	Electricity	1 573	1 603	1 625	1 633	1 633	1 658
Transport							
Total		6 985	6 828	7 009	7 107	7 286	7 518
<i>among which:</i>	Motor spirit	3 974	3 776	3 782	3 666	3 631	3 550
	Diesel oil	1 479	1 592	1 742	1 886	2 012	2 219
	Jet fuel	1 269	1 198	1 214	1 272	1 357	1 452
	Electricity	256	253	256	266	264	270
Services & households etc.							
Total		9 910	10 211	10 509	10 254	9 654	10 175
<i>among which:</i>	Solid fuels	20	23	23	9	9	9
	Gas oil	4 418	4 346	4 399	4 184	3 620	3 843
	Natural Gas	1 576	1 618	1 676	1 594	1 519	1 640
	Renewables	669	859	1 028	1 058	1 143	1 214
	Electricity	2 910	2 974	3 048	3 069	3 041	3 122
	Heat	209	227	231	231	223	229

3.1 Electricity balance

	SCHWEIZ / SUISSE/ SVIZZERA					
	2003	2004	2005	2006	2007	2008
<i>in GWh</i>						
Generation						
Total gross generation	67 449	65 596	59 612	64 038	67 950	68 984
<i>among which:</i>						
Hydro	36 865	35 468	33 086	32 883	36 737	37 935
Wind	5	6	8	15	16	19
Geothermal	-	-	-	-	-	-
Nuclear	27 487	26 958	23 341	27 819	27 925	27 700
Conventional thermal	3 075	3 147	3 158	3 298	3 245	3 296
<i>of which:</i>						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Petroleum products	249	210	191	182	186	144
Natural gas	926	945	869	786	750	754
Derived gases	-	-	-	-	-	-
Biomass	1 668	1 747	1 820	2 046	2 079	2 154
Industrial wastes	232	245	278	284	230	244
Total net generation	65 315	63 562	57 806	61 971	65 843	66 875
Imports and exports						
Total imports	30 084	27 056	38 346	33 803	34 818	31 601
Total exports	33 196	27 759	31 996	31 100	36 880	32 736
Consumption and losses						
Consumption of the energy branch	2 981	2 747	2 577	2 863	2 724	2 905
<i>of which:</i>						
Consumption for pumped-storage	847	713	771	796	617	786
Network losses	4 188	4 255	4 195	4 172	4 244	4 317
Final energy consumption	55 122	56 171	57 330	57 782	57 433	58 728
<i>of which:</i>						
Industry	18 292	18 642	18 897	18 997	18 994	19 281
<i>among which:</i>						
Iron&steel industry	1 360	1 380	1 385	1 633	1 652	1 567
Non-ferrous metals	1 145	1 283	1 111	376	338	345
Chemical industry	3 490	3 504	3 752	3 771	3 654	3 559
Non-met. mineral prod.	933	951	1 000	1 115	1 082	1 157
Food, drink, tobacco	1 732	1 816	1 777	1 908	1 903	2 013
Pulp, paper and print	2 749	2 783	2 562	2 516	2 556	2 542
Engineering & metal	3 126	3 100	3 199	3 487	3 410	4 330
Other industries	3 365	3 437	3 746	3 843	4 072	3 449
Transport	2 983	2 939	2 983	3 092	3 075	3 142
Services & households etc.	33 847	34 590	35 450	35 693	35 364	36 305
<i>among which:</i>						
Households	16 678	17 113	17 625	17 703	17 472	17 897

3.2 Electrical capacity, fuel inputs and heat

		SCHWEIZ / SUISSE/ SVIZZERA					
		2003	2004	2005	2006	2007	2008
Net electrical capacity							
Total installed capacity	MW	19 023	19 059	19 097	19 086	19 184	19 355
<i>by source:</i>							
Conventional thermal		833	860	855	844	851	870
<i>of which:</i>							
Steam		452	486	478	557	565	561
Gas turbine		49	49	49	46	46	45
Combined cycle		250	243	246	92	91	113
Internal combustion		-	-	-	146	146	147
Nuclear		3 220	3 220	3 220	3 220	3 220	3 220
Hydro		14 965	14 970	15 010	15 010	15 101	15 251
<i>among which:</i>							
Pumped storage		1 655	1 655	1 655	1 655	1 636	1 776
Wind		5	9	12	12	12	14
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		17 169	17 173	17 208	17 221	17 315	18 624
Autoproducers		1 875	1 909	1 915	1 894	1 903	776
Fuel consumption in electricity and heat production							
Conventional thermal power plants	1 000 toe	675	692	708	757	760	812
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		34	29	28	29	31	20
Natural gas		134	131	127	116	90	105
Renewables		477	499	516	574	607	653
Heating plants		136	150	150	125	121	122
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		10	8	14	16	7	7
Natural gas		115	132	126	108	113	114
Renewables		10	10	10	1	1	1
Heat production and consumption							
Total heat production	1 000 toe	383	400	413	418	408	429
<i>among which: in heating plants</i>							
		117	129	128	108	105	106
Heat consumption		353	366	382	383	369	390
<i>of which: in industry</i>							
		144	139	152	152	146	161
<i>in households and services</i>							
		209	227	231	231	223	229
<i>among which: in households</i>							
		125	132	140	140	135	140

4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	SCHWEIZ / SUISSE/ SVIZZERA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	4 633	5 219	4 876	5 563	4 722	5 133
Total exports	-	-	-	-	-	-
Stock changes	-23	11	5	-28	45	-21
Refinery intake	4 622	5 229	4 882	5 535	4 765	5 113
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	283	455	450	197	3	218
Irak	-	-	-	-	-	-
Iran	401	394	25	-	-	-
Kazakhstan	82	195	283	748	884	770
Kuwait	-	-	-	-	-	-
Libya	2 457	2 368	2 691	2 660	2 558	3 598
Mexico	-	-	-	-	-	-
Nigeria	1 144	1 323	1 065	1 550	549	201
Norway	-	138	84	56	55	-
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	156	89	-	-
Syria	-	-	10	-	-	-
United Arab Emirates	-	-	-	-	-	-

4.2 Petroleum products

<i>in 1 000 t</i>	SCHWEIZ / SUISSE/ SVIZZERA					
	2003	2004	2005	2006	2007	2008
Production and supply						
Total refinery output	4 614	5 214	4 855	5 500	4 740	5 095
<i>among which:</i>						
Motor spirit	1 072	1 362	1 268	1 465	1 280	1 370
Kerosene and jet fuel	344	350	212	228	183	190
Naphtha	15	-	-	1	7	22
Gas/diesel oil	1 893	2 148	2 170	2 573	2 172	2 326
Residual fuel oil	759	701	611	583	587	596
Total imports	7 996	7 444	8 102	7 662	6 964	7 719
Total exports	670	619	494	556	549	638
Bunkers	10	9	12	9	9	10
Stock changes	106	-33	-205	-20	254	-43
Gross inland consumption	7 422	6 783	7 391	7 077	6 660	7 028
Imports and exports						
Imports by origin						
<i>among which:</i>						
Netherlands	2 266	1 862	1 932	1 719	1 272	983
United Kingdom	-	-	1	1	2	2
Russia	2	-	-	-	-	-
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	2 694	2 393	2 330	2 011	2 139	1 951
Kerosene and jet fuel	911	811	971	1 016	1 147	1 259
Gas/diesel oil	4 028	3 831	4 347	4 160	3 156	3 975
Residual fuel oil	2	-	-	-	-	7
Exports by product						
<i>among which:</i>						
Motor spirit	-	1	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	9	4	2	3	17	7
Residual fuel oil	581	549	427	475	447	494
Consumption						
Inputs to electricity plants						
Inputs to heating plants	34	29	28	29	31	20
Non-energy use	10	8	14	16	7	7
Final energy consumption	546	564	577	626	603	575
	11 782	11 718	11 758	11 634	11 159	11 613
Industry						
	868	969	844	839	754	752
<i>among which by product:</i>						
Gas/diesel oil	736	719	728	697	659	655
Residual fuel oil	128	142	112	132	91	95

		SCHWEIZ / SUISSE/ SVIZZERA					
<i>in 1 000 t</i>		2003	2004	2005	2006	2007	2008
Industry							
<i>among which by sector:</i>							
	Iron&steel industry	12	12	13	10	10	10
	Non-ferrous metals	4	2	4	2	2	4
	Chemical industry	89	97	92	103	90	76
	Non-met. mineral prod.	97	124	98	88	73	77
	Food, drink, tobacco	138	129	120	111	105	102
	Pulp, paper and print	108	102	90	114	85	76
	Engineering & metal	174	183	169	158	150	192
	Other industries	217	291	234	226	215	197
Transport		6 476	6 330	6 498	6 587	6 758	6 978
<i>among which:</i>							
	Motor spirit	3 781	3 593	3 599	3 488	3 455	3 378
	Jet fuel	1 236	1 166	1 182	1 239	1 321	1 414
	Diesel oil	1 454	1 565	1 712	1 854	1 977	2 181
Services & households etc.		4 438	4 419	4 416	4 208	3 647	3 883
<i>among which:</i>							
	Gas oil	4 342	4 271	4 323	4 112	3 558	3 777
	Residual fuel oil	-	-	-	-	-	-
Stocks at end of period							
	Crude oil and feedstocks	97	86	81	109	64	85
	Petroleum products	4 540	4 573	4 778	4 798	4 544	4 587

5. Natural gas

<i>in TJ (GCV)</i>	SCHWEIZ / SUISSE/ SVIZZERA					
	2003	2004	2005	2006	2007	2008
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	122 238	126 105	129 460	125 878	122 562	130 599
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	122 238	126 105	129 460	125 878	122 562	130 599
Imports						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
Consumption						
Inputs to electricity plants	6 218	6 077	5 890	5 376	4 190	4 881
Inputs to heat plants	5 361	6 128	5 853	5 016	5 275	5 294
Consumption of energy branch	-	-	-	-	-	-
Distribution losses	855	883	943	919	911	911
Non-energy use	-	-	-	-	-	-
Industry	36 484	37 699	38 726	40 311	41 299	42 809
<i>among which:</i>						
Iron&steel industry	3 326	3 166	2 895	3 739	3 938	3 693
Non-ferrous metals	146	246	949	1 194	1 013	1 011
Chemical industry	11 990	12 386	13 598	13 035	13 648	13 421
Non-met. mineral prod.	1 456	1 890	1 779	2 525	2 547	2 874
Food, drink, tobacco	5 861	6 267	6 778	8 143	7 831	7 738
Pulp, paper and print	7 611	7 106	6 397	5 410	5 717	5 752
Engineering & metal	2 371	2 657	3 023	2 854	2 776	4 307
Other industries	3 170	3 322	2 767	2 712	3 035	3 120
Transport	10	30	90	120	240	430
Services & households etc.	73 310	75 288	77 958	74 136	70 647	76 274
<i>among which:</i>						
Households	44 533	46 016	47 278	45 607	43 686	47 261
Services	28 777	29 272	30 680	28 529	26 961	29 013

6.1 Hard coal

	SCHWEIZ / SUISSE/ SVIZZERA					
	2003	2004	2005	2006	2007	2008
<i>in 1 000 t</i>						
Primary production and supply						
Primary production	-	-	-	-	-	-
Total imports	85	177	100	152	224	152
Total exports	-	-	-	2	-	-
Stock changes	96	-	78	-9	-42	10
Gross inland consumption	181	177	178	141	182	162
Imports						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	3	3	3	4	5	5
South Africa	76	163	91	142	181	106
USA	-	-	-	-	-	-
Consumption						
Inputs to electricity plants						
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	16	16	16	13	16	16
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	145	138	140	112	149	131
Food, drink, tobacco	2	1	1	2	3	1
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	13	8	7	-	-	-
Services & households etc.	5	14	14	14	14	14

6.2 Coal derivatives and peat

	SCHWEIZ / SUISSE/ SVIZZERA					
	2003	2004	2005	2006	2007	2008
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	100	120	120	136	96	61
Consumption						
Solid fuels	<i>in 1 000 t</i>					
Coke	25	20	20	19	22	24
<i>among which:</i>						
Iron & steel industry	-	-	-	2	6	8
Services & households etc.	25	20	20	-	-	-
Patent Fuel	-	-	-	-	-	-
<i>among which:</i>						
Services & households etc.	-	-	-	-	-	-
Lignite and peat	4	4	39	86	85	75
<i>among which:</i>						
Industry	4	4	39	86	85	75
Services & households etc.	-	-	-	-	-	-
Brown coal briquettes	-	-	-	-	-	-
<i>among which:</i>						
Industry	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-
Total derived gases	<i>in TJ (GCV)</i>					
Coke-oven gas	-	-	-	-	-	-
Blast-furnace gas	-	-	-	-	-	-
Gasworks gas	99	119	119	135	95	60
Inputs to electricity plants	-	-	-	-	-	-
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Consumption in industry	9	11	11	12	8	5

7. Renewable energy sources

		SCHWEIZ / SUISSE/ SVIZZERA					
		2003	2004	2005	2006	2007	2008
Primary production							
Total primary production	<i>in 1000 toe</i>	4 318	4 484	4 511	4 575	5 040	5 190
Hydro (excl. pumping)		2 994	2 902	2 685	2 662	3 031	3 099
Wind		0	1	1	1	1	2
Solar		24	25	26	28	30	33
Geothermal		119	124	137	151	163	193
Biomass		1 181	1 432	1 662	1 733	1 815	1 863
	<i>among which:</i>						
Wood, wood-waste		540	589	758	768	740	844
Municipal solid waste		582	782	839	897	1 000	942
Biogas		59	58	58	60	63	66
Gross inland consumption		4 318	4 481	4 510	4 575	5 052	5 200
Inputs to electricity and heat production							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		487	509	526	575	608	654
	<i>among which:</i>						
Wood, wood-waste		20	23	22	27	52	86
Municipal waste		443	463	480	524	529	539
Biogas		24	23	23	24	27	28
Final consumption of RES (excl. electricity)							
Total	<i>in 1000 toe</i>	835	1 069	1 297	1 335	1 410	1 443
	<i>by sector:</i>						
Industry		166	207	262	268	256	217
Services & households etc.		669	859	1 028	1 058	1 143	1 214
Transport		-	3	7	8	12	12
	<i>by source:</i>						
Biomass		693	921	1 135	1 158	1 219	1 220
	<i>among which:</i>						
Wood, wood-waste		520	564	735	741	700	768
Municipal waste		139	319	359	373	471	403
Biogas		35	35	35	36	37	37
Geothermal		119	124	137	151	163	193
Electricity generation from RES							
	<i>in GWh</i>						
Solar photovoltaics		17	17	19	23	27	34
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		34 819	33 748	31 226	30 959	35 250	37 935
Wood, Wood-waste		72	74	77	72	128	150
Municipal waste		1 443	1 526	1 594	1 816	1 780	1 824
Biogas		153	147	149	158	171	180

		SCHWEIZ / SUISSE/ SVIZZERA					
		2003	2004	2005	2006	2007	2008
Electrical capacities of RES							
	<i>in MW</i>						
Solar photovoltaics (peak)		21	23	26	29	34	45
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		13 310	13 315	13 355	13 355	13 465	13 475
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		282	294	302	335	336	332
Biogas		33	32	34	32	32	32
Liquid biofuels							
Production	<i>1000 t</i>	-	3	8	9	14	14
Solar Panels							
Solar panel surface	<i>1000 m²</i>	1 356	1 383	1 417	1 456	1 509	1 595

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