

# Energy

Yearly statistics 2007

2009 edition



# Energy

Yearly statistics 2007

2009 edition

## How to obtain EU publications

### Publications for sale:

- via EU Bookshop (<http://bookshop.europa.eu>);
- from your bookseller by quoting the title, publisher and/or ISBN number;
- by contacting one of our sales agents directly. You can obtain their contact details on the Internet (<http://bookshop.europa.eu>) or by sending a fax to +352 2929-42758.

### Free publications:

- via EU Bookshop (<http://bookshop.europa.eu>);
- at the European Commission's representations or delegations. You can obtain their contact details on the Internet (<http://ec.europa.eu>) or by sending a fax to +352 2929-42758.

*Europe Direct is a service to help you find answers  
to your questions about the European Union*

Freephone number (\*):

**00 800 6 7 8 9 10 11**

(\* Certain mobile telephone operators do not allow access  
to 00 800 numbers or these calls may be billed.

More information on the European Union is available on the Internet (<http://europa.eu>).

Luxembourg: Office for Official Publications of the European Communities, 2009

ISBN 978-92-79-12787-8

ISSN 1830-7833

DOI 10.2785/29299

Cat. No. KS-PC-09-001-EN-C

**Theme: Environment and energy**

**Collection: Statistical books**

© European Communities, 2009

© Cover photo: European Commission

Eurostat is the Statistical Office of the European Communities. Its mission is to provide the European Union with high-quality statistical information. For that purpose, it gathers and analyses figures from the national statistical offices across Europe and provides comparable and harmonised data for the European Union to use in the definition, implementation and analysis of Community policies. Its statistical products and services are also of great value to Europe's business community, professional organisations, academics, librarians, NGOs, the media and citizens.

Eurostat's publications programme consists of several collections:

- **News releases** provide recent information on the Euro-Indicators and on social, economic, regional, agricultural or environmental topics.
- **Statistical books** are larger A4 publications with statistical data and analysis.
- **Pocketbooks** are free of charge publications aiming to give users a set of basic figures on a specific topic.
- **Statistics in focus** provides updated summaries of the main results of surveys, studies and statistical analysis.
- **Data in focus** present the most recent statistics with methodological notes.
- **Methodologies and working papers** are technical publications for statistical experts working in a particular field.

Eurostat publications can be ordered via the EU Bookshop at <http://bookshop.europa.eu>.

All publications are also downloadable free of charge in PDF format from the Eurostat website <http://ec.europa.eu/eurostat>. Furthermore, Eurostat's databases are freely available there, as are tables with the most frequently used and demanded short- and long-term indicators.

Eurostat has set up with the members of the 'European statistical system' (ESS) a network of user support centres which exist in nearly all Member States as well as in some EFTA countries. Their mission is to provide help and guidance to Internet users of European statistical data. Contact details for this support network can be found on Eurostat Internet site.



<b>TABLE OF CONTENTS</b>	<b>Page</b>
<b>Conversion coefficients</b>	<b>6</b>
<b>Breakdown of energy consumption by industry</b>	<b>7</b>
<b>Abbreviations and symbols</b>	<b>8</b>
<b>EU 27</b>	<b>9</b>
<b>Belgique/België</b>	<b>23</b>
<b>Bulgarija</b>	<b>37</b>
<b>Česká Republika</b>	<b>51</b>
<b>Danmark</b>	<b>65</b>
<b>Deutschland</b>	<b>79</b>
<b>Eesti</b>	<b>93</b>
<b>Éire/Ireland</b>	<b>107</b>
<b>Elláda</b>	<b>121</b>
<b>España</b>	<b>135</b>
<b>France</b>	<b>149</b>
<b>Italia</b>	<b>163</b>
<b>Kypros/Kibris</b>	<b>177</b>
<b>Latvija</b>	<b>191</b>
<b>Lietuva</b>	<b>205</b>
<b>Luxembourg</b>	<b>219</b>
<b>Magyarország</b>	<b>233</b>
<b>Malta</b>	<b>247</b>
<b>Nederland</b>	<b>261</b>
<b>Österreich</b>	<b>275</b>
<b>Polska</b>	<b>289</b>
<b>Portugal</b>	<b>303</b>
<b>România</b>	<b>317</b>
<b>Slovenija</b>	<b>331</b>
<b>Slovensko</b>	<b>345</b>
<b>Suomi/Finland</b>	<b>359</b>
<b>Sverige</b>	<b>373</b>
<b>United Kingdom</b>	<b>387</b>
<b>Hrvatska</b>	<b>401</b>
<b>Türkiye</b>	<b>415</b>
<b>Island</b>	<b>429</b>
<b>Norge</b>	<b>443</b>
<b>Schweiz/Suisse/Svizzera</b>	<b>457</b>

## 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
<b>Oil equivalent<sup>(1)</sup></b>	<b>1 kg</b>	<b>41868</b>	<b>1</b>
Crude oil	"	41600 - 42800	0.994 - 1.022
Feedstocks	"	42500	1.015
Refinery gas	"	50000	1.194
LPG	"	46000	1.099
Motor spirit	"	44000	1.051
Kerosenes, jet fuels	"	43000	1.027
Naphtha	"	44000	1.051
Gas diesel oil	"	42300	1.010
Residual fuel oil	"	40000	0.955
White spirit, industrial spirit	"	44000	1.051
Lubricants	"	42300	1.010
Bitumen	"	37700	0.900
Petroleum cokes	"	31400	0.750
Others petroleum products (paraffins, waxes, etc.)	"	30000	0.717
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

<sup>(1)</sup> 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** (NACE<sup>1</sup> 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 )

---

<sup>1</sup> NACE Rev.1 General Classification of Industrial Activities in the European Community

## Abbreviations and symbols

<b>p</b>	provisional data	<b>kWh</b>	kilowatt hour
<b>:</b>	no data available	<b>MW</b>	megawatt = $10^3$ kW
<b>¾</b>	nil*	<b>GWh</b>	gigawatt hour = $10^6$ kWh
<b>0</b>	figure less than half the unit used	<b>J</b>	joule
<b>kgoe</b>	kilogram of oil equivalent (41868 kjoules NCV/kg)	<b>kJ</b>	kilojoule
<b>Mio</b>	million	<b>TJ</b>	terajoule = $10^9$ kJ
<b>Mrd</b>	1 000 million	<b>NCV</b>	net calorific value
<b>t</b>	tonne (metric ton)	<b>GCV</b>	gross calorific value
<b>t = t</b>	tonne for tonne	<b>EUR</b>	European currency unit
<b>toe</b>	tonne of oil equivalent (41868 kjoules NCV/kg)	<b>of which</b>	the words 'of which' indicate the presence of all the subdivisions of the total
		<b>among which</b>	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					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	932 067	926 356	922 330	890 188	870 307	849 592
Net energy imports		858 852	905 367	941 890	986 618	1 011 222	988 354
Net oil imports		543 316	565 676	580 701	600 540	608 790	588 290
Net gas imports		207 682	223 509	235 303	257 366	266 455	260 538
Gross inland energy consumption		1 757 803p	1 803 034	1 823 916	1 825 632	1 825 523	1 806 378
Final energy consumption		1 126 807p	1 159 718p	1 173 009p	1 172 277p	1 175 594p	1 157 675p
Industry		325 655p	331 589p	332 217p	325 795p	319 510p	322 867p
Transport		346 824p	352 267	360 728	363 232	371 144p	377 249p
Services and households etc.		454 328p	475 862	480 064	483 251p	484 940	457 559p
Gross electricity generation	GWh	3 116 870	3 216 020	3 287 566	3 308 947	3 353 954	3 361 694
Final electricity consumption		2 599 739	2 667 957	2 721 789	2 762 677	2 826 071	2 843 240
<b>Socio-economic statistics</b>							
Population	1000 per.	484 613	486 618	488 757	491 023	492 976	495 090
Total imports (current prices)	Mio EUR	3 370 145	3 381 153	3 689 916	4 057 764	4 597 133	4 907 112
among which:							
All energy commodities		:	:	:	:	:	468 047
Oil products		:	:	:	:	:	364 066
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 627	3 705	3 732	3 718	3 703	3 649
Final energy consumption / capita		2 325	2 383	2 400	2 387	2 385	2 338
Household consumption / capita		604	626	627	626	618	575
Final electricity consumption / capita	kWh/cap.	5 365	5 483	5 569	5 626	5 733	5 743
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	47.6	49.0	50.3	52.6	53.8	53.1
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	64.1	64.3	64.3	64.2	64.4	64.1
Efficiency of thermal power stations		45.3	45.3	46.8	47.6	47.6	47.0

## 2. Energy balance

### Principal aggregates by product

		EU-27					
		2002	2003	2004	2005	2006	2007
		<i>in 1 000 toe</i>					
<b>Primary production</b>							
Total		932 067	926 356	922 330	890 188	870 307	849 592
among which:	Hard coal	110 827	109 380	103 758	99 180	93 511	88 604
	Lignite and peat	99 234	99 560	97 512	95 912	96 994	98 179
	Crude oil	161 616	151 556	140 870	128 320	116 712	115 297
	Natural Gas	204 288	199 809	203 242	188 677	179 413	167 356
	Nuclear heat	255 425	256 886	260 130	257 360	255 342	241 258
	Hydro-electricity	27 120	26 332	27 827	26 395	26 569	26 653
	Biomass	65 641	72 577	77 692	81 858	87 936	96 179
<b>Imports</b>							
Total		1 307 147	1 348 849	1 409 177	1 457 336	1 495 604	1 466 544
among which:	Hard coal	127 782	133 422	146 430	145 157	156 322	156 806
	Crude oil and feedstocks	623 477	638 760	660 456	660 366	658 856	652 868
	Petroleum products	252 572	255 897	269 188	294 399	307 790	287 447
	Natural Gas	267 027	282 509	296 123	317 468	332 859	327 719
	Electricity	24 498	24 969	24 124	27 886	26 700	27 360
<b>Exports</b>							
Total		448 296	443 482	467 286	470 718	484 382	478 189
among which:	Crude oil and feedstocks	110 315	98 596	90 026	78 521	71 928	75 222
	Petroleum products	222 418	230 386	258 917	275 704	285 928	276 803
	Natural gas	59 344	59 001	60 819	60 102	66 404	67 181
	Electricity	23 427	25 116	24 756	26 913	26 401	26 458
<b>Gross inland consumption</b>							
Total		1 757 803p	1 803 034	1 823 916	1 825 632	1 825 523	1 806 378
among which:	Solid fuels	320 912	331 902	329 952	319 514	325 095	331 232
	Crude oil and petrol. prod.	667 896	673 989	676 409	676 493	673 078	656 931
	Natural gas	405 956	425 915	435 722	445 998	437 978	432 412
	Nuclear Energy	255 425	256 886	260 130	257 360	255 342	241 258
	Renewables	100 872	108 999	117 376	121 633	129 927	141 035
<b>Transformation input</b>							
Total		1 470 764p	1 507 137	1 526 563	1 520 532	1 526 722	1 499 813
among which:	Crude oil and feedstocks	732 444	744 659	759 188	757 986	754 569	732 437
	Petroleum products	40 859p	37 531	31 308	31 573	28 735	23 838
	Hard coal	188 084	197 594	196 926	188 876	196 724	197 294
	Lignite and peat	95 205	96 713	95 191	93 220	93 738	96 229
	Renewables	21 628	26 440	30 225	33 086	36 021	41 691
<b>Transformation output</b>							
Total		1 064 544p	1 089 575p	1 111 627p	1 111 699p	1 112 738p	1 086 849p
among which:	Electricity	234 992	243 585	246 853	248 985	251 683	250 530
	Heat	47 429p	48 730p	51 746p	52 523p	52 882p	50 671p

in 1 000 toe	EU-27					
	2002	2003	2004	2005	2006	2007
<b>Final energy consumption</b>						
Total	1 126 807p	1 159 718p	1 173 009p	1 172 277p	1 175 594p	1 157 675p
<i>among which:</i> Solid fuels	56 411	55 581	56 038	54 665	55 370	53 846
Petroleum products	486 007p	494 214	500 287	497 607	496 512	484 542
Natural Gas	259 526	274 845	276 270	274 881p	268 387p	259 748p
Renewables	49 028	52 296	54 108	55 869	59 913	63 144
Electricity	223 537	229 403	234 032	237 547	242 998	244 475
<b>Final energy consumption by sector</b>						
<b>Industry</b>						
Total	325 655p	331 589p	332 217p	325 795p	319 510p	322 867p
<i>among which:</i> Solid fuels	43 813	43 980	44 662	43 668	42 741	42 881
Petroleum Products	49 342p	49 820	51 634	48 242	46 486	46 015
Natural Gas	101 273	104 343	99 477	96 945p	91 533	92 933
Renewables	16 027	16 288	16 896	17 107	18 117	18 617
Electricity	93 901	94 787	96 882	97 648	97 395	98 876
<b>Transport</b>						
Total	346 824p	352 267	360 728	363 232	371 144p	377 249p
<i>among which:</i> Motor spirit	127 745p	123 820	120 652	114 370	110 286	106 533
Diesel oil	162 919p	170 163	178 583	183 665	191 062	196 598
Jet fuel	43 605p	44 977	47 328	49 703	51 719	53 277
Electricity	6 157	6 216	6 262	6 352	6 088	6 162
<b>Services&amp;households</b>						
Total	454 328p	475 862	480 064	483 251p	484 940	457 559p
<i>among which:</i> Solid fuels	12 567	11 595	11 371	10 987	12 625	10 962
Gas oil	79 207p	80 765	77 617	77 281	73 947	59 905
Natural Gas	157 798	170 046	176 332	177 429p	176 208	166 079
Renewables	32 015	34 657	35 236	35 616	36 418	36 649
Electricity	123 479	128 400	130 888	133 547	139 516	139 437
Heat	30 881	30 885	29 482	29 392	29 054	28 262p

### 3.1 Electricity balance

	EU-27					
	2002	2003	2004	2005	2006	2007
<i>in GWh</i>						
<b>Generation</b>						
Total gross generation	3 116 870	3 216 020	3 287 566	3 308 947	3 353 954	3 361 694
<i>among which:</i>						
Hydro	347 929	338 307	357 147	341 388	344 614	343 768
Wind	35 710	44 370	58 815	70 486	82 306	104 259
Geothermal	4 761	5 434	5 523	5 397	5 615	5 773
Nuclear	990 196	995 860	1 008 437	997 699	989 877	935 277
Conventional thermal	1 737 994	1 831 590	1 856 924	1 892 527	1 929 054	1 968 851
<i>of which:</i>						
Hard coal	579 226	622 508	613 718	589 525	613 063	606 165
Lignite and peat	356 210	380 533	368 657	379 719	374 045	382 202
Petroleum products	184 321	162 770	145 985	138 973	131 685	112 483
Natural gas	525 534	566 824	616 041	660 980	681 668	725 097
Derived gases	29 957	30 326	31 087	31 698	30 830	35 084
Biomass	48 505	57 645	68 845	79 897	89 842	101 808
Industrial wastes	14 241	10 984	12 591	11 735	7 921	6 012
Total net generation	2 953 051	3 049 164	3 116 584	3 134 088	3 177 834	3 185 265
<b>Imports and exports</b>						
Total imports	284 907	290 384	280 567	324 311	310 520	318 194
Total exports	272 455	292 104	287 916	313 001	307 042	307 705
<b>Consumption and losses</b>						
Consumption of the energy branch	288 609	297 915	301 516	305 052	295 658	297 574
<i>of which:</i>						
Consumption for pumped-storage	14 080	13 533	13 284	13 595	11 475	11 181
Network losses	208 445	215 373	223 201	219 013p	202 127	203 743
Final energy consumption	2 599 739	2 667 957	2 721 789	2 762 677	2 826 071	2 843 240
<i>of which:</i>						
Industry	1 092 068	1 102 374	1 126 737	1 135 642	1 132 702	1 149 931
<i>among which:</i>						
Iron&steel industry	126 876	129 891	134 456	135 798	141 185	138 690p
Non-ferrous metals	78 005	79 513	82 777	80 770	78 122	80 701p
Chemical industry	197 531	195 070	196 700	206 404p	199 554p	199 531p
Non-met. mineral prod.	80 606	82 038	84 454	82 892	84 426	85 069p
Food, drink, tobacco	102 720	105 384	107 519	111 657p	110 730p	111 830p
Pulp, paper and print	135 327	136 477	140 967	141 902	146 150	142 223p
Engineering & metal	149 772	149 938	153 239	155 332p	157 745p	158 295p
Other industries	165 359	170 022	173 245	172 019p	166 844p	186 404p
Transport	71 609	72 287	72 827	73 878	70 798	71 662
Services & households etc.	1 436 062	1 493 296	1 522 225	1 553 157	1 622 571	1 621 647
<i>among which:</i>						
Households	738 506	770 833	784 168	795 044p	806 524p	800 723p

## 3.2 Electrical capacity, fuel inputs and heat

		EU-27					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	715 860	728 448	736 639	747 319	762 164	779 192
<b>by source:</b>							
Conventional thermal		412 350	424 452	427 054	432 136	440 094	449 129
<i>of which:</i>							
Steam		:	:	:	:	:	:
Gas turbine		:	:	:	:	:	:
Combined cycle		:	:	:	:	:	:
Internal combustion		:	:	:	:	:	:
Nuclear		137 968	137 276	136 414	134 994	133 806	132 829
Hydro		141 739	137 468	138 227	138 992	139 883	140 266
<i>among which:</i>							
Pumped storage		36 566	36 317	36 233	36 390	37 929	38 306
Wind		23 123	28 531	34 288	40 512	47 685	56 270
Geothermal		680	721	656	685	696	698
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		670 291	681 762	685 349p	690 256p	716 826p	730 596p
Autoproducers		45 338	47 135	51 340p	52 670p	52 960p	54 258p
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	401 114p	422 755	423 323	424 269	432 560	442 192
<i>among which:</i>							
Hard coal		137 930	146 547	145 018	139 766	145 069	145 247
Lignite and peat		91 389	92 753	90 432	88 543	88 837	91 287
Petroleum products		38 365p	35 378	29 390	29 838	26 741	22 333
Natural gas		102 981	113 128	120 086	125 931	128 873	133 167
Renewables		18 733	23 277	26 971	29 737	32 450	38 296
Heating plants		17 683	17 159	16 154	15 822	15 343	14 562
<i>among which:</i>							
Hard coal		4 293	4 191	4 034	3 682	3 483	3 660
Lignite and peat		546	592	510	348	336	381
Petroleum products		1 819	1 428	1 358	1 193	1 296	839
Natural gas		7 675	7 355	6 736	7 065	6 477	6 099
Renewables		2 895	3 163	3 254	3 349	3 571	3 395
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	47 429p	48 730p	51 746p	52 523p	52 882p	50 671p
<i>among which: in heating plants</i>		15 296	14 990	13 659	13 819	13 420	12 644p
Heat consumption		40 304p	41 069p	39 863p	40 038p	40 139p	41 619p
<i>of which: in industry</i>		9 423p	10 184p	10 381p	10 646p	11 085p	13 357p
in households and services		30 881	30 885	29 482	29 392	29 054	28 262p
<i>among which: in households</i>		20 846	20 819	19 899	19 831	19 624	18 890p

## 4.1 Crude oil and feedstocks

	EU-27					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	158 237	148 457	138 079	125 838	114 549	113 128
Total imports	613 816	628 329	649 884	649 729	648 414	642 709
Total exports	107 973	96 585	88 234	77 002	70 614	73 852
Stock changes	227	-736	-2 932	-110	-1 196	-1 207
Refinery intake	720 900	732 350	746 932	745 697	742 539	720 929
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	186 217	204 135	210 556	216 314	213 801	194 692
Near and Middle East	122 298	123 857	122 432	118 736	113 831	102 822
Africa	99 011	106 451	103 779	112 628	111 081	113 812
<i>by country of origin:</i>						
Algeria	17 967	18 639	21 609	22 776	16 538	13 231
Irak	15 963	8 475	12 553	12 290	16 610	19 094
Iran	25 928	34 674	35 945	35 385	36 350	34 062
Kazakhstan	13 368	15 948	22 154	26 386	26 789	18 288
Kuwait	6 384	6 243	6 605	7 621	6 696	6 421
Libya	39 157	45 949	49 988	50 601	53 165	55 536
Mexico	9 668	8 671	8 808	10 647	8 703	8 623
Nigeria	18 440	23 224	14 858	18 618	20 235	15 523
Norway	103 078	106 404	108 627	97 470	89 050	84 306
Russia	154 698	170 828	188 898	188 000	189 579	185 309
Saudi Arabia	53 144	61 535	64 460	60 748	51 069	39 480
Syria	20 587	12 945	9 081	9 027	7 481	7 515
United Arab Emirates	-	68	84	1 060	1 589	1 099



## 4.2 Petroleum products

	EU-27					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	710 500	723 110	737 206	736 103	731 745	709 737
<i>among which:</i>						
Motor spirit	151 337	151 604	155 420	152 496	151 698	144 540
Kerosene and jet fuel	41 530	43 415	46 763	45 092	46 857	46 021
Naphtha	41 039	44 001	42 846	44 025	40 747	36 204
Gas/diesel oil	254 628	259 657	261 005	267 721	266 248	265 402
Residual fuel oil	112 270	112 429	115 872	113 846	112 763	110 022
Total imports	251 963	255 435	268 518	293 776	307 069	286 800
Total exports	219 643	227 682	255 991	272 803	282 802	274 093
Bunkers	47 491	48 057	51 336	53 471	56 504	57 129
Stock changes	2 935	-1 965	2 075	-6 227	-2 634	3 062
Gross inland consumption	-10 952	-20 428	-35 242	-37 277	-33 695	-40 419
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	34 591	34 319	38 182	42 817	45 138	38 903
United Kingdom	22 141	20 918	20 565	21 021	21 366	24 466
Norway	7 044	7 733	7 871	9 195	8 398	7 714
OPEC	25 460	23 157	24 997	25 296	26 050	26 904
Imports by product						
<i>among which:</i>						
Motor spirit	29 296	28 870	27 606	30 000	31 141	30 045
Kerosene and jet fuel	19 786	20 966	23 787	28 139	27 964	28 324
Gas/diesel oil	86 416	88 698	94 464	103 519	109 322	96 196
Residual fuel oil	51 646	47 669	46 050	53 978	57 533	55 865
Exports by product						
<i>among which:</i>						
Motor spirit	52 260	54 347	64 047	68 211	72 175	70 252
Kerosene and jet fuel	10 551	11 326	12 551	13 739	13 427	13 540
Gas/diesel oil	70 071	68 625	72 633	79 047	82 220	81 409
Residual fuel oil	42 292	46 163	55 554	61 964	62 599	63 510
<b>Consumption</b>						
Inputs to electricity plants	39 901p	36 822	30 571	31 054	27 800	23 132
Inputs to heating plants	1 870	1 473	1 395	1 230	1 331	864
Non-energy use	92 096p	92 755	94 280	98 600	96 906	94 760
Final energy consumption	475 360p	483 601	489 575	487 162	486 370	474 530
Industry						
<i>among which by product:</i>						
Gas/diesel oil	13 307p	13 205	13 848	13 930	12 191	12 491
Residual fuel oil	17 167p	17 052	16 470	14 316	14 424	12 822

	EU-27					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Industry</b>						
<i>among which by sector:</i>						
Iron&steel industry	3 040p	2 950	3 127	2 883	2 894	2 442
Non-ferrous metals	1 124p	1 087	1 061	1 112	1 387	1 053
Chemical industry	8 465p	8 394	10 564	8 251	6 825	7 773
Non-met. mineral prod.	13 086p	14 013	14 399	14 305	14 266	13 861
Food, drink, tobacco	5 221p	5 030	4 842	4 269	4 097	3 960
Pulp, paper and print	2 356p	2 350	2 174	2 012	1 992	1 827
Engineering & metal	3 505p	3 461	3 288	3 112	3 062	3 853
Other industries	11 002p	12 280	11 879	12 226	12 518	11 714
<b>Transport</b>	328 758p	333 816	341 535	342 876	348 701	352 182
<i>among which:</i>						
Motor spirit	121 555p	117 820	114 805	108 828	104 942	101 371
Jet fuel	42 457p	43 793	46 082	48 395	50 357	51 874
Diesel oil	160 141p	167 261	175 537	180 532	187 804	193 247
<b>Services &amp; households etc.</b>	95 161p	97 832	94 259	93 804	88 787	74 096
<i>among which:</i>						
Gas oil	77 849p	79 380	76 288	75 956	72 679	58 879
Residual fuel oil	3 119p	3 934	2 623	2 567	2 259	1 903
<b>Stocks at end of period</b>						
Crude oil and feedstocks	62 286	62 647	65 895	66 041	67 990	69 235
Petroleum products	99 041	99 806	97 712	104 448	105 506	102 083

## 5. Natural gas

<i>in TJ (GCV)</i>	EU-27					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	9 503 470	9 295 119	9 454 825	8 777 231	8 346 300	7 785 401
Total imports	12 422 080	13 142 336	13 775 622	14 768 595	15 484 623	15 245 491
Total exports	2 760 706	2 744 705	2 829 312	2 795 937	3 089 120	3 125 253
Stock changes	-279 783	120 807	-131 369	-2 074	-368 979	206 703
Gross inland consumption	18 885 061	19 813 557	20 269 766	20 747 815	20 374 735	20 115 790
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	2 132 477	2 158 803	2 042 137	2 256 826	2 132 236	1 943 976
Egypt	-	-	-	202 419	327 394	221 305
Libya	25 536	30 390	47 809	209 499	321 150	383 615
Nigeria	217 882	335 929	410 260	436 319	563 905	588 317
Norway	2 601 569	2 699 473	2 801 723	2 671 779	2 844 237	3 061 751
Oman	45 336	23 221	53 316	71 379	32 914	13 022
Qatar	87 952	80 414	160 170	195 713	232 721	275 496
Russia	4 554 744	4 895 252	4 951 044	4 952 879	4 937 711	4 685 365
<b>Consumption</b>						
Inputs to electricity plants	4 790 696	5 262 737	5 586 400	5 858 290	5 995 165	6 194 909
Inputs to heat plants	357 041	342 154	313 371	328 671	301 305	283 744
Consumption of energy branch	708 490	653 146	666 661	687 920	711 746	712 470
Distribution losses	139 652	150 070	168 801	174 947	182 155	163 518
Non-energy use	624 500	638 211	652 888	706 863p	659 910	697 839
Industry	4 711 213	4 854 026	4 627 665	4 509 887p	4 258 119	4 323 232
<i>among which:</i>						
Iron&steel industry	486 323	495 127	520 682	483 489p	479 181	466 748
Non-ferrous metals	141 132	135 338	130 569	120 400p	126 118	130 392
Chemical industry	1 049 049	1 120 253	1 037 452	1 051 890p	977 151	966 155
Non-met. mineral prod.	790 860	835 441	799 712	814 627p	773 467	765 718
Food, drink, tobacco	663 291	691 885	648 940	600 953p	560 186	590 933
Pulp, paper and print	429 094	465 690	406 541	402 926p	390 107	423 119
Engineering & metal	533 411	551 618	539 182	516 442p	509 588	531 394
Other industries	350 538	283 822	294 003	322 236p	254 801	273 597
Transport	21 134	21 249	21 464	23 550	30 044p	34 235p
Services & households etc.	7 340 783	7 910 526	8 202 961	8 254 018p	8 197 177	7 726 004
<i>among which:</i>						
Households	5 217 571	5 535 482	5 726 833	5 740 740p	5 581 513	5 262 479
Services	1 908 732	2 162 205	2 242 868	2 289 676	2 413 194	2 255 681

## 6.1 Hard coal

	EU-27					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	191 054	186 491	180 207	170 420	161 277	152 232
Total imports	201 569	210 143	229 590	227 404	246 862	248 456
Total exports	39 980	35 095	37 038	34 465	35 151	34 339
Stock changes	2 363	8 576	-2 291	-3 834	188	10 234
Gross inland consumption	357 048	372 483	374 911	361 535	374 911	378 336
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	29 337	31 004	30 838	27 013	27 147	29 069
Colombia	21 398	22 908	24 224	24 147	26 068	29 018
Russia	23 033	26 545	40 382	48 304	55 544	56 117
South Africa	53 961	56 932	54 190	51 698	53 080	46 121
USA	14 082	12 619	15 416	15 673	17 370	20 833
<b>Consumption</b>						
Inputs to electricity plants	238 163	252 633	250 195	241 238	252 142	251 853
Inputs to heat plants	8 125	7 941	7 509	6 674	6 621	6 753
Consumption of energy branch	1 201	1 315	1 173	1 216	665	1 210
Industry	30 014	29 091	31 136	32 299	32 021	32 230
<i>among which:</i>						
Iron&steel industry	11 754	12 446	14 306	15 730	16 226	15 365
Non-ferrous metals	391	348	286	488	236	256
Chemical industry	3 705	2 764	2 903	3 478	2 939	2 498
Non-met. mineral prod.	7 687	7 393	7 298	6 705	6 939	8 567
Food, drink, tobacco	2 688	2 534	2 559	2 471	2 331	2 369
Pulp, paper and print	1 731	1 649	1 662	1 689	1 632	1 437
Engineering & metal	674	606	519	395	338	276
Other industries	792	831	855	888	952	834
Services & households etc.	15 052	13 748	13 972	14 260	15 573	14 892

## 6.2 Coal derivatives and peat

	EU-27					
	2002	2003	2004	2005	2006	2007
<b>Production</b>						
<b>Solid fuels</b>	<i>in 1 000 t</i>					
Coke	48 658	50 604	51 848	50 188	52 068	51 900
Patent Fuel	636	558	465	388	386	336
Lignite and peat	472 914	478 089	470 628	466 263	467 636	465 810
Brown coal briquettes	7 124	7 112	7 164	7 551	8 364	8 184
<b>Derived gases</b>	<i>in TJ (GCV)</i>					
Coke-oven gas	375 332	380 445	379 834	363 931	385 383	384 749
Blast-furnace gas	591 507	609 721	626 104	611 247	638 759	650 298
Gasworks gas	23 453	25 609	23 904	24 700	25 091	24 207
<b>Consumption</b>						
<b>Solid fuels</b>	<i>in 1 000 t</i>					
Coke	34 858	34 900	33 672	30 508	29 856	30 015
<i>among which:</i>						
Iron & steel industry	30 441	30 977	30 422	28 109	27 512	27 815
Services & households	1 488	1 317	996	518	511	296
Patent Fuel	674	529	461	394	397	374
<i>among which:</i>						
Services & households	648	511	449	394	396	372
Lignite and peat	10 590	11 606	10 918	9 699	11 077	8 822
<i>among which:</i>						
Industry	6 227	7 229	6 212	6 470	6 848	5 804
Services & households	4 363	4 368	4 706	3 215	4 217	3 009
Brown coal briquettes	4 608	4 615	4 681	4 242	4 641	3 829
<i>among which:</i>						
Industry	2 137	2 152	2 628	2 654	2 757	2 563
Services & households	2 465	2 457	2 047	1 583	1 884	1 266
<b>Total derived gases</b>	<i>in TJ (GCV)</i>					
Coke-oven gas	151 389	148 308	151 358	141 500	149 462	140 026
Blast-furnace gas	251 539	261 945	257 582	237 661	248 691	247 393
Gasworks gas	4 915	6 051	5 128	5 082	4 772	4 281
Inputs to electricity plants	345 714	358 298	369 517	373 930	389 332	413 359
Inputs to heat plants	11 311	10 242	9 004	6 012	5 931	5 858
Consumption of energy branch	204 259	206 473	210 930	209 243	211 800	212 325
Consumption in industry	403 556	411 879	409 572	379 582	398 526	388 004

## 7. Renewable energy sources

		EU-27					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	100 345	108 639	116 650	120 454	128 146	138 831
Hydro (excl. pumping)		27 120	26 332	27 827	26 395	26 569	26 653
Wind		3 071	3 815	5 057	6 061	7 077	8 965
Solar		539	594	676	807	987	1 263
Geothermal		3 976	5 320	5 398	5 334	5 577	5 771
Biomass		65 641	72 577	77 692	81 858	87 936	96 179
	<i>among which:</i>						
Wood, wood-waste		53 051	58 971	62 236	63 326	66 032	68 218
Municipal solid waste		8 120	8 786	9 405	10 293	10 977	13 415
Biogas		3 423	3 377	3 856	4 408	4 740	5 737
Gross inland consumption		100 872	108 999	117 376	121 633	129 927	141 035
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		3 380	4 728	4 811	4 702	4 901	5 056
Biomass		18 247	21 711	25 412	28 382	31 119	36 631
	<i>among which:</i>						
Wood, wood-waste		8 226	10 642	13 219	14 116	15 763	17 361
Municipal waste		7 366	8 100	8 638	9 572	10 206	12 554
Biogas		2 631	2 948	3 417	3 958	4 266	5 265
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	49 028	52 296	54 108	55 869	59 913	63 144
	<i>by sector:</i>						
Industry		16 027	16 288	16 896	17 107	18 117	18 617
Services & households etc.		32 015	34 657	35 236	35 616	36 418	36 649
Transport		986	1 351	1 975	3 145	5 378	7 877
	<i>by source:</i>						
Biomass		47 919	51 150	52 909	54 556	58 464	61 486
	<i>among which:</i>						
Wood, wood-waste		45 380	48 764	49 810	50 317	51 864	52 296
Municipal waste		754	685	761	720	769	859
Biogas		788	340	352	363	393	391
Geothermal		595	592	587	631	676	721
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		280	459	720	1 450	2 488	3 758
Hydro with installed capacity < 1 MW		9 372	9 478	9 525	9 224	9 140	10 457
Hydro with installed capacity > 1 & <10 MW		31 215	28 120	33 526	30 124	31 091	30 899
Hydro with installed capacity > 10 MW		271 483	262 168	275 850	267 681	270 781	268 138
Wood, Wood-waste		24 352	29 491	37 189	41 507	46 194	52 488
Municipal waste		16 394	18 011	19 434	22 654	24 780	27 224
Biogas		9 311	10 124	11 630	13 470	15 412	18 635

	EU-27					
	2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>						
	<i>in MW</i>					
Solar photovoltaics (peak)	346	530	878	1 694	3 224	4 753
Hydro with installed capacity < 1 MW	2 781	2 738	2 784	2 842	2 839	2 814
Hydro with installed capacity > 1 & <10 MW	9 374	8 804	9 279	9 470	9 664	9 519
Hydro with installed capacity > 10 MW	93 343	89 685	93 296	93 737	93 567	89 626
Wood, Wood-waste	6 049	7 373	8 470	10 739	13 417	14 081
Municipal waste	2 463	3 725	4 195	5 157	5 791	5 452
Biogas	1 588	1 876	2 103	2 782	3 213	3 720
<b>Liquid biofuels</b>						
Production	<i>1000 t</i>					
	1 275	1 748	2 570	4 519	7 313	10 369
<b>Solar Panels</b>						
Solar panel surface	<i>1000 m<sup>2</sup></i>					
	13 116	15 167	16 508	18 757	21 698p	24 708





# 1. Energy economy

## Key figures and energy indicators

		BELGIQUE/BELGIË					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	12 984	13 213	13 244	13 454	13 367	13 713
Net energy imports		49 341	53 244	53 940	53 775	53 486	51 452
Net oil imports		29 166	32 216	32 333	32 623	32 177	31 031
Net gas imports		13 653	14 243	14 559	14 817	15 030	14 900
Gross inland energy consumption		58 441	61 577	61 474	61 147	60 411	57 377
Final energy consumption		37 652	40 042	39 427	38 444	38 165	34 874
Industry		14 429	14 667	14 371	13 563	14 429	12 339
Transport		9 654	10 177	10 247	9 926	9 626	9 586
Services and households etc.		13 569	15 199	14 808	14 955	14 111	12 949
Gross electricity generation	GWh	82 060	84 616	85 441	87 025	85 535	88 820
Final electricity consumption		78 443	79 677	80 603	80 183	82 585	82 879
<b>Socio-economic statistics</b>							
Population	1000 per.	10 310	10 356	10 396	10 446	10 511	10 585
Total imports (current prices)	Mio EUR	208 298	210 244	230 291	250 423	267 898	287 434
among which:							
All energy commodities		16 570	18 102	22 118	31 988	38 214	34 959
Oil products		12 047	12 761	14 465	20 314	24 545	25 320
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	5 669	5 946	5 913	5 854	5 747	5 421
Final energy consumption / capita		3 652	3 867	3 792	3 680	3 631	3 295
Household consumption / capita		901	955	965	951	850	767
Final electricity consumption / capita	kWh/cap.	7 609	7 694	7 753	7 676	7 857	7 830
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	75.6	77.8	78.0	78.2	77.9	77.2
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	64.4	65.0	64.1	62.9	63.2	60.8
Efficiency of thermal power stations		50.6	48.1	47.8	48.6	50.4	51.5

## 2. Energy balance

### Principal aggregates by product

in 1 000 toe	BELGIQUE/BELGIË					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	12 984	13 213	13 244	13 454	13 367	13 713
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	12 217	12 222	12 204	12 277	12 032	12 440
Hydro-electricity	31	21	27	25	31	33
Biomass	728	959	997	1 127	1 267	1 189
<b>Imports</b>						
Total	74 624	78 240	80 925	81 051	79 209	77 995
<i>among which:</i> Hard coal	6 934	6 573	6 853	6 163	5 639	5 191
Crude oil and feedstocks	36 293	39 063	37 996	35 487	35 103	36 479
Petroleum products	15 870	16 687	19 762	22 844	21 164	19 215
Natural Gas	13 653	14 243	14 559	14 817	15 030	14 900
Electricity	1 432	1 261	1 253	1 232	1 621	1 360
<b>Exports</b>						
Total	25 283	24 995	26 985	27 276	25 722	26 543
<i>among which:</i> Crude oil and feedstocks	2 781	3 054	3 098	3 281	2 810	3 528
Petroleum products	20 216	20 480	22 326	22 427	21 280	21 134
Natural gas	-	-	-	-	-	-
Electricity	780	710	584	690	748	777
<b>Gross inland consumption</b>						
Total	58 441	61 577	61 474	61 147	60 411	57 377
<i>among which:</i> Solid fuels	6 652	6 216	6 090	5 450	5 163	4 609
Crude oil and petrol. prod.	22 673	25 090	24 685	24 747	23 670	22 630
Natural gas	13 378	14 402	14 570	14 740	14 995	14 929
Nuclear Energy	12 217	12 222	12 204	12 277	12 032	12 440
Renewables	903	1 151	1 246	1 458	1 767	1 795
<b>Transformation input</b>						
Total	68 619	68 998	66 894	60 648	60 537	62 513
<i>among which:</i> Crude oil and feedstocks	46 213	45 827	43 469	37 438	37 407	39 298
Petroleum products	166	258	432	411	327	185
Hard coal	4 876	4 701	4 630	4 255	4 186	3 761
Lignite and peat	-	-	-	-	-	-
Renewables	404	574	638	769	1 001	925
<b>Transformation output</b>						
Total	56 660	56 383	54 307	48 089	47 539	49 193
<i>among which:</i> Electricity	6 923	7 155	7 197	7 325	7 183	7 450
Heat	545	550	558	533	699	634

		BELGIQUE/BELGIË					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		37 652	40 042	39 427	38 444	38 165	34 874
<i>among which:</i>	Solid fuels	2 452	2 381	2 326	2 080	2 034	1 877
	Petroleum products	15 411	17 680	16 693	16 529	15 544	14 533
	Natural Gas	9 712	9 653	9 958	9 513	10 012	9 668
	Renewables	463	548	569	646	704	751
	Electricity	6 745	6 851	6 931	6 894	7 101	7 126
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		14 429	14 667	14 371	13 563	14 429	12 339
<i>among which:</i>	Solid fuels	2 224	2 210	2 139	1 933	1 888	1 748
	Petroleum Products	1 099	1 414	1 075	1 075	1 199	1 003
	Natural Gas	4 641	4 386	4 425	3 998	4 707	4 858
	Renewables	308	351	375	447	485	440
	Electricity	3 348	3 437	3 471	3 390	3 458	3 451
<b>Transport</b>							
Total		9 654	10 177	10 247	9 926	9 626	9 586
<i>among which:</i>	Motor spirit	2 196	2 214	2 032	1 854	1 542	1 468
	Diesel oil	5 880	6 041	6 571	6 496	6 666	6 800
	Jet fuel	1 257	1 544	1 425	1 281	1 182	1 019
	Electricity	125	128	129	144	136	143
<b>Services&amp;households</b>							
Total		13 569	15 199	14 808	14 955	14 111	12 949
<i>among which:</i>	Solid fuels	228	171	187	147	145	129
	Gas oil	4 334	5 177	5 141	5 171	4 517	3 723
	Natural Gas	5 070	5 267	5 533	5 515	5 293	4 810
	Renewables	155	197	194	199	219	224
	Electricity	3 272	3 286	3 331	3 361	3 507	3 533
	Heat	62	60	60	55	74	75

### 3.1 Electricity balance

	BELGIQUE/BELGIË					
	2002	2003	2004	2005	2006	2007
<i>in GWh</i>						
<b>Generation</b>						
Total gross generation	82 060	84 616	85 441	87 025	85 535	88 820
<i>among which:</i>						
Hydro	1 488	1 316	1 607	1 604	1 628	1 683
Wind	57	88	129	227	363	491
Geothermal	-	-	-	-	-	-
Nuclear	47 360	47 379	47 312	47 595	46 645	48 227
Conventional thermal	33 155	35 833	36 392	37 598	36 897	38 413
<i>of which:</i>						
Hard coal	10 029	9 638	9 147	8 199	6 848	6 473
Lignite and peat	-	-	-	-	-	-
Petroleum products	972	1 007	1 675	1 740	1 377	813
Natural gas	17 868	21 609	21 477	22 849	23 022	25 384
Derived gases	2 631	1 970	2 336	2 294	2 368	1 854
Biomass	1 169	1 339	1 535	2 114	3 002	3 107
Industrial wastes	486	270	222	402	280	782
Total net generation	78 143	80 806	81 538	83 395	81 893	85 092
<b>Imports and exports</b>						
Total imports	16 658	14 664	14 567	14 328	18 853	15 816
Total exports	9 070	8 254	6 790	8 024	8 696	9 037
<b>Consumption and losses</b>						
Consumption of the energy branch	6 307	6 525	7 465	7 542	7 533	7 345
<i>of which:</i>						
Consumption for pumped-storage	395	377	406	459	421	418
Network losses	3 768	3 757	3 855	4 156	4 179	4 064
Final energy consumption	78 443	79 677	80 603	80 183	82 585	82 879
<i>of which:</i>						
Industry	38 933	39 975	40 367	39 423	40 211	40 134
<i>among which:</i>						
Iron&steel industry	6 833	7 015	7 061	5 997	6 193	6 486
Non-ferrous metals	1 997	2 083	2 123	1 729	2 468	2 298
Chemical industry	13 177	13 537	13 473	13 767	11 766	13 176
Non-met. mineral prod.	2 515	2 563	2 613	2 325	2 411	2 370
Food, drink, tobacco	3 907	4 005	4 083	3 991	4 427	4 574
Pulp, paper and print	2 497	2 563	2 612	2 710	2 739	2 848
Engineering & metal	2 984	3 083	3 143	3 163	3 356	3 348
Other industries	2 751	2 803	2 746	3 981	4 262	2 625
Transport	1 452	1 490	1 502	1 675	1 585	1 658
Services & households etc.	38 058	38 212	38 734	39 085	40 789	41 087
<i>among which:</i>						
Households	25 921	26 026	26 543	26 007	22 722	21 855

## 3.2 Electrical capacity, fuel inputs and heat

		BELGIQUE/BELGIË					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	15 546	15 609	15 634	16 094	16 258	16 360
<i>by source:</i>							
Conventional thermal		8 341	8 366	8 365	8 713	8 807	8 842
<i>of which:</i>							
Steam		4 084	4 049	3 670	3 484	3 485	3 465
Gas turbine		1 226	1 243	1 275	1 313	1 451	1 421
Combined cycle		2 676	2 676	3 005	3 364	3 322	3 419
Internal combustion		356	398	415	433	429	417
Nuclear		5 761	5 761	5 761	5 802	5 825	5 825
Hydro		1 413	1 415	1 415	1 412	1 414	1 417
<i>among which:</i>							
Pumped storage		1 310	1 310	1 307	1 307	1 307	1 307
Wind		31	67	93	167	212	276
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<i>by producer type:</i>							
Public system		15 137	15 201	15 231	15 602	15 762	15 807
Autoproducers		409	408	403	494	498	573
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	6 681	7 536	7 709	7 733	7 665	7 640
<i>among which:</i>							
Hard coal		2 263	2 191	2 071	1 889	1 618	1 360
Lignite and peat		-	-	-	-	-	-
Petroleum products		166	258	432	411	327	185
Natural gas		3 164	3 954	3 908	4 058	4 029	4 297
Renewables		386	540	601	745	975	923
Heating plants		19	34	37	27	29	2
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	3	3	-
Renewables		19	34	37	24	26	2
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	545	550	558	533	699	634
<i>among which: in heating plants</i>							
		17	5	3	6	7	4
Heat consumption		474	464	462	427	473	407
<i>of which: in industry</i>							
		412	404	402	372	399	332
<i>in households and services</i>							
		62	60	60	55	74	75
<i>among which: in households</i>							
		15	15	15	14	14	14

## 4.1 Crude oil and feedstocks

	BELGIQUE/BELGIË					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	36 637	39 257	38 184	35 561	35 165	36 607
Total exports	2 740	3 009	3 052	3 232	2 768	3 476
Stock changes	32	-29	4	152	-52	-147
Refinery intake	46 412	45 920	43 576	37 485	37 433	39 384
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	11 262	14 533	12 208	11 287	12 239	10 702
Near and Middle East	9 752	11 811	10 285	10 066	10 745	9 296
Africa	962	1 670	772	953	734	1 392
<i>by country of origin:</i>						
Algeria	631	249	208	-	-	14
Irak	687	933	160	240	132	450
Iran	2 505	4 689	4 620	4 513	4 934	4 117
Kazakhstan	-	163	-	-	-	-
Kuwait	2	-	331	70	51	-
Libya	-	-	36	67	-	189
Mexico	-	-	-	-	51	279
Nigeria	187	1 265	433	320	518	316
Norway	6 784	4 711	2 949	2 749	2 815	3 349
Russia	9 041	11 461	13 953	13 433	12 602	15 489
Saudi Arabia	6 337	6 144	5 373	5 267	5 649	4 703
Syria	162	-	-	46	30	-
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	BELGIQUE/BELGIË					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	46 005	45 489	43 233	37 046	36 386	38 196
<i>among which:</i>						
Motor spirit	5 775	5 865	5 789	5 056	5 357	5 041
Kerosene and jet fuel	2 145	2 110	2 221	1 743	1 786	1 783
Naphtha	2 051	2 460	2 318	1 624	1 229	1 607
Gas/diesel oil	12 464	13 013	12 327	11 938	12 660	12 836
Residual fuel oil	7 603	8 689	8 380	8 042	7 128	7 391
Total imports	15 843	16 708	19 683	22 716	21 150	19 214
Total exports	19 969	20 239	22 084	22 202	21 059	20 910
Bunkers	7 080	7 146	8 037	7 953	8 605	9 632
Stock changes	268	-256	48	-387	-212	860
Gross inland consumption	-10 931	-10 925	-10 384	-7 820	-8 726	-10 468
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	9 502	10 744	12 684	13 673	12 565	13 250
United Kingdom	1 327	1 064	640	886	962	1 411
Norway	116	100	131	126	175	243
OPEC	555	326	22	252	329	135
Imports by product						
<i>among which:</i>						
Motor spirit	1 218	1 123	1 080	1 625	1 190	934
Kerosene and jet fuel	721	1 110	1 292	1 187	884	671
Gas/diesel oil	6 314	6 657	8 300	9 693	8 165	7 312
Residual fuel oil	3 678	4 457	5 364	5 982	7 097	7 002
Exports by product						
<i>among which:</i>						
Motor spirit	4 935	4 859	4 991	4 814	5 148	4 625
Kerosene and jet fuel	1 551	1 636	1 974	1 617	1 434	1 438
Gas/diesel oil	7 643	7 419	8 193	8 919	7 932	8 703
Residual fuel oil	3 515	4 024	4 430	4 723	4 461	4 125
<b>Consumption</b>						
Inputs to electricity plants	173	270	452	428	341	192
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	5 843	5 538	5 830	6 467	5 974	6 162
Final energy consumption	15 153	17 455	16 397	16 271	15 286	14 285
Industry						
<i>among which by product:</i>						
Gas/diesel oil	406	304	292	283	233	215
Residual fuel oil	334	830	677	651	670	523

	BELGIQUE/BELGIË					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Industry</b>						
<i>among which by sector:</i>						
Iron&steel industry	50	32	31	36	19	28
Non-ferrous metals	37	46	28	36	36	31
Chemical industry	16	208	150	171	155	131
Non-met. mineral prod.	319	396	321	326	338	292
Food, drink, tobacco	163	178	178	148	102	88
Pulp, paper and print	60	45	43	43	28	31
Engineering & metal	27	26	24	26	24	20
Other industries	463	566	349	351	543	413
<b>Transport</b>	9 284	9 796	9 861	9 542	9 250	9 135
<i>among which:</i>						
Motor spirit	2 090	2 107	1 934	1 764	1 467	1 397
Jet fuel	1 224	1 503	1 387	1 247	1 151	992
Diesel oil	5 779	5 937	6 458	6 384	6 551	6 683
<b>Services &amp; households etc.</b>	4 703	6 153	5 402	5 586	4 789	4 113
<i>among which:</i>						
Gas oil	4 260	5 088	5 053	5 082	4 439	3 659
Residual fuel oil	180	829	116	318	203	303
<b>Stocks at end of period</b>						
Crude oil and feedstocks	768	797	793	641	693	840
Petroleum products	2 824	3 080	3 032	3 419	3 631	2 771



## 5. Natural gas

<i>in TJ (GCV)</i>	BELGIQUE/BELGIË					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	635 134	662 591	677 290	689 306	699 213	693 125
Total exports	-	-	-	-	-	-
Stock changes	-12 791	7 390	506	-3 624	-1 649	1 350
Gross inland consumption	622 343	669 981	677 796	685 682	697 564	694 475
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	132 041	126 371	113 551	128 211	118 639	15 343
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	6 388	-
Norway	207 287	215 374	251 582	211 617	214 725	230 194
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	16 946	87 502
Russia	-	-	15 322	33 776	28 194	31 528
<b>Consumption</b>						
Inputs to electricity plants	147 188	183 960	181 792	188 782	187 429	199 895
Inputs to heat plants	-	-	-	142	121	-
Consumption of energy branch	2 260	2 344	2 779	3 220	2 598	8 767
Distribution losses	-	-	-	-	-	-
Non-energy use	32 061	39 298	39 697	41 197	41 723	42 455
Industry	215 922	204 034	205 857	185 980	218 951	225 986
<i>among which:</i>						
Iron&steel industry	34 184	34 024	35 777	33 836	34 302	30 632
Non-ferrous metals	4 521	5 479	5 278	4 940	5 976	6 367
Chemical industry	78 861	81 914	81 061	88 201	92 840	96 453
Non-met. mineral prod.	18 021	25 528	28 534	17 233	19 568	18 935
Food, drink, tobacco	8 580	21 964	21 964	20 037	24 619	23 127
Pulp, paper and print	5 035	6 473	6 851	4 262	6 504	10 837
Engineering & metal	9 103	12 542	13 457	5 079	9 742	11 191
Other industries	55 037	8 366	5 191	7 873	17 052	16 603
Transport	-	-	-	-	569	-
Services & households etc.	235 870	245 027	257 396	256 560	246 221	223 752
<i>among which:</i>						
Households	160 795	167 411	175 154	173 340	160 808	152 530
Services	75 075	77 616	82 242	83 220	85 413	71 222

## 6.1 Hard coal

	BELGIQUE/BELGIË					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	9 905	9 390	9 790	8 804	8 056	7 415
Total exports	2 008	961	1 314	1 229	1 078	1 470
Stock changes	970	105	-234	-133	176	573
Gross inland consumption	9 040	8 663	8 423	7 551	7 183	6 518
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	2 577	2 339	2 623	2 950	2 137	2 320
Colombia	314	12	64	5	4	27
Russia	969	915	1 263	944	786	1 010
South Africa	2 798	3 607	3 094	2 081	2 260	1 641
USA	1 840	1 735	1 659	1 714	1 835	1 729
<b>Consumption</b>						
Inputs to electricity plants	3 772	3 618	2 974	3 045	2 609	2 192
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	1 156	948	942	841	754	722
<i>among which:</i>						
Iron&steel industry	824	712	642	597	516	450
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	1	-	6	6	5	31
Non-met. mineral prod.	215	111	168	116	134	108
Food, drink, tobacco	46	59	59	25	20	40
Pulp, paper and print	43	46	58	44	30	45
Engineering & metal	19	13	6	39	31	19
Other industries	8	7	3	14	18	29
Services & households etc.	309	234	256	188	184	168

## 6.2 Coal derivatives and peat

		BELGIQUE/BELGIË					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		2 966	2 861	2 965	2 856	2 895	2 607
Patent Fuel		11	11	10	7	5	4
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		22 266	21 094	22 393	21 868	21 259	21 034
Blast-furnace gas		36 670	36 381	38 298	33 776	34 998	30 630
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 964	2 151	2 044	1 827	1 785	1 592
<i>among which:</i>							
Iron & steel industry		1 909	2 092	1 980	1 743	1 686	1 534
Services & households		7	3	-	8	9	5
Patent Fuel		9	5	8	8	8	6
<i>among which:</i>							
Services & households		7	5	8	8	8	6
Lignite and peat		189	189	189	206	290	316
<i>among which:</i>							
Industry		189	189	189	206	290	316
Services & households		-	-	-	-	-	-
Brown coal briquettes		5	4	12	10	15	7
<i>among which:</i>							
Industry		-	-	8	-	5	-
Services & households		5	4	4	10	10	7
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		9 264	9 285	9 129	8 986	8 414	8 325
Blast-furnace gas		16 127	19 154	17 758	12 674	11 497	10 108
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		23 228	19 189	23 494	23 411	27 536	24 514
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		10 317	9 847	10 301	10 573	8 810	8 717
Consumption in industry		25 391	28 439	26 887	21 660	19 911	18 433

## 7. Renewable energy sources

		BELGIQUE/BELGIË					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	767	992	1 040	1 176	1 335	1 273
Hydro (excl. pumping)		31	21	27	25	31	33
Wind		5	8	11	20	31	42
Solar		2	2	3	3	3	5
Geothermal		2	2	2	2	2	3
Biomass		728	959	997	1 127	1 267	1 189
<i>among which:</i>							
Wood, wood-waste		355	440	471	528	570	649
Municipal solid waste		329	467	454	490	589	368
Biogas		45	52	72	93	80	81
Gross inland consumption		903	1 151	1 246	1 458	1 767	1 795
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	2
Biomass		404	574	638	769	1 001	923
<i>among which:</i>							
Wood, wood-waste		40	63	115	194	297	438
Municipal waste		329	467	454	490	589	368
Biogas		36	44	69	68	68	75
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	463	548	569	646	704	751
<i>by sector:</i>							
Industry		308	351	375	447	485	440
Services & households etc.		155	197	194	199	219	224
Transport		-	-	-	-	-	87
<i>by source:</i>							
Biomass		460	544	565	641	699	745
<i>among which:</i>							
Wood, wood-waste		450	536	560	616	676	645
Municipal waste		-	-	-	-	-	-
Biogas		10	8	5	25	11	4
Geothermal		2	2	2	2	2	1
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	1	1	2	6
Hydro with installed capacity < 1 MW		17	14	22	15	20	26
Hydro with installed capacity > 1 & <10 MW		181	133	163	151	189	200
Hydro with installed capacity > 10 MW		162	100	125	114	150	164
Wood, Wood-waste		271	377	513	960	1 406	1 818
Municipal waste		761	788	789	850	1 090	805
Biogas		137	174	233	304	279	289

		BELGIQUE/BELGIË					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		1	1	1	2	2	20
Hydro with installed capacity < 1 MW		7	6	8	8	8	8
Hydro with installed capacity > 1 & <10 MW		53	53	52	54	49	50
Hydro with installed capacity > 10 MW		51	51	55	55	50	52
Wood, Wood-waste		57	121	130	293	307	329
Municipal waste		134	133	132	139	196	177
Biogas		29	42	50	56	53	68
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	19	33	103
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	50	58	74	77	110	139



# 1. Energy economy

## Key figures and energy indicators

		BULGARIJA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	10 530	10 098	10 169	10 553	10 911	9 805
Net energy imports		8 936	9 306	9 241	9 518	9 540	10 594
Net oil imports		4 487	4 673	4 446	5 186	5 176	5 163
Net gas imports		2 498	2 356	2 389	2 458	2 609	2 753
Gross inland energy consumption		18 999	19 547	18 988	19 986	20 543	20 341
Final energy consumption		8 707	9 418	9 227	9 581	10 013	9 781
Industry		3 488	3 812	3 771	3 736	3 817	3 855
Transport		2 026	2 291	2 374	2 570	2 772	2 690
Services and households etc.		3 193	3 315	3 081	3 275	3 424	3 236
Gross electricity generation	GWh	42 679	42 600	41 621	44 365	45 843	43 297
Final electricity consumption		24 041	25 110	24 882	25 678	26 867	27 193
<b>Socio-economic statistics</b>							
Population	1000 per.	7 891	7 846	7 801	7 761	7 719	7 679
Total imports (current prices)	Mio EUR	9 965	11 377	13 620	16 716	21 031	24 705
among which:							
All energy commodities		:	:	:	:	:	4 301
Oil products		:	:	:	:	:	3 270
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	2 408	2 491	2 434	2 575	2 661	2 649
Final energy consumption / capita		1 103	1 200	1 183	1 235	1 297	1 274
Household consumption / capita		275	290	270	276	282	270
Final electricity consumption / capita	kWh/cap.	3 047	3 200	3 189	3 309	3 481	3 541
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	46.8	47.3	48.4	47.4	46.2	51.9
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	45.8	48.2	48.6	47.9	48.7	48.1
Efficiency of thermal power stations		41.1	41.5	42.1	41.7	42.1	43.0

## 2. Energy balance

### Principal aggregates by product

	BULGARIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	10 530	10 098	10 169	10 553	10 911	9 805
<i>among which:</i> Hard coal	38	21	-	4	13	13
Lignite and peat	4 390	4 625	4 524	4 174	4 295	4 758
Crude oil	37	30	31	30	28	26
Natural Gas	16	13	267	384	374	236
Nuclear heat	5 216	4 457	4 337	4 812	5 028	3 777
Hydro-electricity	189	260	272	373	364	247
Biomass	643	691	737	743	774	711
<b>Imports</b>						
Total	11 296	11 396	12 182	12 882	14 066	14 986
<i>among which:</i> Hard coal	2 419	2 455	2 856	2 490	2 339	2 902
Crude oil and feedstocks	5 335	5 323	5 821	6 423	7 267	7 255
Petroleum products	765	989	946	1 364	1 637	1 626
Natural Gas	2 498	2 356	2 389	2 458	2 609	2 753
Electricity	175	103	64	69	98	263
<b>Exports</b>						
Total	2 360	2 090	2 941	3 363	4 526	4 392
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 613	1 639	2 321	2 602	3 728	3 718
Natural gas	-	-	-	-	-	-
Electricity	717	441	569	721	764	648
<b>Gross inland consumption</b>						
Total	18 999	19 547	18 988	19 986	20 543	20 341
<i>among which:</i> Solid fuels	6 655	7 323	7 248	6 895	6 964	7 842
Crude oil and petrol. prod.	4 430	4 634	4 404	4 946	5 116	5 067
Natural gas	2 404	2 501	2 493	2 804	2 901	3 010
Nuclear Energy	5 216	4 457	4 337	4 812	5 028	3 777
Renewables	828	942	980	1 123	1 140	962
<b>Transformation input</b>						
Total	18 689	18 692	18 574	19 747	20 657	20 117
<i>among which:</i> Crude oil and feedstocks	5 459	5 438	5 969	6 683	7 418	7 379
Petroleum products	229	257	234	203	118	72
Hard coal	2 069	2 270	2 194	2 249	2 178	2 471
Lignite and peat	4 230	4 678	4 354	4 163	4 243	4 763
Renewables	-	-	-	4	1	0
<b>Transformation output</b>						
Total	11 165	11 501	11 816	12 523	13 330	12 910
<i>among which:</i> Electricity	3 437	3 379	3 290	3 408	3 546	3 441
Heat	1 175	1 287	1 212	1 277	1 238	1 246



		<b>BULGARIJA</b>					
		<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		8 707	9 418	9 227	9 581	10 013	9 781
<i>among which:</i>	Solid fuels	1 018	1 118	1 042	968	948	978
	Petroleum products	3 163	3 449	3 434	3 640	3 854	3 717
	Natural Gas	741	814	792	931	1 077	1 081
	Renewables	639	682	709	745	773	710
	Electricity	2 067	2 159	2 139	2 208	2 310	2 338
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		3 488	3 812	3 771	3 736	3 817	3 855
<i>among which:</i>	Solid fuels	687	750	774	703	659	744
	Petroleum Products	805	863	808	778	816	819
	Natural Gas	706	767	729	830	933	911
	Renewables	44	58	63	94	79	51
	Electricity	729	791	835	846	863	875
<b>Transport</b>							
Total		2 026	2 291	2 374	2 570	2 772	2 690
<i>among which:</i>	Motor spirit	642	617	589	573	636	627
	Diesel oil	865	1 101	1 244	1 404	1 467	1 386
	Jet fuel	150	182	172	200	204	223
	Electricity	39	37	36	36	34	32
<b>Services&amp;households</b>							
Total		3 193	3 315	3 081	3 275	3 424	3 236
<i>among which:</i>	Solid fuels	331	368	268	265	290	235
	Gas oil	329	284	242	245	254	232
	Natural Gas	35	48	57	82	119	133
	Renewables	595	623	646	651	689	657
	Electricity	1 299	1 331	1 268	1 326	1 413	1 431
	Heat	561	612	548	604	582	502

### 3.1 Electricity balance

	BULGARIJA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		42 679	42 600	41 621	44 365	45 843	43 297
<i>among which:</i>							
Hydro		2 704	3 301	3 363	4 730	4 579	3 234
Wind		-	-	1	5	20	47
Geothermal		-	-	-	-	-	-
Nuclear		20 222	17 280	16 815	18 653	19 493	14 643
Conventional thermal		19 753	22 019	21 442	20 977	21 751	25 373
<i>of which:</i>							
Hard coal		3 863	4 525	3 950	4 342	4 796	5 940
Lignite and peat		13 319	14 712	14 952	14 116	14 287	16 428
Petroleum products		830	789	822	606	379	568
Natural gas		1 539	1 762	1 494	1 729	2 159	2 336
Derived gases		191	225	205	167	123	95
Biomass		-	-	-	-	-	-
Industrial wastes		11	6	19	17	7	6
Total net generation		38 598	38 474	37 544	40 281	41 601	39 067
<b>Imports and exports</b>							
Total imports		2 040	1 194	741	799	1 139	3 058
Total exports		8 335	5 125	6 620	8 380	8 882	7 533
<b>Consumption and losses</b>							
Consumption of the energy branch		5 652	5 701	5 528	5 831	5 928	6 276
<i>of which:</i>							
Consumption for pumped-storage		205	209	92	151	128	186
Network losses		6 178	6 026	5 092	4 883	4 907	4 692
Final energy consumption		24 041	25 110	24 882	25 678	26 867	27 193
<i>of which:</i>							
Industry		8 479	9 197	9 713	9 838	10 034	10 179
<i>among which:</i>							
Iron&steel industry		1 644	1 959	1 868	1 740	1 944	1 791
Non-ferrous metals		608	753	820	816	833	849
Chemical industry		1 583	1 536	1 580	1 677	1 742	1 807
Non-met. mineral prod.		606	638	698	790	877	983
Food, drink, tobacco		854	869	1 117	1 240	1 068	1 057
Pulp, paper and print		392	464	651	490	393	320
Engineering & metal		929	903	862	927	889	943
Other industries		521	691	737	712	800	877
Transport		449	436	421	413	394	377
Services & households etc.		15 113	15 477	14 748	15 427	16 439	16 637
<i>among which:</i>							
Households		9 306	9 311	8 770	9 046	9 305	9 376

## 3.2 Electrical capacity, fuel inputs and heat

		BULGARIJA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	11 872	12 330	12 260	12 260	12 015	9 700
<b>by source:</b>							
Conventional thermal		6 878	6 759	6 689	6 682	6 418	4 902
<i>of which:</i>							
Steam		6 878	6 759	6 689	6 682	6 418	4 902
Gas turbine		-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-
Internal combustion		-	-	-	-	-	-
Nuclear		2 146	2 723	2 722	2 722	2 722	1 892
Hydro		2 848	2 848	2 848	2 848	2 848	2 876
<i>among which:</i>							
Pumped storage		864	864	864	864	864	864
Wind		-	-	1	8	27	30
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		10 513	11 657	11 708	11 997	11 802	9 508
Autoproducers		459	340	270	263	213	192
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	6 322	6 929	6 607	6 520	6 594	7 424
<i>among which:</i>							
Hard coal		1 288	1 440	1 392	1 530	1 608	1 869
Lignite and peat		3 781	4 183	3 969	3 701	3 722	4 214
Petroleum products		198	217	196	172	92	47
Natural gas		697	724	658	644	690	774
Renewables		-	-	-	-	-	-
Heating plants		279	312	276	371	346	229
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		0	-	-	-	-	-
Petroleum products		32	40	37	31	26	26
Natural gas		247	271	238	334	319	203
Renewables		-	-	-	4	1	0
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	1 175	1 287	1 212	1 277	1 238	1 246
among which: in heating plants		260	287	259	345	317	217
Heat consumption		860	914	866	939	899	815
<i>of which: in industry</i>		299	302	318	335	318	313
in households and services		561	612	548	604	582	502
<i>among which: in households</i>		440	475	424	438	420	377

## 4.1 Crude oil and feedstocks

	BULGARIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	37	30	30	30	28	26
Total imports	5 280	5 237	5 719	6 338	7 155	7 165
Total exports	-	-	-	-	-	-
Stock changes	-19	-32	-33	115	-15	-39
Refinery intake	5 402	5 351	5 865	6 594	7 303	7 287
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	68	70	-	-	-
Near and Middle East	77	68	70	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	91	662	505	523	677	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	5 047	3 689	4 714	5 406	6 318	4 600
Saudi Arabia	-	-	-	-	-	-
Syria	77	-	-	-	-	-
United Arab Emirates	-	68	70	-	-	-

## 4.2 Petroleum products

	BULGARIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	5 032	5 175	5 769	6 279	7 136	6 929
<i>among which:</i>						
Motor spirit	1 030	967	1 401	1 381	1 560	1 466
Kerosene and jet fuel	123	145	142	144	151	183
Naphtha	432	663	546	521	583	494
Gas/diesel oil	1 817	1 878	1 912	2 265	2 521	2 376
Residual fuel oil	1 203	718	958	1 217	1 512	1 550
Total imports	799	1 025	978	1 425	1 673	1 699
Total exports	1 608	1 623	2 302	2 581	3 700	3 706
Bunkers	105	137	115	110	106	52
Stock changes	36	105	83	-287	43	-45
Gross inland consumption	-878	-630	-1 356	-1 553	-2 086	-2 104
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	-	13	3	-	-	1
United Kingdom	-	-	-	-	-	-
Norway	1	-	6	1	12	-
OPEC	38	156	174	317	156	138
Imports by product						
<i>among which:</i>						
Motor spirit	26	63	72	140	263	222
Kerosene and jet fuel	52	50	50	52	41	40
Gas/diesel oil	114	183	180	362	582	541
Residual fuel oil	79	131	136	93	77	78
Exports by product						
<i>among which:</i>						
Motor spirit	447	443	907	933	1 187	1 078
Kerosene and jet fuel	32	20	25	6	-	-
Gas/diesel oil	522	512	467	665	1 085	1 189
Residual fuel oil	584	503	851	919	1 286	1 414
<b>Consumption</b>						
Inputs to electricity plants	206	229	206	187	95	45
Inputs to heating plants	33	42	39	32	27	27
Non-energy use	384	514	485	536	572	577
Final energy consumption	3 143	3 420	3 399	3 609	3 832	3 694
Industry						
<i>among which by product:</i>						
Gas/diesel oil	81	81	78	80	88	71
Residual fuel oil	409	243	225	205	209	186

	BULGARIJA						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
<b>Industry</b>							
<i>among which by sector:</i>							
Iron&steel industry		-	-	-	2	2	1
Non-ferrous metals		40	37	34	39	38	21
Chemical industry		275	348	317	244	212	249
Non-met. mineral prod.		280	285	275	332	405	409
Food, drink, tobacco		89	78	69	52	66	73
Pulp, paper and print		34	30	31	33	12	25
Engineering & metal		26	22	18	17	15	13
Other industries		68	76	68	80	99	71
<b>Transport</b>		1 908	2 168	2 248	2 428	2 610	2 524
<i>among which:</i>							
Motor spirit		611	587	560	545	605	597
Jet fuel		146	177	167	195	199	217
Diesel oil		850	1 082	1 223	1 380	1 442	1 362
<b>Services &amp; households etc.</b>		364	327	289	337	327	274
<i>among which:</i>							
Gas oil		323	279	238	241	250	228
Residual fuel oil		24	25	29	33	54	22
<b>Stocks at end of period</b>							
Crude oil and feedstocks		221	253	286	171	186	225
Petroleum products		616	511	428	715	672	717

## 5. Natural gas

<i>in TJ (GCV)</i>	BULGARIJA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	752	597	12 432	17 884	17 391	10 966
Total imports	116 222	109 593	111 129	114 340	121 355	128 088
Total exports	-	-	-	-	-	-
Stock changes	-5 132	6 136	-7 602	-1 778	-3 810	991
Gross inland consumption	111 842	116 326	115 959	130 446	134 936	140 045
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	116 222	109 593	111 129	114 340	121 355	128 088
<b>Consumption</b>						
Inputs to electricity plants	32 438	33 658	30 608	29 939	32 105	36 013
Inputs to heat plants	11 477	12 621	11 093	15 529	14 852	9 437
Consumption of energy branch	9 520	7 334	9 856	13 041	13 879	15 486
Distribution losses	3 292	3 764	3 704	2 343	1 817	2 071
Non-energy use	18 914	19 656	23 055	24 586	18 763	21 591
Industry	32 860	35 663	33 894	38 607	43 380	42 400
<i>among which:</i>						
Iron&steel industry	10 991	13 871	11 916	12 077	12 444	12 491
Non-ferrous metals	310	349	469	741	788	758
Chemical industry	7 333	6 283	5 627	8 723	10 554	7 811
Non-met. mineral prod.	7 203	5 862	6 534	7 095	8 713	9 787
Food, drink, tobacco	2 891	3 317	3 266	3 664	4 052	4 395
Pulp, paper and print	979	2 202	2 483	2 396	2 546	2 460
Engineering & metal	1 125	1 194	1 234	1 440	1 599	1 529
Other industries	505	560	519	467	460	884
Transport	-	-	270	888	1 175	1 720
Services & households etc.	1 631	2 221	2 658	3 832	5 554	6 167
<i>among which:</i>						
Households	59	144	268	655	1 138	1 524
Services	874	1 304	1 390	1 942	2 927	3 134

## 6.1 Hard coal

	BULGARIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	94	51	-	9	27	35
Total imports	3 854	3 930	4 678	4 088	3 902	4 842
Total exports	-	4	3	-	-	1
Stock changes	-347	187	-438	264	330	-140
Gross inland consumption	3 601	4 164	4 237	4 361	4 259	4 736
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	322	505	576	267	156	44
Colombia	-	-	-	-	-	-
Russia	905	1 287	1 119	1 160	1 468	1 039
South Africa	-	-	-	-	-	-
USA	232	670	466	356	532	656
<b>Consumption</b>						
Inputs to electricity plants	2 147	2 444	2 408	2 608	2 666	3 210
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	1	-	-	-	3	-
Industry						
<i>among which:</i>						
Iron&steel industry	30	38	7	40	26	14
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	29	44	125	111	115	119
Non-met. mineral prod.	174	246	255	204	142	265
Food, drink, tobacco	45	31	36	35	40	18
Pulp, paper and print	83	32	-	-	-	-
Engineering & metal	-	-	1	2	2	2
Other industries	5	1	55	62	66	121
Services & households etc.	45	172	187	235	264	264



## 6.2 Coal derivatives and peat

		BULGARIJA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		761	846	832	743	669	525
Patent Fuel		-	-	-	-	-	-
Lignite and peat		25 924	27 248	26 452	24 686	25 651	28 418
Brown coal briquettes		1 285	1 303	1 078	1 491	1 905	2 089
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		5 966	6 577	6 222	5 501	4 760	3 866
Blast-furnace gas		7 734	9 636	8 295	7 578	7 546	6 562
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		638	730	628	563	550	588
<i>among which:</i>							
Iron & steel industry		496	599	528	503	501	530
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		272	229	225	198	213	138
<i>among which:</i>							
Industry		62	32	68	71	49	54
Services & households		210	197	157	127	164	84
Brown coal briquettes		589	561	346	243	220	152
<i>among which:</i>							
Industry		8	7	6	5	5	2
Services & households		581	554	339	238	215	150
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		2 217	2 453	1 863	1 550	1 339	941
Blast-furnace gas		6 741	8 373	7 211	2 536	2 747	2 273
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		1 476	1 702	1 622	1 410	1 166	955
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		3 267	3 685	3 821	7 583	7 053	6 259
Consumption in industry		8 958	10 826	9 074	4 086	4 086	3 214

## 7. Renewable energy sources

		BULGARIJA					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	832	952	1 009	1 149	1 173	995
Hydro (excl. pumping)		189	260	272	373	364	247
Wind		-	-	0	0	2	4
Solar		-	-	-	-	-	-
Geothermal		-	-	-	33	33	33
Biomass		643	691	737	743	774	711
	<i>among which:</i>						
Wood, wood-waste		643	691	737	743	769	709
Municipal solid waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Gross inland consumption		828	942	980	1 123	1 140	962
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		-	-	-	4	1	0
	<i>among which:</i>						
Wood, wood-waste		-	-	-	4	1	0
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	639	682	709	745	773	710
	<i>by sector:</i>						
Industry		44	58	63	94	79	51
Services & households etc.		595	623	646	651	689	657
Transport		-	-	-	-	5	2
	<i>by source:</i>						
Biomass		639	682	709	713	740	678
	<i>among which:</i>						
Wood, wood-waste		639	682	709	713	735	675
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		-	-	-	33	33	33
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		36	50	53	72	70	74
Hydro with installed capacity > 1 & <10 MW		317	438	458	627	618	432
Hydro with installed capacity > 10 MW		1 840	2 541	2 657	3 638	3 550	2 367
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-

		BULGARIJA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		25	25	25	25	25	31
Hydro with installed capacity > 1 & <10 MW		200	200	200	200	200	159
Hydro with installed capacity > 10 MW		1 759	1 759	1 759	1 759	1 759	1 822
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	0	9	4
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	-



## 1. Energy economy Key figures and energy indicators

		ČESKÁ REPUBLIKA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	30 396	34 073	32 781	32 434	33 216	33 348
Net energy imports		11 358	11 397	11 742	12 887	12 921	11 592
Net oil imports		8 025	8 459	9 061	9 813	9 703	9 658
Net gas imports		7 917	7 698	7 094	7 535	7 913	6 710
Gross inland energy consumption		42 020	45 613	45 883	45 311	46 373	46 241
Final energy consumption		23 607	25 624	26 117	25 883	26 318	25 763
Industry		9 493	9 539	9 883	9 624	9 460	9 548
Transport		4 831	5 473	5 791	6 168	6 314	6 631
Services and households etc.		9 283	10 613	10 443	10 091	10 544	9 584
Gross electricity generation	GWh	76 348	83 227	84 333	82 578	84 361	88 198
Final electricity consumption		50 789	52 376	53 801	55 246	56 967	57 197
<b>Socio-economic statistics</b>							
Population	1000 per.	10 206	10 203	10 212	10 221	10 251	10 287
Total imports (current prices)	Mio EUR	49 847	51 842	61 855	69 167	82 944	95 537
among which:							
All energy commodities		:	:	2 186	4 099	5 299	6 706
Oil products		:	:	1 888	3 715	4 418	4 336
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	4 117	4 470	4 493	4 433	4 524	4 495
Final energy consumption / capita		2 313	2 511	2 558	2 532	2 567	2 504
Household consumption / capita		523	622	612	606	635	575
Final electricity consumption / capita	kWh/cap.	4 976	5 133	5 269	5 405	5 557	5 560
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	27.0	25.0	25.6	28.4	27.9	25.1
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	56.2	56.2	56.9	57.1	56.8	55.7
Efficiency of thermal power stations		45.7	47.7	47.1	46.0	45.6	44.9

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	ČESKÁ REPUBLIKA					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	30 396	34 073	32 781	32 434	33 216	33 348
<i>among which:</i> Hard coal	9 084	9 766	8 519	8 410	8 507	8 501
Lignite and peat	15 171	15 596	15 043	15 160	15 354	15 303
Crude oil	268	321	310	317	269	249
Natural Gas	115	131	162	154	147	140
Nuclear heat	4 834	6 674	6 791	6 379	6 719	6 751
Hydro-electricity	214	119	174	205	219	180
Biomass	637	1 394	1 743	1 803	1 973	2 210
<b>Imports</b>						
Total	19 562	19 900	19 864	21 135	21 993	20 937
<i>among which:</i> Hard coal	800	836	984	758	1 322	1 559
Crude oil and feedstocks	6 254	6 530	6 586	7 916	7 980	7 379
Petroleum products	3 175	3 189	3 441	3 166	2 917	3 309
Natural Gas	7 918	7 740	7 166	7 604	8 016	7 037
Electricity	817	867	841	1 062	986	877
<b>Exports</b>						
Total	8 204	8 503	8 122	8 247	9 072	9 345
<i>among which:</i> Crude oil and feedstocks	141	135	65	59	43	17
Petroleum products	1 262	1 125	901	1 210	1 152	1 012
Natural gas	1	41	72	69	102	327
Electricity	1 796	2 261	2 192	2 148	2 072	2 266
<b>Gross inland consumption</b>						
Total	42 020	45 613	45 883	45 311	46 373	46 241
<i>among which:</i> Solid fuels	20 775	22 006	21 067	20 295	21 037	21 375
Crude oil and petrol. prod.	8 648	8 905	9 712	10 068	10 041	10 037
Natural gas	7 762	7 842	7 788	7 703	7 576	7 161
Nuclear Energy	4 834	6 674	6 791	6 379	6 719	6 751
Renewables	851	1 514	1 781	1 824	1 972	2 182
<b>Transformation input</b>						
Total	32 576	34 649	35 218	35 560	35 987	36 165
<i>among which:</i> Crude oil and feedstocks	6 493	6 831	7 132	8 278	8 350	7 904
Petroleum products	302	292	250	237	172	122
Hard coal	5 299	5 306	5 256	4 740	4 941	5 242
Lignite and peat	12 647	12 568	12 559	12 991	12 846	13 325
Renewables	282	294	368	273	296	354
<b>Transformation output</b>						
Total	20 438	21 662	21 917	22 539	22 727	22 246
<i>among which:</i> Electricity	6 320	7 002	7 030	6 838	6 969	7 356
Heat	3 402	3 518	3 449	3 326	3 136	2 899

		ČESKÁ REPUBLIKA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		23 607	25 624	26 117	25 883	26 318	25 763
<i>among which:</i>	Solid fuels	3 791	4 125	4 102	3 674	4 025	3 394
	Petroleum products	5 850	6 424	6 799	6 940	6 895	7 240
	Natural Gas	6 165	6 294	6 186	6 155	6 167	5 867
	Renewables	353	1 098	1 238	1 344	1 452	1 633
	Electricity	4 367	4 504	4 626	4 750	4 898	4 918
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		9 493	9 539	9 883	9 624	9 460	9 548
<i>among which:</i>	Solid fuels	2 987	3 117	3 071	3 040	2 998	2 770
	Petroleum Products	663	616	800	563	391	473
	Natural Gas	2 581	2 522	2 483	2 418	2 375	2 508
	Renewables	301	210	258	384	398	405
	Electricity	1 768	1 767	1 922	1 990	2 030	2 079
<b>Transport</b>							
Total		4 831	5 473	5 791	6 168	6 314	6 631
<i>among which:</i>	Motor spirit	2 027	2 210	2 202	2 162	2 114	2 208
	Diesel oil	2 344	2 738	2 956	3 386	3 552	3 721
	Jet fuel	200	258	331	344	348	378
	Electricity	182	188	186	184	185	193
<b>Services&amp;households</b>							
Total		9 283	10 613	10 443	10 091	10 544	9 584
<i>among which:</i>	Solid fuels	804	1 008	1 031	630	1 023	620
	Gas oil	356	338	354	347	343	341
	Natural Gas	3 577	3 764	3 692	3 727	3 780	3 346
	Renewables	51	888	949	958	1 035	1 198
	Electricity	2 417	2 549	2 517	2 577	2 683	2 646
	Heat	1 888	1 869	1 814	1 786	1 609	1 387

### 3.1 Electricity balance

	ČESKÁ REPUBLIKA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		76 348	83 227	84 333	82 578	84 361	88 198
<i>among which:</i>							
Hydro		2 845	1 794	2 562	3 027	3 257	2 523
Wind		2	4	10	21	49	125
Geothermal		-	-	-	-	-	-
Nuclear		18 738	25 872	26 325	24 728	26 046	26 172
Conventional thermal		54 763	55 557	55 436	54 802	55 008	59 376
<i>of which:</i>							
Hard coal		5 441	5 645	5 952	5 562	6 030	7 235
Lignite and peat		44 288	45 136	44 355	43 960	43 619	46 560
Petroleum products		384	368	348	326	258	115
Natural gas		3 207	3 243	3 184	3 369	3 288	3 175
Derived gases		754	668	876	846	885	1 088
Biomass		498	497	721	739	926	1 203
Industrial wastes		191	-	-	-	2	-
Total net generation		70 393	76 659	77 919	76 192	77 883	81 410
<b>Imports and exports</b>							
Total imports		9 502	10 086	9 776	12 351	11 466	10 204
Total exports		20 889	26 299	25 493	24 985	24 097	26 357
<b>Consumption and losses</b>							
Consumption of the energy branch		8 961	9 140	9 188	9 024	9 171	9 499
<i>of which:</i>							
Consumption for pumped-storage		126	141	187	220	239	158
Network losses		4 858	5 087	5 084	5 027	4 885	4 915
Final energy consumption		50 789	52 376	53 801	55 246	56 967	57 197
<i>of which:</i>							
Industry		20 558	20 550	22 358	23 145	23 613	24 173
<i>among which:</i>							
Iron&steel industry		3 751	3 530	3 560	3 439	3 389	3 138
Non-ferrous metals		104	280	291	329	336	306
Chemical industry		3 211	3 641	3 771	3 881	3 881	3 879
Non-met. mineral prod.		2 162	2 381	2 432	2 537	2 489	2 701
Food, drink, tobacco		1 534	1 557	1 594	1 590	1 603	1 572
Pulp, paper and print		1 877	1 239	1 766	1 888	1 904	1 917
Engineering & metal		3 783	3 873	4 645	4 983	5 355	5 816
Other industries		2 660	2 714	2 975	3 142	3 446	3 661
Transport		2 119	2 182	2 168	2 136	2 154	2 249
Services & households etc.		28 112	29 644	29 275	29 965	31 200	30 775
<i>among which:</i>							
Households		14 121	14 508	14 525	14 719	15 198	14 646



### 3.2 Electrical capacity, fuel inputs and heat

		ČESKÁ REPUBLIKA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	16 310	17 343	17 434	17 412	17 507	17 558
<b>by source:</b>							
Conventional thermal		11 399	11 423	11 498	11 456	11 528	11 508
<i>of which:</i>							
Steam		10 781	10 679	10 748	10 693	10 731	10 694
Gas turbine		-	-	-	-	-	-
Combined cycle		594	726	734	734	739	755
Internal combustion		24	18	16	29	58	59
Nuclear		2 760	3 760	3 760	3 760	3 760	3 760
Hydro		2 145	2 149	2 160	2 167	2 175	2 176
<i>among which:</i>							
Pumped storage		1 145	1 145	1 145	1 147	1 147	1 147
Wind		6	11	16	29	44	114
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		14 042	15 170	15 197	15 122	15 155	15 216
Autoproducers		2 268	2 173	2 237	2 290	2 353	2 346
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	15 841	15 622	15 701	15 729	15 592	16 428
<i>among which:</i>							
Hard coal		2 055	2 062	2 011	1 717	1 841	2 362
Lignite and peat		11 874	11 756	11 774	12 285	12 126	12 592
Petroleum products		212	206	163	152	102	64
Natural gas		695	704	748	675	586	423
Renewables		249	238	315	223	248	300
Heating plants		1 001	993	1 017	922	880	713
<i>among which:</i>							
Hard coal		84	77	58	34	83	6
Lignite and peat		186	182	167	114	102	78
Petroleum products		90	86	87	85	70	58
Natural gas		581	563	645	625	570	511
Renewables		34	56	53	50	48	53
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	3 402	3 518	3 449	3 326	3 136	2 899
<i>among which: in heating plants</i>							
		866	840	796	769	730	611
Heat consumption		2 642	2 653	2 614	2 478	2 314	2 096
<i>of which: in industry</i>							
		754	784	801	692	704	709
<i>in households and services</i>							
		1 888	1 869	1 814	1 786	1 609	1 387
<i>among which: in households</i>							
		1 282	1 265	1 188	1 168	1 113	924

## 4.1 Crude oil and feedstocks

	ČESKÁ REPUBLIKA						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		265	317	306	313	265	246
Total imports		6 189	6 454	6 504	7 825	7 870	7 276
Total exports		140	133	64	58	42	17
Stock changes		-46	-41	7	-253	-132	-16
Refinery intake		6 425	6 751	7 042	8 182	8 235	7 794
<b>Imports of Crude Oil by origin</b>							
<i>by region of origin:</i>							
OPEC		365	289	387	396	211	258
Near and Middle East		629	624	261	40	5	-
Africa		365	289	387	396	211	258
<i>by country of origin:</i>							
Algeria		89	33	199	134	50	192
Irak		-	-	-	-	-	-
Iran		-	-	-	-	-	-
Kazakhstan		12	129	282	285	391	316
Kuwait		-	-	-	-	-	-
Libya		276	218	188	262	161	66
Mexico		-	-	-	-	-	-
Nigeria		-	38	-	-	-	-
Norway		199	-	-	-	-	-
Russia		3 938	4 334	4 457	5 501	5 225	4 641
Saudi Arabia		-	-	-	-	-	-
Syria		629	624	261	40	5	-
United Arab Emirates		-	-	-	-	-	-

## 4.2 Petroleum products

	ČESKÁ REPUBLIKA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	6 376	6 710	6 999	8 132	8 179	7 753
<i>among which:</i>						
Motor spirit	1 248	1 324	1 289	1 467	1 594	1 555
Kerosene and jet fuel	160	140	147	132	121	145
Naphtha	409	479	561	706	708	627
Gas/diesel oil	2 412	2 590	2 673	3 067	3 128	2 902
Residual fuel oil	376	445	394	581	381	417
Total imports	3 102	3 116	3 364	3 092	2 865	3 248
Total exports	1 243	1 111	890	1 203	1 134	1 002
Bunkers	-	-	-	-	-	-
Stock changes	156	-69	19	-87	-17	-63
Gross inland consumption	2 095	2 014	2 529	1 805	1 746	2 201
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	4	7	10	8	10	9
United Kingdom	2	2	4	3	5	22
Norway	9	5	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	989	986	942	804	623	697
Kerosene and jet fuel	50	104	192	208	233	249
Gas/diesel oil	1 255	1 280	1 260	1 311	1 262	1 588
Residual fuel oil	212	140	205	100	144	118
Exports by product						
<i>among which:</i>						
Motor spirit	274	184	184	162	293	194
Kerosene and jet fuel	-	-	-	-	-	2
Gas/diesel oil	693	640	365	524	360	299
Residual fuel oil	67	80	48	131	89	146
<b>Consumption</b>						
Inputs to electricity plants	222	216	170	159	106	67
Inputs to heating plants	94	90	91	89	73	61
Non-energy use	1 917	1 924	2 501	2 628	2 705	2 382
Final energy consumption	5 705	6 264	6 639	6 765	6 715	7 059
Industry						
<i>among which by product:</i>						
Gas/diesel oil	231	94	105	110	100	83
Residual fuel oil	294	283	466	404	227	250

	ČESKÁ REPUBLIKA						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		102	98	132	103	46	53
Non-ferrous metals		1	-	-	-	-	-
Chemical industry		14	28	166	150	55	48
Non-met. mineral prod.		65	54	59	55	40	49
Food, drink, tobacco		82	80	67	54	43	24
Pulp, paper and print		49	9	13	25	21	17
Engineering & metal		38	41	20	19	16	16
Other industries		294	305	336	154	164	268
Transport		4 492	5 110	5 390	5 790	5 914	6 203
<i>among which:</i>							
Motor spirit		1 929	2 103	2 095	2 057	2 012	2 101
Jet fuel		195	251	322	335	339	368
Diesel oil		2 304	2 691	2 905	3 328	3 491	3 657
Services & households etc.		536	524	424	398	400	367
<i>among which:</i>							
Gas oil		350	332	348	341	337	335
Residual fuel oil		110	124	9	11	16	-
<b>Stocks at end of period</b>							
Crude oil and feedstocks		679	726	719	972	1 104	1 120
Petroleum products		1 378	1 447	1 428	1 515	1 533	1 598

## 5. Natural gas

<i>in TJ (GCV)</i>	ČESKÁ REPUBLIKA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	5 338	6 098	7 555	7 170	6 853	6 524
Total imports	368 354	360 045	333 350	353 726	372 903	327 343
Total exports	38	1 928	3 329	3 220	4 767	15 196
Stock changes	-12 564	604	24 717	688	-22 556	14 464
Gross inland consumption	361 090	364 819	362 293	358 364	352 433	333 135
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	99 335	94 651	88 168	84 661	95 851	68 335
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	268 981	265 394	246 182	269 065	275 720	259 008
<b>Consumption</b>						
Inputs to electricity plants	32 333	32 736	34 813	31 402	27 241	19 668
Inputs to heat plants	27 007	26 206	29 992	29 053	26 508	23 789
Consumption of energy branch	6 192	5 563	6 076	7 223	7 057	6 929
Distribution losses	8 770	7 522	3 630	4 370	4 729	4 020
Non-energy use	-	-	-	-	-	-
Industry	120 085	117 342	115 521	112 496	110 495	116 661
<i>among which:</i>						
Iron&steel industry	12 701	12 285	13 652	12 903	13 204	13 210
Non-ferrous metals	2 450	2 555	2 610	2 739	2 660	2 714
Chemical industry	9 520	10 170	11 103	13 074	12 007	12 860
Non-met. mineral prod.	28 050	29 820	29 792	28 949	29 237	29 442
Food, drink, tobacco	16 104	18 520	17 448	17 139	16 554	17 180
Pulp, paper and print	3 820	3 402	2 583	4 542	4 159	4 220
Engineering & metal	11 270	12 440	13 818	18 702	18 621	19 535
Other industries	32 220	23 395	19 207	9 659	9 872	13 424
Transport	304	340	492	418	562	580
Services & households etc.	166 399	175 110	171 769	173 402	175 841	155 674
<i>among which:</i>						
Households	103 720	111 740	109 372	107 487	105 855	94 718
Services	59 367	60 195	59 284	62 759	66 966	57 890

## 6.1 Hard coal

	ČESKÁ REPUBLIKA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	14 467	13 645	13 303	13 254	13 385	12 894
Total imports	1 237	1 296	1 620	1 263	1 997	2 553
Total exports	5 693	5 669	5 578	5 261	6 517	6 808
Stock changes	170	42	-1 761	-94	1 016	1 121
Gross inland consumption	10 181	9 314	9 860	9 162	9 881	9 760
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	39	62	104	32	50	90
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	40
<b>Consumption</b>						
Inputs to electricity plants	3 739	3 651	3 635	3 210	3 434	4 338
Inputs to heat plants	153	136	105	63	155	11
Consumption of energy branch	4	2	2	3	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	729	333	694	831	819	758
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	123	56	211	202	162	181
Non-met. mineral prod.	260	163	202	214	238	252
Food, drink, tobacco	40	27	28	20	7	17
Pulp, paper and print	12	9	28	21	19	17
Engineering & metal	172	126	6	6	9	-
Other industries	4	-	2	2	3	3
Services & households etc.	325	223	216	215	153	118

## 6.2 Coal derivatives and peat

		ČESKÁ REPUBLIKA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		3 537	3 556	3 548	3 412	3 444	3 258
Patent Fuel		-	-	-	-	-	-
Lignite and peat		48 889	50 261	48 497	48 772	49 518	49 732
Brown coal briquettes		302	314	317	301	345	247
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		25 903	25 235	24 997	24 502	24 842	23 700
Blast-furnace gas		25 891	28 240	29 425	25 236	30 305	31 752
Gasworks gas		13 719	14 555	14 007	14 765	15 022	14 473
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		2 165	2 211	2 138	1 944	2 030	1 969
<i>among which:</i>							
Iron & steel industry		1 933	2 012	1 940	1 864	1 907	1 857
Services & households		154	135	128	34	66	56
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		4 220	6 614	5 505	4 644	5 453	3 397
<i>among which:</i>							
Industry		2 722	4 257	3 179	3 323	3 289	2 138
Services & households		1 498	2 357	2 326	1 307	2 152	1 250
Brown coal briquettes		107	110	145	133	138	115
<i>among which:</i>							
Industry		-	-	3	3	5	4
Services & households		107	110	142	130	133	111
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		7 502	8 390	8 170	7 684	7 821	6 925
Blast-furnace gas		11 085	11 825	11 881	10 922	12 136	14 446
Gasworks gas		110	104	39	-	-	-
Inputs to electricity plants		25 585	26 451	28 383	27 926	29 735	29 581
Inputs to heat plants		1 038	997	-	-	7	-
Consumption of energy branch		18 487	18 538	18 502	17 446	17 824	18 392
Consumption in industry		18 697	20 319	20 090	18 606	19 957	21 371

## 7. Renewable energy sources

		ČESKÁ REPUBLIKA					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	851	1 514	1 919	2 012	2 200	2 404
Hydro (excl. pumping)		214	119	174	205	219	180
Wind		0	0	1	2	4	11
Solar		-	-	2	2	3	4
Geothermal		-	-	-	-	-	-
Biomass		637	1 394	1 743	1 803	1 973	2 210
	<i>among which:</i>						
Wood, wood-waste		493	1 253	1 513	1 537	1 716	1 948
Municipal solid waste		108	100	106	97	95	96
Biogas		36	41	50	56	63	76
Gross inland consumption		851	1 514	1 781	1 824	1 972	2 182
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		282	294	368	273	296	354
	<i>among which:</i>						
Wood, wood-waste		188	196	254	161	182	229
Municipal waste		63	78	86	76	75	74
Biogas		31	20	27	35	39	50
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	353	1 098	1 238	1 344	1 452	1 633
	<i>by sector:</i>						
Industry		301	210	258	384	398	405
Services & households etc.		51	888	949	958	1 035	1 198
Transport		0	0	31	3	19	30
	<i>by source:</i>						
Biomass		353	1 098	1 236	1 342	1 449	1 629
	<i>among which:</i>						
Wood, wood-waste		305	1 054	1 163	1 297	1 385	1 552
Municipal waste		45	22	19	21	20	22
Biogas		2	21	23	21	24	26
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	1	2
Hydro with installed capacity < 1 MW		254	242	286	343	333	521
Hydro with installed capacity > 1 & <10 MW		495	418	617	728	631	492
Hydro with installed capacity > 10 MW		1 743	723	1 116	1 309	1 586	1 078
Wood, Wood-waste		367	373	565	560	731	968
Municipal waste		4	16	17	18	19	20
Biogas		127	108	139	161	176	215



		ČESKÁ REPUBLIKA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	1	4
Hydro with installed capacity < 1 MW		104	107	107	123	106	124
Hydro with installed capacity > 1 & <10 MW		134	144	144	154	169	152
Hydro with installed capacity > 10 MW		762	753	753	743	753	753
Wood, Wood-waste		-	709	709	1 182	1 558	1 700
Municipal waste		-	3	3	3	3	3
Biogas		-	25	25	36	43	50
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	83	127	112	109
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	85	105	130



## 1. Energy economy Key figures and energy indicators

		DANMARK					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	28 505	28 403	31 018	31 220	29 500	26 987
Net energy imports		-8 610	-6 850	-9 947	-10 408	-8 059	-5 486
Net oil imports		-9 256	-9 251	-10 654	-9 385	-8 227	-6 391
Net gas imports		-2 984	-2 594	-3 691	-5 010	-4 688	-4 049
Gross inland energy consumption		19 785	20 791	20 173	19 673	20 924	20 516
Final energy consumption		14 743	15 076	15 309	15 432	15 620	15 711
Industry		2 852	2 863	2 898	2 865	2 933	2 914
Transport		4 733	4 916	5 153	5 264	5 336	5 562
Services and households etc.		7 158	7 297	7 259	7 304	7 351	7 235
Gross electricity generation	GWh	39 283	46 181	40 431	36 241	45 612	39 154
Final electricity consumption		32 515	32 370	32 971	33 464	33 946	33 710
<b>Socio-economic statistics</b>							
Population	1000 per.	5 368	5 384	5 398	5 411	5 428	5 447
Total imports (current prices)	Mio EUR	76 467	73 690	79 782	91 415	106 853	113 631
among which:							
All energy commodities		2 193	2 290	2 654	3 552	3 828	3 632
Oil products		1 733	1 730	2 052	2 784	3 094	2 904
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 685	3 862	3 737	3 636	3 855	3 766
Final energy consumption / capita		2 746	2 800	2 836	2 852	2 878	2 884
Household consumption / capita		801	817	815	821	818	819
Final electricity consumption / capita	kWh/cap.	6 057	6 013	6 108	6 184	6 254	6 189
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	-41.6	-31.5	-47.4	-50.8	-36.7	-25.4
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	74.5	72.5	75.9	78.4	74.7	76.6
Efficiency of thermal power stations		65.9	64.8	68.3	71.2	64.9	65.7

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	DANMARK					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	28 505	28 403	31 018	31 220	29 500	26 987
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	18 551	18 563	19 692	18 935	17 231	15 526
Natural Gas	7 603	7 203	8 492	9 383	9 323	8 268
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	3	2	2	2	2	2
Biomass	1 917	2 144	2 253	2 318	2 396	2 549
<b>Imports</b>						
Total	13 398	14 896	14 328	13 851	14 431	14 019
<i>among which:</i> Hard coal	3 775	5 635	4 487	3 572	5 165	4 755
Crude oil and feedstocks	3 508	3 640	3 942	2 846	2 780	2 102
Petroleum products	5 176	4 792	4 843	5 903	5 463	5 784
Natural Gas	-	-	-	-	-	-
Electricity	769	604	746	1 113	582	897
<b>Exports</b>						
Total	22 008	21 746	24 275	24 260	22 490	19 505
<i>among which:</i> Crude oil and feedstocks	14 123	13 713	15 385	14 060	11 932	9 738
Petroleum products	3 817	3 970	4 054	4 074	4 538	4 540
Natural gas	2 984	2 594	3 691	5 010	4 688	4 049
Electricity	947	1 339	993	995	1 178	978
<b>Gross inland consumption</b>						
Total	19 785	20 791	20 173	19 673	20 924	20 516
<i>among which:</i> Solid fuels	4 187	5 665	4 361	3 751	5 476	4 651
Crude oil and petrol. prod.	8 689	8 398	8 367	8 175	8 235	8 322
Natural gas	4 627	4 661	4 634	4 399	4 537	4 062
Nuclear Energy	-	-	-	-	-	-
Renewables	2 456	2 798	3 054	3 227	3 269	3 559
<b>Transformation input</b>						
Total	16 949	18 318	16 741	15 490	17 705	16 140
<i>among which:</i> Crude oil and feedstocks	8 099	8 441	8 226	7 841	8 095	7 870
Petroleum products	1 212	546	427	378	419	341
Hard coal	3 976	5 496	4 122	3 445	5 297	4 470
Lignite and peat	-	-	-	-	-	-
Renewables	1 312	1 512	1 644	1 712	1 702	1 715
<b>Transformation output</b>						
Total	14 077	14 964	14 156	13 297	14 491	13 457
<i>among which:</i> Electricity	2 956	3 491	2 908	2 546	3 395	2 747
Heat	3 040	3 115	3 101	3 066	3 048	2 896

		DANMARK					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		14 743	15 076	15 309	15 432	15 620	15 711
<i>among which:</i>	Solid fuels	220	231	261	253	264	261
	Petroleum products	6 938	7 041	7 212	7 230	7 290	7 387
	Natural Gas	1 647	1 728	1 688	1 695	1 690	1 663
	Renewables	722	805	837	942	1 038	1 198
	Electricity	2 796	2 783	2 835	2 877	2 919	2 899
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		2 852	2 863	2 898	2 865	2 933	2 914
<i>among which:</i>	Solid fuels	199	203	228	214	219	215
	Petroleum Products	787	785	808	769	825	804
	Natural Gas	747	749	715	715	715	747
	Renewables	93	111	115	119	120	125
	Electricity	853	836	863	889	892	878
<b>Transport</b>							
Total		4 733	4 916	5 153	5 264	5 336	5 562
<i>among which:</i>	Motor spirit	2 011	2 017	1 993	1 933	1 898	1 881
	Diesel oil	1 888	2 053	2 192	2 312	2 442	2 647
	Jet fuel	739	761	886	943	917	959
	Electricity	31	30	32	32	32	31
<b>Services&amp;households</b>							
Total		7 158	7 297	7 259	7 304	7 351	7 235
<i>among which:</i>	Solid fuels	20	27	33	40	45	46
	Gas oil	1 347	1 281	1 202	1 140	1 072	979
	Natural Gas	900	979	973	979	975	916
	Renewables	629	694	722	823	914	1 067
	Electricity	1 911	1 917	1 940	1 956	1 994	1 990
	Heat	2 235	2 297	2 294	2 263	2 246	2 149

### 3.1 Electricity balance

	DANMARK						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		39 283	46 181	40 431	36 241	45 612	39 154
<i>among which:</i>							
Hydro		32	21	26	22	23	28
Wind		4 877	5 561	6 583	6 614	6 108	7 173
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		34 373	40 597	33 820	29 603	39 479	31 951
<i>of which:</i>							
Hard coal		18 257	25 307	18 673	15 463	24 567	19 898
Lignite and peat		-	-	-	-	-	-
Petroleum products		3 822	2 135	1 439	1 221	1 450	1 106
Natural gas		9 590	9 764	9 941	8 780	9 418	6 912
Derived gases		-	-	-	-	-	-
Biomass		2 502	3 162	3 562	3 989	3 923	3 860
Industrial wastes		202	229	205	150	121	175
Total net generation		37 330	43 747	38 395	34 406	43 184	37 283
<b>Imports and exports</b>							
Total imports		8 939	7 023	8 673	12 943	6 767	10 427
Total exports		11 010	15 568	11 545	11 574	13 702	11 377
<b>Consumption and losses</b>							
Consumption of the energy branch		2 606	3 217	2 784	2 622	3 275	2 719
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		2 091	2 049	1 810	1 527	1 455	1 778
Final energy consumption		32 515	32 370	32 971	33 464	33 946	33 710
<i>of which:</i>							
Industry		9 924	9 728	10 042	10 335	10 379	10 210
<i>among which:</i>							
Iron&steel industry		473	315	326	383	384	376
Non-ferrous metals		65	80	83	85	85	83
Chemical industry		1 356	1 238	1 231	1 348	1 352	1 325
Non-met. mineral prod.		879	864	901	943	946	927
Food, drink, tobacco		2 320	2 270	2 348	2 490	2 491	2 442
Pulp, paper and print		771	841	872	745	747	732
Engineering & metal		1 803	1 768	1 835	1 879	1 884	1 847
Other industries		1 951	2 057	2 139	2 203	2 231	2 223
Transport		364	353	370	375	376	356
Services & households etc.		22 227	22 289	22 559	22 754	23 191	23 144
<i>among which:</i>							
Households		10 183	10 122	10 330	10 400	10 656	10 901

### 3.2 Electrical capacity, fuel inputs and heat

		DANMARK					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	13 332	13 590	13 340	13 345	13 012	12 608
<b>by source:</b>							
Conventional thermal		10 429	10 462	10 204	10 205	9 868	9 475
<i>of which:</i>							
Steam		7 737	7 743	7 416	7 476	7 194	6 961
Gas turbine		544	545	569	586	542	542
Combined cycle		1 100	1 101	1 101	1 063	1 071	1 076
Internal combustion		1 048	1 073	1 118	1 080	1 061	896
Nuclear		-	-	-	-	-	-
Hydro		11	11	11	11	9	9
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		2 892	3 117	3 125	3 129	3 135	3 124
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		12 772	13 020	12 736	12 710	12 392	12 051
Autoproducers		562	572	606	638	623	560
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	8 302	9 289	7 954	7 125	9 083	7 720
<i>among which:</i>							
Hard coal		3 975	5 495	4 122	3 444	5 295	4 468
Lignite and peat		-	-	-	-	-	-
Petroleum products		1 155	492	387	344	393	312
Natural gas		2 270	2 228	2 234	1 996	2 066	1 591
Renewables		902	1 074	1 212	1 341	1 329	1 349
Heating plants		533	573	546	512	515	539
<i>among which:</i>							
Hard coal		1	1	1	1	2	2
Lignite and peat		-	-	-	-	-	-
Petroleum products		57	55	40	35	27	29
Natural gas		66	80	74	104	113	142
Renewables		410	438	432	371	373	366
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	3 040	3 115	3 101	3 066	3 048	2 896
<i>among which: in heating plants</i>							
		528	590	575	537	546	575
Heat consumption		2 406	2 474	2 462	2 422	2 407	2 294
<i>of which: in industry</i>							
		172	177	168	158	161	144
<i>in households and services</i>							
		2 235	2 297	2 294	2 263	2 246	2 149
<i>among which: in households</i>							
		1 504	1 541	1 536	1 516	1 504	1 437

## 4.1 Crude oil and feedstocks

	DANMARK					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	18 143	18 143	19 262	18 517	16 839	15 169
Total imports	3 432	3 558	3 857	2 784	2 717	2 054
Total exports	13 813	13 403	15 050	13 751	11 662	9 515
Stock changes	58	22	-59	109	17	-52
Refinery intake	7 922	8 251	8 046	7 667	7 911	7 688
<b>Imports of Crude Oil by origin</b>						
<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	3 231	3 492	3 735	2 720	2 708	1 966
Russia	30	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-



## 4.2 Petroleum products

	DANMARK					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	7 890	8 154	7 954	7 499	7 853	7 622
<i>among which:</i>						
Motor spirit	2 074	2 082	1 986	1 919	1 987	1 962
Kerosene and jet fuel	529	611	606	507	608	542
Naphtha	-	-	6	4	13	40
Gas/diesel oil	3 258	3 451	3 329	3 224	3 298	3 198
Residual fuel oil	1 574	1 519	1 557	1 405	1 471	1 415
Total imports	5 215	4 821	4 856	5 925	5 476	5 842
Total exports	3 779	3 929	4 030	4 058	4 486	4 516
Bunkers	940	990	806	835	1 086	1 125
Stock changes	257	20	182	-674	267	321
Gross inland consumption	769	-68	209	365	179	529
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	48	43	180	123	105	94
United Kingdom	180	116	186	117	334	241
Norway	640	574	463	649	661	640
OPEC	1 088	281	419	635	323	356
Imports by product						
<i>among which:</i>						
Motor spirit	1 006	871	878	1 036	918	966
Kerosene and jet fuel	571	528	709	970	575	606
Gas/diesel oil	1 718	1 927	1 829	2 105	2 392	2 127
Residual fuel oil	1 369	921	900	1 200	1 042	1 492
Exports by product						
<i>among which:</i>						
Motor spirit	1 126	1 012	958	1 054	1 086	1 121
Kerosene and jet fuel	368	494	420	379	444	467
Gas/diesel oil	979	1 137	1 141	967	1 672	1 103
Residual fuel oil	1 179	1 161	1 393	1 544	1 152	1 657
<b>Consumption</b>						
Inputs to electricity plants	1 200	503	395	352	402	317
Inputs to heating plants	58	55	40	35	27	29
Non-energy use	278	288	319	299	306	328
Final energy consumption	6 822	6 921	7 092	7 107	7 174	7 273
Industry						
<i>among which by product:</i>						
Gas/diesel oil	361	380	392	383	360	358
Residual fuel oil	198	171	171	149	210	188

	DANMARK						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Industry</b>							
<i>among which by sector:</i>							
Iron&steel industry		5	6	6	3	3	2
Non-ferrous metals		4	3	3	-	1	1
Chemical industry		35	27	28	23	33	26
Non-met. mineral prod.		301	304	319	306	326	341
Food, drink, tobacco		180	169	172	163	199	181
Pulp, paper and print		11	12	12	10	9	9
Engineering & metal		66	72	75	67	65	61
Other industries		189	194	196	193	193	194
<b>Transport</b>		4 553	4 734	4 964	5 074	5 142	5 364
<i>among which:</i>							
Motor spirit		1 914	1 919	1 896	1 839	1 806	1 790
Jet fuel		720	741	863	918	893	934
Diesel oil		1 856	2 018	2 154	2 272	2 400	2 602
<b>Services &amp; households etc.</b>		1 425	1 345	1 260	1 208	1 145	1 038
<i>among which:</i>							
Gas oil		1 324	1 259	1 181	1 120	1 054	962
Residual fuel oil		47	29	23	26	35	22
<b>Stocks at end of period</b>							
Crude oil and feedstocks		669	719	778	669	652	704
Petroleum products		1 875	1 855	1 673	2 347	2 080	1 759

## 5. Natural gas

<i>in TJ (GCV)</i>	DANMARK					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	353 693	335 062	395 033	436 520	433 718	384 607
Total imports	-	-	-	-	-	-
Total exports	138 837	120 692	171 722	233 085	218 084	188 377
Stock changes	408	2 445	-7 748	1 226	-4 593	-7 283
Gross inland consumption	215 264	216 815	215 563	204 661	211 041	188 947
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	105 578	103 641	103 928	92 867	96 133	74 020
Inputs to heat plants	3 055	3 715	3 427	4 861	5 274	6 605
Consumption of energy branch	29 237	29 279	30 191	31 066	31 659	31 382
Distribution losses	134	133	133	132	132	132
Non-energy use	-	-	-	-	-	-
Industry	34 757	34 853	33 263	33 278	33 285	34 770
<i>among which:</i>						
Iron&steel industry	1 897	1 661	1 502	1 612	1 536	1 605
Non-ferrous metals	192	142	128	105	100	104
Chemical industry	3 587	3 935	3 140	3 198	3 089	3 228
Non-met. mineral prod.	5 981	6 089	5 503	5 292	5 032	5 260
Food, drink, tobacco	11 340	10 033	11 052	12 039	11 964	12 505
Pulp, paper and print	2 298	2 914	2 582	2 904	2 881	3 011
Engineering & metal	4 641	5 173	4 718	4 252	4 040	4 222
Other industries	2 840	3 092	2 789	2 533	2 593	2 692
Transport	-	-	-	-	-	-
Services & households etc.	41 881	45 541	45 278	45 557	45 353	42 608
<i>among which:</i>						
Households	30 634	32 776	32 597	32 277	31 243	29 180
Services	8 421	10 188	10 172	10 782	11 879	11 320

## 6.1 Hard coal

	DANMARK					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	6 263	9 515	7 592	6 031	8 688	8 122
Total exports	168	151	157	96	110	183
Stock changes	810	169	-108	358	594	-31
Gross inland consumption	6 905	9 533	7 327	6 293	9 172	7 908
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	250	569	442	129	290	144
Colombia	792	2 681	1 454	1 254	1 537	2 475
Russia	1 085	970	1 966	1 531	2 040	2 252
South Africa	1 214	2 971	1 845	1 852	3 062	2 099
USA	13	246	188	66	274	6
<b>Consumption</b>						
Inputs to electricity plants	6 617	9 304	7 010	5 906	8 936	7 541
Inputs to heat plants	1	1	1	2	4	4
Consumption of energy branch	-	-	-	-	-	-
Industry	275	286	320	301	308	299
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	14	22	24	20	20	20
Non-met. mineral prod.	156	188	210	210	215	207
Food, drink, tobacco	87	73	82	67	69	69
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	33	45	54	67	76	77

## 6.2 Coal derivatives and peat

		DANMARK					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		693	685	678	619	555	497
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		37	34	39	34	35	38
<i>among which:</i>							
Iron & steel industry		1	-	-	-	-	-
Services & households		-	1	1	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Brown coal briquettes		1	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		1	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		664	656	650	594	532	477
Inputs to electricity plants		-	-	-	-	-	-
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-
Consumption in industry		47	22	22	20	20	21

## 7. Renewable energy sources

		DANMARK					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	2 351	2 637	2 834	2 902	2 946	3 193
Hydro (excl. pumping)		3	2	2	2	2	2
Wind		419	478	566	569	525	617
Solar		9	9	9	10	10	11
Geothermal		4	4	4	3	13	14
Biomass		1 917	2 144	2 253	2 318	2 396	2 549
	<i>among which:</i>						
Wood, wood-waste		991	1 144	1 215	1 260	1 289	1 441
Municipal solid waste		809	874	890	903	926	927
Biogas		80	85	89	91	94	93
Gross inland consumption		2 456	2 798	3 054	3 227	3 269	3 559
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		4	4	4	3	13	14
Biomass		1 307	1 506	1 639	1 708	1 688	1 700
	<i>among which:</i>						
Wood, wood-waste		487	628	745	795	764	767
Municipal waste		754	808	821	838	855	867
Biogas		66	71	73	75	68	66
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	722	805	837	942	1 038	1 198
	<i>by sector:</i>						
Industry		93	111	115	119	120	125
Services & households etc.		629	694	722	823	914	1 067
Transport		-	-	-	-	4	6
	<i>by source:</i>						
Biomass		714	797	829	934	1 029	1 188
	<i>among which:</i>						
Wood, wood-waste		646	717	748	854	931	1 097
Municipal waste		55	66	63	63	69	58
Biogas		14	14	18	17	25	27
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		1	2	2	2	2	2
Hydro with installed capacity < 1 MW		32	11	14	11	12	12
Hydro with installed capacity > 1 & <10 MW		17	10	13	11	12	16
Hydro with installed capacity > 10 MW		15	-	-	-	-	-
Wood, Wood-waste		878	1 401	1 840	1 894	1 777	1 829
Municipal waste		1 384	1 485	1 441	1 814	1 830	1 760
Biogas		240	276	281	281	272	271

		DANMARK					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		2	2	2	3	3	3
Hydro with installed capacity < 1 MW		7	7	7	7	7	7
Hydro with installed capacity > 1 & <10 MW		4	4	4	4	2	2
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		215	311	474	584	455	333
Municipal waste		270	285	312	306	299	233
Biogas		53	58	63	65	61	59
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	40	45	65	71	98	98
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	282	298	306	321	337	357





# 1. Energy economy

## Key figures and energy indicators

		DEUTSCHLAND					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	132 450	133 840	135 466	133 873	134 788	135 263
Net energy imports		209 252	212 969	215 533	215 281	215 548	201 840
Net oil imports		124 200	126 061	122 149	123 134	121 515	109 177
Net gas imports		60 071	62 437	65 895	65 734	66 434	61 753
Gross inland energy consumption		345 590	348 322	350 304	347 123	348 838	339 568
Final energy consumption		219 240	222 305	220 725	217 308	221 627	210 294p
Industry		57 925	57 495	56 421	55 807	55 601	57 374p
Transport		64 371	62 596	63 219	62 149	63 311	62 385
Services and households etc.		96 944	102 215	101 085	99 352	102 715	90 535p
Gross electricity generation	GWh	571 645	599 470	616 785	620 300	636 600	637 101
Final electricity consumption		498 840	509 265	513 327	517 504	528 024	530 427
<b>Socio-economic statistics</b>							
Population	1000 per.	82 440	82 537	82 532	82 501	82 438	82 315
Total imports (current prices)	Mio EUR	667 980	685 380	736 990	801 850	921 220	966 220
among which:							
All energy commodities		43 596	47 522	52 487	72 122	88 632	81 668
Oil products		28 073	29 460	34 772	49 247	57 893	54 065
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	4 192	4 220	4 244	4 208	4 232	4 125
Final energy consumption / capita		2 659	2 693	2 674	2 634	2 688	2 555
Household consumption / capita		780	816	805	810	824	733
Final electricity consumption / capita	kWh/cap.	6 051	6 170	6 220	6 273	6 405	6 444
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	60.1	60.7	61.1	61.6	61.3	58.9
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	63.4	63.8	63.0	62.6	63.5	61.9
Efficiency of thermal power stations		41.4	41.8	42.4	44.1	43.8	42.1

## 2. Energy balance

### Principal aggregates by product

	DEUTSCHLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	132 450	133 840	135 466	133 873	134 788	135 263
<i>among which:</i> Hard coal	18 875	18 693	18 701	18 036	15 332	15 714
Lignite and peat	39 886	39 295	39 638	38 452	37 977	38 876
Crude oil	3 587	3 773	3 538	3 545	3 453	3 430
Natural Gas	15 987	15 920	14 732	14 224	14 052	12 871
Nuclear heat	42 522	42 578	43 095	42 061	43 148	36 251
Hydro-electricity	1 988	1 656	1 812	1 684	1 714	1 797
Biomass	7 929	9 954	11 361	13 039	15 834	22 118
<b>Imports</b>						
Total	238 960	243 622	252 456	256 115	259 095	246 631
<i>among which:</i> Hard coal	20 219	21 652	25 199	24 776	27 169	29 849
Crude oil and feedstocks	107 236	108 869	112 505	114 698	111 911	109 012
Petroleum products	36 969	36 726	34 679	35 584	37 589	29 107
Natural Gas	65 858	68 515	72 869	73 531	75 648	71 447
Electricity	4 159	4 222	4 143	4 889	4 167	3 951
<b>Exports</b>						
Total	29 709	30 653	36 922	40 834	43 547	44 791
<i>among which:</i> Crude oil and feedstocks	1 351	662	1 132	718	559	704
Petroleum products	18 654	18 872	23 903	26 431	27 426	28 238
Natural gas	5 787	6 078	6 974	7 797	9 214	9 693
Electricity	3 299	4 504	4 369	5 282	5 627	5 375
<b>Gross inland consumption</b>						
Total	345 590	348 322	350 304	347 123	348 838	339 568
<i>among which:</i> Solid fuels	84 313	84 970	85 845	82 803	82 236	86 968
Crude oil and petrol. prod.	129 362	127 155	125 909	124 236	124 629	112 727
Natural gas	75 571	79 131	78 731	80 856	79 495	76 644
Nuclear Energy	42 522	42 578	43 095	42 061	43 148	36 251
Renewables	11 593	13 580	15 762	17 555	20 772	28 106
<b>Transformation input</b>						
Total	265 771	273 690	279 246	278 043	280 084	278 699
<i>among which:</i> Crude oil and feedstocks	118 770	120 899	124 829	127 966	125 721	123 429
Petroleum products	1 722	1 857	2 079	2 627	2 212	2 046
Hard coal	37 980	39 590	40 313	36 982	38 483	40 576
Lignite and peat	40 118	39 399	39 656	38 679	38 885	38 563
Renewables	2 548	3 777	4 567	5 185	6 262	11 656
<b>Transformation output</b>						
Total	182 405	187 430	192 528	195 247	194 663	191 657p
<i>among which:</i> Electricity	45 377	47 793	48 396	48 587	49 749	48 919
Heat	7 554	7 724	7 514	7 434	7 425	7 390p

		DEUTSCHLAND					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		219 240	222 305	220 725	217 308	221 627	210 294p
<i>among which:</i>	Solid fuels	11 007	10 084	10 241	9 829	9 791	9 602
	Petroleum products	96 616	93 727	91 266	88 706	89 742	78 449
	Natural Gas	53 882	58 848	58 858	57 141	57 689	56 790
	Renewables	5 677	6 412	7 055	8 151	9 883	10 903
	Electricity	42 893	43 789	44 138	44 497	45 402	45 609
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		57 925	57 495	56 421	55 807	55 601	57 374p
<i>among which:</i>	Solid fuels	9 430	8 823	8 889	8 945	8 802	8 948
	Petroleum Products	5 317	4 894	4 746	4 486	4 586	4 162
	Natural Gas	18 607	19 183	17 543	17 244	17 254	18 268
	Renewables	759	845	1 304	1 427	1 383	1 442
	Electricity	20 084	19 930	20 107	19 957	19 725	20 873
<b>Transport</b>							
Total		64 371	62 596	63 219	62 149	63 311	62 385
<i>among which:</i>	Motor spirit	28 363	26 949	26 045	24 131	22 996	21 671
	Diesel oil	27 118	26 317	27 008	26 286	26 632	26 036
	Jet fuel	6 984	7 148	7 715	8 304	8 727	9 046
	Electricity	1 392	1 388	1 393	1 393	1 402	1 402
<b>Services&amp;households</b>							
Total		96 944	102 215	101 085	99 352	102 715	90 535p
<i>among which:</i>	Solid fuels	1 555	1 261	1 352	884	989	654
	Gas oil	27 602	27 148	24 470	24 199	25 504	16 003
	Natural Gas	35 275	39 665	41 316	39 897	40 434	38 521
	Renewables	4 430	4 856	4 776	4 776	5 033	5 467
	Electricity	21 416	22 471	22 638	23 147	24 275	23 334
	Heat	5 427	5 615	5 323	5 226	5 257	5 255p

### 3.1 Electricity balance

	DEUTSCHLAND						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		571 645	599 470	616 785	620 300	636 600	637 101
<i>among which:</i>							
Hydro		27 864	24 440	27 874	26 717	27 304	28 458
Wind		15 856	18 859	25 509	27 229	30 710	39 713
Geothermal		-	-	-	-	-	-
Nuclear		164 842	165 060	167 065	163 055	167 269	140 534
Conventional thermal		362 895	390 778	395 780	402 017	409 097	425 321
<i>of which:</i>							
Hard coal		133 729	142 304	141 611	127 983	128 261	132 272
Lignite and peat		150 816	164 277	157 911	169 534	165 370	167 513
Petroleum products		4 342	4 712	10 140	10 583	9 549	11 269
Natural gas		54 061	58 505	61 475	68 405	76 077	73 342
Derived gases		6 999	7 628	8 610	8 204	6 769	10 777
Biomass		7 688	10 144	11 473	16 570	21 265	30 078
Industrial wastes		5 260	3 208	4 560	738	1 806	70
Total net generation		535 934	564 338	576 898	577 754	594 914	595 361
<b>Imports and exports</b>							
Total imports		48 370	49 107	48 187	56 861	48 464	45 953
Total exports		38 372	52 379	50 808	61 427	65 441	62 508
<b>Consumption and losses</b>							
Consumption of the energy branch		52 507	54 792	59 855	61 766	57 803	56 121
<i>of which:</i>							
Consumption for pumped-storage		1 579	2 552	2 513	2 378	1 641	1 560
Network losses		25 556	26 968	34 185	29 328	28 804	29 518
Final energy consumption		498 840	509 265	513 327	517 504	528 024	530 427
<i>of which:</i>							
Industry		233 582	231 785	233 842	232 104	229 402	242 752
<i>among which:</i>							
Iron&steel industry		24 070	23 874	24 086	26 999	29 876	27 282
Non-ferrous metals		18 827	18 774	18 941	18 100	15 925	17 839
Chemical industry		49 185	48 906	49 341	54 765	49 236	50 162
Non-met. mineral prod.		15 087	15 066	15 200	12 248	12 791	12 655
Food, drink, tobacco		14 957	14 834	14 966	16 811	17 249	16 746
Pulp, paper and print		22 151	22 020	22 215	25 094	25 472	21 208
Engineering & metal		29 738	29 437	29 698	30 543	30 030	29 351
Other industries		53 102	52 384	52 847	42 458	43 915	62 375
Transport		16 190	16 144	16 200	16 200	16 300	16 300
Services & households etc.		249 068	261 336	263 285	269 200	282 322	271 375
<i>among which:</i>							
Households		131 172	139 548	140 389	141 800	141 500	140 100

### 3.2 Electrical capacity, fuel inputs and heat

		DEUTSCHLAND					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	125 995	124 669	123 865	123 522	125 001	128 780
<b>by source:</b>							
Conventional thermal		81 092	80 365	78 413	76 375	75 176	77 738
<i>of which:</i>							
Steam		:	:	:	:	:	:
Gas turbine		:	:	:	:	:	:
Combined cycle		:	:	:	:	:	:
Internal combustion		:	:	:	:	:	:
Nuclear		23 403	21 439	20 552	20 378	20 208	20 208
Hydro		9 499	8 256	8 271	8 341	8 995	8 587
<i>among which:</i>							
Pumped storage		4 562	4 198	4 198	4 198	4 854	5 223
Wind		12 001	14 609	16 629	18 428	20 622	22 247
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		116 150	114 739	114 260	114 409	121 786	122 798
Autoproducers		10 105	10 318	10 313	10 621	9 797	9 795
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	90 383	95 708	95 002	92 517	95 112	102 441
<i>among which:</i>							
Hard coal		31 652	32 827	32 510	29 789	31 236	32 843
Lignite and peat		38 285	37 654	36 838	35 907	35 960	35 716
Petroleum products		1 094	1 384	1 462	2 051	1 480	1 519
Natural gas		13 217	16 866	16 331	17 453	18 056	17 731
Renewables		2 548	3 590	4 352	4 933	6 044	11 378
Heating plants		1 506	1 479	1 376	868	840	1 179
<i>among which:</i>							
Hard coal		76	98	445	-	-	441
Lignite and peat		35	-	-	-	-	-
Petroleum products		172	-	214	211	186	24
Natural gas		1 182	1 154	397	405	406	406
Renewables		-	187	216	252	218	278
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	7 554	7 724	7 514	7 434	7 425	7 390p
<i>among which: in heating plants</i>							
		1 297	1 344	1 297	1 212	1 113	1 107p
Heat consumption		6 459	6 649	6 399	6 303	6 336	6 306p
<i>of which: in industry</i>							
		1 032	1 034	1 076	1 077	1 078	1 051p
<i>in households and services</i>							
		5 427	5 615	5 323	5 226	5 257	5 255p
<i>among which: in households</i>							
		3 214	3 370	3 150	3 135	3 112	3 105p

## 4.1 Crude oil and feedstocks

	DEUTSCHLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	3 509	3 690	3 463	3 471	3 383	3 361
Total imports	104 897	106 464	110 126	112 314	109 649	106 816
Total exports	1 322	647	1 108	703	548	690
Stock changes	-47	-242	-629	-388	-917	-81
Refinery intake	116 244	118 295	122 256	125 370	123 241	121 004
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	20 547	20 472	22 031	25 555	23 104	20 654
Near and Middle East	11 197	10 230	8 560	8 017	7 286	6 244
Africa	18 155	16 884	16 952	20 789	20 220	18 821
<i>by country of origin:</i>						
Algeria	4 231	3 727	2 869	4 572	2 337	2 485
Irak	43	30	-	-	60	153
Iran	64	23	405	475	162	419
Kazakhstan	5 538	6 627	7 449	7 410	7 613	7 950
Kuwait	238	-	60	-	62	62
Libya	8 731	8 968	12 781	12 915	12 370	10 892
Mexico	-	-	35	36	34	-
Nigeria	2 824	2 883	914	2 124	3 118	2 051
Norway	22 283	22 281	21 804	17 289	18 520	16 646
Russia	31 605	33 483	37 066	38 170	36 915	33 866
Saudi Arabia	3 612	3 880	4 219	4 137	3 561	2 305
Syria	7 240	6 297	3 936	3 405	3 447	3 141
United Arab Emirates	-	-	-	-	-	65

## 4.2 Petroleum products

	DEUTSCHLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	114 083	116 165	119 954	122 675	120 571	118 470
<i>among which:</i>						
Motor spirit	25 970	26 449	26 467	27 240	26 576	25 891
Kerosene and jet fuel	4 165	4 204	4 431	4 266	4 417	4 594
Naphtha	8 663	8 693	9 389	9 063	8 510	8 207
Gas/diesel oil	47 455	48 638	49 551	52 137	50 854	49 315
Residual fuel oil	12 183	12 232	14 013	13 340	13 684	13 669
Total imports	36 338	36 086	34 070	34 961	37 060	28 618
Total exports	18 584	18 846	23 819	26 301	27 305	28 061
Bunkers	2 445	2 664	2 726	2 553	2 641	3 144
Stock changes	2 449	-1 301	1 613	-1 660	884	950
Gross inland consumption	18 078	13 630	9 472	4 803	8 374	-1 252
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	19 341	19 409	19 410	20 604	21 836	16 249
United Kingdom	1 570	921	1 448	1 654	2 000	1 772
Norway	459	814	351	300	250	142
OPEC	879	580	526	181	161	102
Imports by product						
<i>among which:</i>						
Motor spirit	5 508	5 204	4 123	3 258	2 141	1 798
Kerosene and jet fuel	3 193	3 321	3 902	4 523	4 586	4 627
Gas/diesel oil	14 475	14 633	13 121	13 612	16 290	9 313
Residual fuel oil	2 925	3 249	2 762	3 060	3 321	2 607
Exports by product						
<i>among which:</i>						
Motor spirit	4 399	4 155	5 264	5 708	5 599	5 423
Kerosene and jet fuel	386	292	537	458	506	506
Gas/diesel oil	6 242	6 328	8 150	10 003	10 876	12 256
Residual fuel oil	3 611	4 004	5 377	5 668	5 892	5 390
<b>Consumption</b>						
Inputs to electricity plants	1 161	1 473	1 605	2 192	1 600	1 580
Inputs to heating plants	170	-	219	216	183	24
Non-energy use	21 999	22 119	22 474	22 112	22 295	21 852
Final energy consumption	94 084	91 249	88 832	86 355	87 414	76 326
Industry						
<i>among which by product:</i>						
Gas/diesel oil	2 180	2 087	2 265	2 173	2 201	2 374
Residual fuel oil	2 380	2 106	1 855	1 662	1 633	1 106

	DEUTSCHLAND						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		888	886	864	782	782	738
Non-ferrous metals		122	119	121	121	121	100
Chemical industry		326	6	28	95	86	15
Non-met. mineral prod.		1 313	1 232	1 112	934	972	808
Food, drink, tobacco		690	689	582	582	582	584
Pulp, paper and print		215	211	181	181	189	149
Engineering & metal		801	780	784	784	798	814
Other industries		854	851	922	845	901	801
Transport		60 444	58 543	58 915	56 961	56 633	55 233
<i>among which:</i>							
Motor spirit		26 989	25 643	24 783	22 962	21 882	20 621
Jet fuel		6 800	6 960	7 512	8 085	8 497	8 808
Diesel oil		26 652	25 865	26 544	25 834	26 174	25 589
Services & households etc.		28 256	27 774	25 151	24 898	26 178	16 917
<i>among which:</i>							
Gas oil		27 128	26 682	24 050	23 783	25 066	15 728
Residual fuel oil		5	5	5	8	5	5
<b>Stocks at end of period</b>							
Crude oil and feedstocks		15 480	15 722	16 351	16 739	17 656	17 737
Petroleum products		18 511	19 812	18 199	19 856	18 972	18 022



## 5. Natural gas

	DEUTSCHLAND						
	<i>in TJ (GCV)</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		743 728	740 615	685 342	661 721	653 696	598 741
Total imports		3 063 709	3 187 328	3 389 857	3 420 663	3 519 141	3 323 694
Total exports		269 209	282 769	324 436	362 714	428 634	450 935
Stock changes		-22 680	36 000	-88 200	41 760	-46 080	93 960
Gross inland consumption		3 515 548	3 681 174	3 662 563	3 761 430	3 698 123	3 565 460
<b>Imports</b>							
Imports by origin							
<i>among which:</i>							
Algeria		-	-	-	-	-	-
Egypt		-	-	-	-	-	-
Libya		-	-	-	-	-	-
Nigeria		-	-	-	-	-	-
Norway		964 662	987 800	1 038 277	1 097 831	1 069 246	1 040 911
Oman		-	-	-	-	-	-
Qatar		-	-	-	-	-	-
Russia		1 249 659	1 398 271	1 466 679	1 425 938	1 477 669	1 436 060
<b>Consumption</b>							
Inputs to electricity plants		614 838	784 606	759 715	811 901	839 978	824 860
Inputs to heat plants		55 000	53 670	18 447	18 843	18 890	18 866
Consumption of energy branch		48 288	32 785	32 700	34 000	18 845	20 785
Distribution losses		22 548	19 488	19 550	7 620	10 048	717
Non-energy use		100 000	100 648	100 000	100 000	100 000	97 000
Industry		865 590	892 399	816 095	802 212	802 670	849 850
<i>among which:</i>							
Iron&steel industry		114 803	107 304	111 254	90 606	107 350	111 363
Non-ferrous metals		37 965	39 700	33 654	35 116	35 074	36 880
Chemical industry		225 563	235 870	212 090	217 083	197 226	177 453
Non-met. mineral prod.		115 651	120 936	112 748	113 513	117 162	125 452
Food, drink, tobacco		99 205	103 738	78 724	79 016	76 731	97 766
Pulp, paper and print		92 501	96 728	103 538	105 648	103 455	109 148
Engineering & metal		115 172	120 435	112 304	109 706	114 492	134 073
Other industries		41 267	43 153	32 510	33 459	34 034	38 018
Transport		-	-	-	-	-	-
Services & households etc.		1 641 000	1 845 209	1 922 000	1 856 000	1 881 000	1 792 000
<i>among which:</i>							
Households		1 150 000	1 251 209	1 320 000	1 350 000	1 340 000	1 310 000
Services		480 000	581 000	590 000	496 000	529 000	470 000

## 6.1 Hard coal

	DEUTSCHLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	29 209	28 753	29 151	28 018	23 762	24 185
Total imports	32 607	34 917	39 536	37 105	42 132	46 287
Total exports	227	195	184	255	199	310
Stock changes	1 178	2 907	-581	-916	-157	-65
Gross inland consumption	62 767	66 382	67 922	63 952	65 538	70 097
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	4 510	5 006	3 996	4 171	4 748	5 626
Colombia	5 823	6 175	3 718	3 069	4 184	5 923
Russia	1 911	2 656	5 831	7 546	8 712	8 977
South Africa	9 898	9 052	9 304	8 305	8 570	7 689
USA	332	381	966	1 267	2 058	3 265
<b>Consumption</b>						
Inputs to electricity plants	50 953	52 846	51 809	47 400	49 952	51 715
Inputs to heat plants	125	161	628	-	-	622
Consumption of energy branch	3	1	-	-	-	1
Industry						
<i>among which:</i>						
Iron&steel industry	2 718	3 264	3 606	4 178	4 580	4 377
Non-ferrous metals	15	16	17	253	27	24
Chemical industry	725	527	241	704	677	21
Non-met. mineral prod.	933	887	640	335	328	504
Food, drink, tobacco	164	139	144	95	102	106
Pulp, paper and print	381	413	384	467	507	483
Engineering & metal	5	-	103	-	-	1
Other industries	6	12	5	17	16	1
Services & households etc.	1 173	751	930	606	521	430

## 6.2 Coal derivatives and peat

		DEUTSCHLAND					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		7 226	7 827	8 479	8 397	8 372	8 441
Patent Fuel		124	114	102	92	96	89
Lignite and peat		181 923	179 230	182 059	178 036	176 422	180 409
Brown coal briquettes		4 942	4 843	5 256	5 252	5 624	5 386
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		67 307	60 878	65 035	64 406	67 729	62 442
Blast-furnace gas		168 895	171 651	180 947	178 259	188 538	197 326
Gasworks gas		804	757	803	787	780	467
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		8 151	6 879	6 459	5 857	5 382	6 123
<i>among which:</i>							
Iron & steel industry		7 458	6 207	5 959	5 380	4 990	5 812
Services & households		212	106	85	65	50	-
Patent Fuel		105	80	60	52	55	62
<i>among which:</i>							
Services & households		105	80	60	52	55	60
Lignite and peat		371	364	382	398	569	562
<i>among which:</i>							
Industry		336	334	340	365	561	562
Services & households		35	30	42	33	8	-
Brown coal briquettes		3 310	3 428	3 716	3 395	3 828	3 157
<i>among which:</i>							
Industry		2 017	2 026	2 502	2 518	2 632	2 453
Services & households		1 293	1 402	1 214	877	1 196	704
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		42 785	38 337	38 913	38 296	40 199	31 162
Blast-furnace gas		74 099	81 904	80 134	77 034	79 680	81 892
Gasworks gas		793	747	792	783	780	467
Inputs to electricity plants		77 151	77 987	83 554	80 806	85 520	107 251
Inputs to heat plants		992	904	3 447	-	-	-
Consumption of energy branch		36 823	31 356	34 063	36 145	34 570	32 825
Consumption in industry		117 178	120 502	119 315	115 591	120 132	113 218

## 7. Renewable energy sources

		DEUTSCHLAND					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	11 593	13 580	15 762	17 555	20 827	28 121
Hydro (excl. pumping)		1 988	1 656	1 812	1 684	1 714	1 797
Wind		1 363	1 622	2 193	2 341	2 641	3 415
Solar		184	216	262	353	472	580
Geothermal		128	132	134	138	167	212
Biomass		7 929	9 954	11 361	13 039	15 834	22 118
	<i>among which:</i>						
Wood, wood-waste		4 702	7 048	8 127	7 818	8 475	10 578
Municipal solid waste		1 463	1 258	1 248	1 662	1 838	3 918
Biogas		1 270	918	992	1 332	1 665	2 403
Gross inland consumption		11 593	13 580	15 762	17 555	20 772	28 106
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	10	10	11	14	28
Biomass		2 548	3 768	4 557	5 174	6 248	11 628
	<i>among which:</i>						
Wood, wood-waste		233	1 656	2 385	1 983	2 493	4 168
Municipal waste		1 463	1 258	1 248	1 662	1 838	3 918
Biogas		846	834	905	1 248	1 590	2 334
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	5 677	6 412	7 055	8 151	9 883	10 903
	<i>by sector:</i>						
Industry		759	845	1 304	1 427	1 383	1 442
Services & households etc.		4 430	4 856	4 776	4 776	5 033	5 467
Transport		489	711	975	1 948	3 467	3 994
	<i>by source:</i>						
Biomass		5 382	6 102	6 717	7 782	9 449	10 404
	<i>among which:</i>						
Wood, wood-waste		4 469	5 392	5 742	5 834	5 982	6 410
Municipal waste		-	-	-	-	-	-
Biogas		424	-	-	-	-	-
Geothermal		128	122	124	127	153	184
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		188	333	557	1 282	2 220	3 075
Hydro with installed capacity < 1 MW		2 800	3 400	3 314	3 300	3 222	3 380
Hydro with installed capacity > 1 & <10 MW		5 794	4 567	5 064	4 659	4 774	5 004
Hydro with installed capacity > 10 MW		14 530	11 297	12 698	11 622	11 935	12 520
Wood, Wood-waste		543	2 775	3 900	4 647	6 518	10 381
Municipal waste		3 898	4 324	4 232	6 075	7 278	8 260
Biogas		3 247	2 968	3 264	4 708	6 155	8 520

		DEUTSCHLAND					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		260	388	708	1 508	2 831	3 811
Hydro with installed capacity < 1 MW		555	540	555	641	641	534
Hydro with installed capacity > 1 & <10 MW		972	1 004	1 009	1 073	1 073	867
Hydro with installed capacity > 10 MW		3 410	2 423	2 423	2 429	2 429	1 963
Wood, Wood-waste		285	526	884	1 008	1 094	1 400
Municipal waste		585	847	1 016	1 256	1 369	1 301
Biogas		580	599	654	1 074	1 409	1 665
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	556	822	1 137	2 569	4 469	5 979
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	4 754	5 477	6 235	7 197	8 610	9 510



## 1. Energy economy Key figures and energy indicators

		EESTI					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	3 505	4 060	3 848	4 010	3 879	4 464
Net energy imports		1 610	1 580	1 850	1 671	1 864	1 877
Net oil imports		1 005	968	1 104	1 085	1 246	1 390
Net gas imports		596	680	775	800	808	803
Gross inland energy consumption		4 970	5 454	5 655	5 559	5 420	6 071
Final energy consumption		2 522	2 625	2 741	2 802	2 790	3 028
Industry		536	644	615	665	631	716
Transport		672	644	710	769	797	862
Services and households etc.		1 314	1 337	1 416	1 369	1 363	1 450
Gross electricity generation	GWh	8 527	10 159	10 304	10 205	9 731	12 190
Final electricity consumption		5 272	5 573	5 892	6 023	6 473	6 776
<b>Socio-economic statistics</b>							
Population	1000 per.	1 361	1 356	1 351	1 348	1 345	1 342
Total imports (current prices)	Mio EUR	6 088	6 686	7 839	9 577	12 112	13 021
among which:							
All energy commodities		:	:	305	728	1 695	1 564
Oil products		:	:	268	635	1 568	1 372
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 651	4 022	4 185	4 125	4 031	4 522
Final energy consumption / capita		1 853	1 936	2 029	2 080	2 075	2 256
Household consumption / capita		674	683	683	660	655	716
Final electricity consumption / capita	kWh/cap.	3 873	4 110	4 361	4 470	4 814	5 048
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	31.6	28.4	31.9	29.4	33.1	29.7
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	50.7	48.1	48.5	50.4	51.5	49.9
Efficiency of thermal power stations		42.0	42.1	37.8	42.3	43.5	42.1

## 2. Energy balance

### Principal aggregates by product

in 1 000 toe	EESTI					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	3 505	4 060	3 848	4 010	3 879	4 464
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	2 813	3 247	3 035	3 176	3 099	3 651
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	1	1	2	2	1	2
Biomass	567	665	678	686	637	735
<b>Imports</b>						
Total	1 814	1 907	2 184	1 987	2 139	2 339
<i>among which:</i> Hard coal	39	37	29	35	62	116
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 005	968	1 104	1 085	1 246	1 390
Natural Gas	596	680	775	800	808	803
Electricity	35	8	30	30	22	30
<b>Exports</b>						
Total	204	327	334	316	275	462
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Electricity	95	171	184	168	86	238
<b>Gross inland consumption</b>						
Total	4 970	5 454	5 655	5 559	5 420	6 071
<i>among which:</i> Solid fuels	2 852	3 323	3 342	3 191	3 043	3 714
Crude oil and petrol. prod.	1 033	1 036	1 093	1 118	1 103	1 160
Natural gas	596	680	775	800	808	803
Nuclear Energy	-	-	-	-	-	-
Renewables	548	577	600	589	531	602
<b>Transformation input</b>						
Total	3 068	3 426	3 660	3 391	3 230	3 784
<i>among which:</i> Crude oil and feedstocks	1	1	1	1	1	1
Petroleum products	112	91	84	86	71	59
Hard coal	4	3	3	3	3	2
Lignite and peat	2 376	2 818	2 984	2 676	2 532	3 115
Renewables	106	94	112	132	118	101
<b>Transformation output</b>						
Total	1 559	1 689	1 681	1 675	1 644	1 856
<i>among which:</i> Electricity	733	872	883	871	829	1 039
Heat	644	611	644	656	645	622



<i>in 1 000 toe</i>	<b>EESTI</b>					
	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Final energy consumption</b>						
Total	2 522	2 625	2 741	2 802	2 790	3 028
<i>among which:</i> Solid fuels	89	70	86	117	108	170
Petroleum products	843	832	936	965	964	1 037
Natural Gas	180	251	208	207	218	220
Renewables	442	481	483	447	404	489
Electricity	453	479	507	518	557	583
<b>Final energy consumption by sector</b>						
<b>Industry</b>						
Total	536	644	615	665	631	716
<i>among which:</i> Solid fuels	54	43	52	86	85	154
Petroleum Products	70	99	100	93	82	84
Natural Gas	91	144	105	109	116	122
Renewables	114	119	120	131	84	85
Electricity	162	175	184	186	201	205
<b>Transport</b>						
Total	672	644	710	769	797	862
<i>among which:</i> Motor spirit	322	308	296	309	326	338
Diesel oil	323	309	377	409	435	467
Jet fuel	20	18	28	42	29	50
Electricity	8	8	9	9	7	7
<b>Services&amp;households</b>						
Total	1 314	1 337	1 416	1 369	1 363	1 450
<i>among which:</i> Solid fuels	35	27	34	31	23	16
Gas oil	60	77	113	102	84	91
Natural Gas	90	107	103	98	102	98
Renewables	328	361	364	317	320	404
Electricity	283	296	315	323	349	371
Heat	469	448	466	488	476	464

### 3.1 Electricity balance

	EESTI						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		8 527	10 159	10 304	10 205	9 731	12 190
<i>among which:</i>							
Hydro		6	13	22	22	13	21
Wind		1	6	8	54	76	91
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		8 520	10 140	10 274	10 129	9 642	12 078
<i>of which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		7 748	9 371	9 524	9 302	8 789	11 418
Petroleum products		29	43	36	32	30	34
Natural gas		713	699	684	760	783	590
Derived gases		-	-	-	-	-	-
Biomass		30	27	30	21	40	36
Industrial wastes		-	-	-	14	-	-
Total net generation		7 598	9 101	9 232	9 114	8 728	10 954
<b>Imports and exports</b>							
Total imports		412	93	347	345	251	345
Total exports		1 102	1 989	2 141	1 953	1 001	2 765
<b>Consumption and losses</b>							
Consumption of the energy branch		1 308	1 498	1 506	1 471	1 431	1 640
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		1 257	1 192	1 112	1 103	1 077	1 354
Final energy consumption		5 272	5 573	5 892	6 023	6 473	6 776
<i>of which:</i>							
Industry		1 883	2 031	2 135	2 161	2 332	2 384
<i>among which:</i>							
Iron&steel industry		4	4	3	5	6	5
Non-ferrous metals		3	4	3	7	7	9
Chemical industry		282	305	329	355	359	319
Non-met. mineral prod.		172	194	196	203	215	261
Food, drink, tobacco		292	289	300	304	294	315
Pulp, paper and print		130	127	136	140	267	345
Engineering & metal		196	224	242	252	269	278
Other industries		550	612	646	680	700	682
Transport		97	97	99	103	83	77
Services & households etc.		3 292	3 445	3 658	3 759	4 058	4 315
<i>among which:</i>							
Households		1 584	1 594	1 618	1 620	1 675	1 773

### 3.2 Electrical capacity, fuel inputs and heat

		EESTI					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	2 183	2 169	2 387	2 290	2 288	2 760
<b>by source:</b>							
Conventional thermal		2 180	2 165	2 375	2 254	2 251	2 697
<i>of which:</i>							
Steam		2 169	2 152	2 361	2 236	2 234	2 678
Gas turbine		-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-
Internal combustion		11	13	14	18	17	19
Nuclear		-	-	-	-	-	-
Hydro		3	4	4	5	5	5
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	8	31	32	58
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		2 160	2 146	2 360	2 262	2 264	2 728
Autoproducers		24	25	27	27	24	32
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	2 323	2 658	2 960	2 597	2 418	2 916
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		2 077	2 416	2 731	2 352	2 165	2 702
Petroleum products		10	11	11	10	8	11
Natural gas		152	146	139	150	147	94
Renewables		5	5	5	8	7	10
Heating plants		489	478	475	495	483	493
<i>among which:</i>							
Hard coal		4	3	3	3	3	2
Lignite and peat		44	113	29	25	39	40
Petroleum products		102	81	73	77	63	48
Natural gas		229	190	256	263	266	312
Renewables		101	89	107	125	111	91
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	644	611	644	656	645	622
<i>among which: in heating plants</i>							
		402	365	409	428	423	434
Heat consumption		514	490	522	547	539	520
<i>of which: in industry</i>							
		45	42	56	60	63	57
<i>in households and services</i>							
		469	448	466	488	476	464
<i>among which: in households</i>							
		393	373	371	377	374	362

## 4.1 Crude oil and feedstocks

	EESTI					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Refinery intake	-	-	-	-	-	-
<b>Imports of Crude Oil by origin</b>						
<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

	EESTI					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	-	-	-	-	-	-
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Total imports	991	949	1 085	1 064	1 229	1 371
Total exports	-	-	-	-	-	-
Bunkers	120	114	153	122	217	253
Stock changes	21	33	7	11	-68	-52
Gross inland consumption	1 022	1 021	1 077	1 100	1 084	1 136
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
Norway	10	8	8	20	-	14
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	309	296	290	301	323	342
Kerosene and jet fuel	19	20	27	41	31	51
Gas/diesel oil	456	504	599	586	632	696
Residual fuel oil	129	86	112	88	181	232
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	10	11	11	10	8	11
Inputs to heating plants	105	84	76	80	66	50
Non-energy use	68	38	52	44	58	40
Final energy consumption	824	809	913	941	939	1 009
Industry						
<i>among which by product:</i>						
Gas/diesel oil	19	62	53	50	46	61
Residual fuel oil	50	24	45	41	32	19

	EESTI					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Industry</b>						
<i>among which by sector:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	1	2	1	1	2	2
Non-met. mineral prod.	3	6	6	5	3	5
Food, drink, tobacco	32	14	26	23	17	15
Pulp, paper and print	1	10	1	1	1	1
Engineering & metal	3	7	8	7	8	9
Other industries	27	49	52	48	41	39
<b>Transport</b>	642	615	680	737	766	830
<i>among which:</i>						
Motor spirit	306	293	282	294	310	322
Jet fuel	19	18	27	41	28	49
Diesel oil	317	304	371	402	428	459
<b>Services &amp; households etc.</b>	110	96	132	110	91	96
<i>among which:</i>						
Gas oil	59	76	111	100	83	89
Residual fuel oil	46	13	12	5	4	2
<b>Stocks at end of period</b>						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	120	100	93	82	137	189

## 5. Natural gas

<i>in TJ (GCV)</i>	EESTI					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	27 714	31 635	36 032	37 201	37 595	37 372
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	27 714	31 635	36 032	37 201	37 595	37 372
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	27 714	31 635	36 032	37 201	37 595	37 372
<b>Consumption</b>						
Inputs to electricity plants	7 091	6 770	6 472	6 972	6 857	4 387
Inputs to heat plants	10 645	8 855	11 921	12 241	12 353	14 522
Consumption of energy branch	257	376	298	288	222	515
Distribution losses	-	-	-	-	-	-
Non-energy use	1 326	3 965	7 668	8 068	8 011	7 713
Industry	4 212	6 690	4 873	5 089	5 406	5 694
<i>among which:</i>						
Iron&steel industry	7	10	10	25	25	9
Non-ferrous metals	25	4	31	20	19	72
Chemical industry	56	73	116	125	73	31
Non-met. mineral prod.	735	1 902	920	860	928	998
Food, drink, tobacco	1 235	1 184	1 044	1 279	1 248	1 270
Pulp, paper and print	637	885	849	649	837	914
Engineering & metal	229	483	270	438	441	479
Other industries	743	983	916	1 006	1 183	1 243
Transport	-	-	-	-	-	-
Services & households etc.	4 183	4 979	4 800	4 543	4 746	4 541
<i>among which:</i>						
Households	1 714	1 737	1 795	2 092	2 124	2 273
Services	2 280	2 987	2 723	2 151	2 291	1 942

## 6.1 Hard coal

	EESTI					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	60	57	44	54	95	176
Total exports	-	-	-	-	-	-
Stock changes	1	-13	14	2	-25	-46
Gross inland consumption	61	44	58	56	70	130
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	59	57	44	54	95	176
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants						
Inputs to heat plants	6	5	4	4	4	3
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	1
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	13	8	9	9	35	108
Food, drink, tobacco	1	1	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	1	1	1	1	1	-
Other industries	-	-	2	1	-	-
Services & households etc.	39	28	41	40	29	18



## 6.2 Coal derivatives and peat

		EESTI					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		30	30	35	37	33	40
Patent Fuel		-	-	-	-	-	-
Lignite and peat		13 082	15 254	14 272	14 969	14 602	17 019
Brown coal briquettes		128	120	68	68	101	128
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		4 642	5 898	4 471	4 456	5 053	5 526
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1	1	-	-	-	-
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		206	175	216	287	225	304
<i>among which:</i>							
Industry		202	172	211	285	224	304
Services & households		4	3	5	2	1	-
Brown coal briquettes		18	18	14	13	10	12
<i>among which:</i>							
Industry		-	1	-	-	-	-
Services & households		18	17	14	13	10	12
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	1 065	-	-	-	404
Inputs to electricity plants		3 669	3 785	3 441	3 601	4 211	4 618
Inputs to heat plants		396	90	333	109	109	-
Consumption of energy branch		567	947	697	746	733	504
Consumption in industry		-	1 065	-	-	-	404

## 7. Renewable energy sources

	EESTI						
	2002	2003	2004	2005	2006	2007	
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	568	667	681	692	645	745
Hydro (excl. pumping)		1	1	2	2	1	2
Wind		0	1	1	5	7	8
Solar		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Biomass		567	665	678	686	637	735
<i>among which:</i>							
Wood, wood-waste		565	663	676	682	633	731
Municipal solid waste		-	-	-	-	-	-
Biogas		2	3	2	4	4	4
Gross inland consumption		548	577	600	589	531	602
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		106	94	112	132	118	101
<i>among which:</i>							
Wood, wood-waste		104	92	110	129	114	98
Municipal waste		-	-	-	-	-	-
Biogas		2	3	2	3	3	3
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	442	481	483	447	404	489
<i>by sector:</i>							
Industry		114	119	120	131	84	85
Services & households etc.		328	361	364	317	320	404
Transport		-	-	-	-	-	-
<i>by source:</i>							
Biomass		442	481	483	447	404	489
<i>among which:</i>							
Wood, wood-waste		442	481	483	447	404	488
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	1	1	1
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		6	13	22	22	14	22
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		23	21	23	21	25	24
Municipal waste		-	-	-	-	-	-
Biogas		-	-	7	14	13	12

	EESTI					
	2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>						
	<i>in MW</i>					
Solar photovoltaics (peak)	-	-	-	-	-	-
Hydro with installed capacity < 1 MW	3	4	4	5	5	5
Hydro with installed capacity > 1 & <10 MW	-	-	-	-	-	-
Hydro with installed capacity > 10 MW	-	-	-	-	-	-
Wood, Wood-waste	5	10	10	10	10	10
Municipal waste	-	-	-	-	-	-
Biogas	1	1	1	2	2	2
<b>Liquid biofuels</b>						
Production	<i>1000 t</i>					
	-	-	-	-	-	-
<b>Solar Panels</b>						
Solar panel surface	<i>1000 m<sup>2</sup></i>					
	-	-	-	-	-	-



## 1. Energy economy Key figures and energy indicators

		ÉIRE/IRELAND					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	1 545	1 866	1 881	1 616	1 597	1 408
Net energy imports		13 742	13 578	13 865	13 661	14 222	14 120
Net oil imports		8 841	8 594	8 845	8 503	8 749	8 572
Net gas imports		3 001	3 133	2 960	3 010	3 602	3 916
Gross inland energy consumption		15 303	15 025	15 846	15 127	15 523	15 883
Final energy consumption		11 206	11 463	11 817	12 463	13 070	13 213
Industry		2 290	2 236	2 366	2 595	2 786	2 574
Transport		4 398	4 440	4 614	4 997	5 373	5 742
Services and households etc.		4 518	4 787	4 838	4 871	4 911	4 897
Gross electricity generation	GWh	25 217	25 225	25 575	25 357	27 480	28 226
Final electricity consumption		21 769	23 033	23 058	24 352	25 879	25 862
<b>Socio-economic statistics</b>							
Population	1000 per.	3 900	3 964	4 028	4 109	4 209	4 313
Total imports (current prices)	Mio EUR	99 919	94 313	102 382	112 692	122 532	130 975
among which:							
All energy commodities		1 862	1 839	2 669	3 769	4 288	5 330
Oil products		1 465	1 470	2 137	3 064	3 411	4 095
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 924	3 791	3 934	3 681	3 688	3 683
Final energy consumption / capita		2 873	2 892	2 934	3 033	3 105	3 064
Household consumption / capita		669	688	702	706	727	675
Final electricity consumption / capita	kWh/cap.	5 582	5 811	5 725	5 926	6 148	5 997
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	88.9	89.4	86.7	89.7	90.9	88.3
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	73.2	76.3	74.6	82.4	84.2	83.2
Efficiency of thermal power stations		40.3	42.7	43.6	42.1	42.7	46.0

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	ÉIRE/IRELAND					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	1 545	1 866	1 881	1 616	1 597	1 408
<i>among which:</i> Hard coal	34	32	34	-	-	-
Lignite and peat	572	1 055	877	789	766	591
Crude oil	-	-	-	-	-	-
Natural Gas	678	544	688	461	411	369
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	78	51	54	54	62	57
Biomass	149	144	171	216	217	218
<b>Imports</b>						
Total	15 216	15 159	15 176	15 108	15 523	15 332
<i>among which:</i> Hard coal	1 844	1 740	1 919	1 963	1 721	1 498
Crude oil and feedstocks	3 380	3 295	2 937	3 305	3 222	3 428
Petroleum products	6 918	6 866	7 205	6 631	6 815	6 339
Natural Gas	3 001	3 133	2 960	3 010	3 602	3 916
Electricity	49	101	135	176	154	121
<b>Exports</b>						
Total	1 474	1 581	1 310	1 447	1 301	1 212
<i>among which:</i> Crude oil and feedstocks	88	86	-	-	-	-
Petroleum products	1 369	1 481	1 297	1 432	1 288	1 195
Natural gas	-	-	-	-	-	-
Electricity	5	1	-	-	1	7
<b>Gross inland consumption</b>						
Total	15 303	15 025	15 846	15 127	15 523	15 883
<i>among which:</i> Solid fuels	2 721	2 657	2 459	2 689	2 435	2 292
Crude oil and petrol. prod.	8 599	8 379	9 325	8 426	8 500	8 727
Natural gas	3 679	3 653	3 645	3 470	4 013	4 284
Nuclear Energy	-	-	-	-	-	-
Renewables	261	235	282	367	422	465
<b>Transformation input</b>						
Total	8 440	8 234	7 910	8 225	8 288	8 239
<i>among which:</i> Crude oil and feedstocks	3 235	3 252	3 047	3 343	3 168	3 399
Petroleum products	945	608	782	775	840	396
Hard coal	1 485	1 348	1 415	1 408	1 294	1 153
Lignite and peat	691	657	395	629	544	527
Renewables	19	19	25	30	30	33
<b>Transformation output</b>						
Total	5 337	5 339	5 075	5 257	5 492	5 536
<i>among which:</i> Electricity	2 026	2 048	2 058	2 001	2 130	2 171
Heat	-	-	-	-	-	-

		ÉIRE/IRELAND					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		11 206	11 463	11 817	12 463	13 070	13 213
<i>among which:</i>	Solid fuels	659	661	667	704	658	641
	Petroleum products	7 348	7 417	7 563	8 020	8 434	8 560
	Natural Gas	1 197	1 277	1 458	1 461	1 564	1 581
	Renewables	130	126	147	184	189	207
	Electricity	1 872	1 980	1 983	2 094	2 225	2 224
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		2 290	2 236	2 366	2 595	2 786	2 574
<i>among which:</i>	Solid fuels	126	129	148	164	134	140
	Petroleum Products	947	937	932	1 066	1 089	900
	Natural Gas	432	437	565	541	628	653
	Renewables	113	108	129	163	164	152
	Electricity	672	626	592	660	772	729
<b>Transport</b>							
Total		4 398	4 440	4 614	4 997	5 373	5 742
<i>among which:</i>	Motor spirit	1 667	1 665	1 711	1 801	1 974	1 915
	Diesel oil	1 926	1 988	2 153	2 331	2 491	2 756
	Jet fuel	782	764	724	836	864	1 019
	Electricity	2	2	4	5	8	4
<b>Services&amp;households</b>							
Total		4 518	4 787	4 838	4 871	4 911	4 897
<i>among which:</i>	Solid fuels	533	532	519	540	525	501
	Gas oil	1 075	1 076	1 034	1 065	1 011	1 035
	Natural Gas	765	841	893	919	936	927
	Renewables	17	18	18	20	23	34
	Electricity	1 198	1 353	1 386	1 429	1 446	1 490
	Heat	-	-	-	-	-	-

### 3.1 Electricity balance

	ÉIRE/IRELAND						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		25 217	25 225	25 575	25 357	27 480	28 226
<i>among which:</i>							
Hydro		1 264	956	984	975	1 088	1 016
Wind		388	454	655	1 112	1 622	1 958
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		23 565	23 815	23 936	23 270	24 770	25 252
<i>of which:</i>							
Hard coal		6 821	6 203	6 229	6 389	5 884	5 499
Lignite and peat		2 082	2 028	1 487	2 450	2 138	2 172
Petroleum products		3 751	2 476	3 234	3 340	2 712	1 983
Natural gas		10 829	13 038	12 894	10 961	13 907	15 463
Derived gases		-	-	-	-	-	-
Biomass		82	70	92	130	128	132
Industrial wastes		-	-	-	-	1	3
Total net generation		23 947	24 075	24 423	23 712	26 665	27 749
<b>Imports and exports</b>							
Total imports		565	1 176	1 574	2 045	1 787	1 412
Total exports		62	10	-	1	9	82
<b>Consumption and losses</b>							
Consumption of the energy branch		1 622	1 534	1 540	1 992	1 168	857
<i>of which:</i>							
Consumption for pumped-storage		182	193	198	186	208	197
Network losses		1 966	2 036	2 036	2 041	2 180	2 267
Final energy consumption		21 769	23 033	23 058	24 352	25 879	25 862
<i>of which:</i>							
Industry		7 814	7 276	6 886	7 673	8 976	8 476
<i>among which:</i>							
Iron&steel industry		22	12	12	12	12	-
Non-ferrous metals		413	385	364	406	501	782
Chemical industry		1 389	1 293	1 224	1 364	1 316	1 189
Non-met. mineral prod.		582	542	513	571	703	635
Food, drink, tobacco		1 889	1 759	1 665	1 855	2 198	1 986
Pulp, paper and print		322	300	284	316	408	369
Engineering & metal		1 582	1 481	1 401	1 563	1 855	1 723
Other industries		967	900	851	949	1 137	1 028
Transport		23	23	51	59	91	52
Services & households etc.		13 932	15 734	16 121	16 620	16 812	17 334
<i>among which:</i>							
Households		6 579	6 966	7 346	7 512	8 083	8 063



### 3.2 Electrical capacity, fuel inputs and heat

		ÉIRE/IRELAND					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	5 481	5 680	5 839	6 150	6 443	7 287
<b>by source:</b>							
Conventional thermal		4 760	4 899	4 929	5 132	5 171	5 905
<i>of which:</i>							
Steam		2 805	2 761	2 668	2 768	2 735	2 731
Gas turbine		434	541	649	804	882	862
Combined cycle		1 464	1 472	1 487	1 481	1 481	2 266
Internal combustion		52	52	52	64	68	16
Nuclear		-	-	-	-	-	-
Hydro		532	532	532	526	526	527
<i>among which:</i>							
Pumped storage		292	292	292	292	292	292
Wind		189	249	378	492	746	855
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		5 350	5 544	5 697	6 123	6 181	7 198
Autoproducers		131	136	142	145	262	289
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	5 022	4 796	4 726	4 747	4 984	4 718
<i>among which:</i>							
Hard coal		1 458	1 327	1 387	1 380	1 266	1 124
Lignite and peat		556	513	297	523	436	433
Petroleum products		924	586	770	775	840	396
Natural gas		2 065	2 351	2 247	2 040	2 412	2 731
Renewables		19	19	25	30	30	33
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
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

	ÉIRE/IRELAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	3 343	3 258	2 911	3 273	3 195	3 418
Total exports	87	85	-	-	-	-
Stock changes	-57	52	31	37	-51	-29
Refinery intake	3 200	3 215	3 020	3 311	3 141	3 389
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	-	80	-	-	163
Near and Middle East	-	-	-	-	-	-
Africa	-	-	80	-	-	163
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	80	-	-	163
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	1 970	2 124	1 959	2 500	2 692	1 959
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	ÉIRE/IRELAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	3 154	3 130	2 895	3 120	3 233	3 255
<i>among which:</i>						
Motor spirit	660	639	552	683	635	487
Kerosene and jet fuel	314	315	252	239	228	202
Naphtha	30	31	21	5	8	10
Gas/diesel oil	955	988	964	1 097	1 122	1 186
Residual fuel oil	1 047	1 005	966	948	1 101	1 250
Total imports	6 954	6 917	7 202	6 644	6 820	6 314
Total exports	1 400	1 512	1 324	1 460	1 325	1 243
Bunkers	149	171	150	104	124	111
Stock changes	-31	-95	583	-12	-69	299
Gross inland consumption	5 374	5 139	6 311	5 068	5 302	5 259
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	62	142	47	38	32	-
United Kingdom	5 775	5 713	6 212	5 788	5 757	5 616
Norway	607	522	391	198	277	157
OPEC	68	11	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	1 035	1 114	1 191	1 011	1 143	1 124
Kerosene and jet fuel	1 337	1 353	1 348	1 428	1 464	1 432
Gas/diesel oil	2 320	2 351	2 510	2 168	2 300	2 499
Residual fuel oil	1 497	1 177	1 318	1 145	1 085	601
Exports by product						
<i>among which:</i>						
Motor spirit	162	191	122	176	103	26
Kerosene and jet fuel	94	65	13	7	20	17
Gas/diesel oil	50	118	124	154	82	14
Residual fuel oil	1 037	1 080	942	1 013	1 062	1 156
<b>Consumption</b>						
Inputs to electricity plants	964	610	802	805	872	413
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	288	266	294	325	377	139
Final energy consumption	7 271	7 336	7 465	7 914	8 320	8 438
Industry						
<i>among which by product:</i>						
Gas/diesel oil	187	190	180	185	189	178
Residual fuel oil	391	360	372	489	505	283

	ÉIRE/IRELAND						
	in 1 000 t	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		5	4	-	-	-	2
Non-ferrous metals		200	182	189	353	365	192
Chemical industry		132	140	141	136	135	126
Non-met. mineral prod.		331	330	324	333	348	387
Food, drink, tobacco		159	159	151	146	137	111
Pulp, paper and print		9	9	10	7	11	7
Engineering & metal		67	69	69	56	54	28
Other industries		56	52	57	61	61	76
Transport		4 262	4 303	4 471	4 842	5 202	5 550
<i>among which:</i>							
Motor spirit		1 586	1 584	1 628	1 714	1 878	1 822
Jet fuel		761	744	705	814	841	992
Diesel oil		1 893	1 954	2 116	2 291	2 448	2 709
Services & households etc.		1 988	2 025	1 991	1 927	1 948	1 908
<i>among which:</i>							
Gas oil		1 057	1 058	1 016	1 047	994	1 017
Residual fuel oil		147	140	130	10	13	10
<b>Stocks at end of period</b>							
Crude oil and feedstocks		176	124	93	56	107	136
Petroleum products		1 403	1 531	948	1 590	1 668	1 326

## 5. Natural gas

	ÉIRE/IRELAND						
	<i>in TJ (GCV)</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		31 519	25 293	32 025	21 434	19 107	17 181
Total imports		139 612	145 769	137 683	140 007	167 581	182 153
Total exports		-	-	-	-	-	-
Stock changes		-	-1 145	-143	-37	-6	-50
Gross inland consumption		171 131	169 917	169 565	161 404	186 682	199 284
<b>Imports</b>							
Imports by origin							
<i>among which:</i>							
Algeria		-	-	-	-	-	-
Egypt		-	-	-	-	-	-
Libya		-	-	-	-	-	-
Nigeria		-	-	-	-	-	-
Norway		-	-	-	-	-	-
Oman		-	-	-	-	-	-
Qatar		-	-	-	-	-	-
Russia		-	-	-	-	-	-
<b>Consumption</b>							
Inputs to electricity plants		96 043	109 383	104 519	94 888	112 225	127 064
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-
Distribution losses		2 195	2 253	2 468	3 094	3 081	2 655
Non-energy use		16 354	6	-	-	-	-
Industry		20 075	20 310	26 286	25 186	29 221	30 400
<i>among which:</i>							
Iron&steel industry		32	44	44	-	-	-
Non-ferrous metals		-	-	632	606	6 358	7 393
Chemical industry		5 104	4 371	6 579	6 304	5 698	5 705
Non-met. mineral prod.		1 746	1 234	2 924	2 802	2 532	2 536
Food, drink, tobacco		6 735	9 039	9 336	8 945	8 085	8 096
Pulp, paper and print		-	-	1 205	1 155	1 044	1 045
Engineering & metal		-	-	2 732	2 618	3 012	3 130
Other industries		5 171	4 194	819	826	747	748
Transport		-	-	-	-	-	-
Services & households etc.		35 609	39 109	41 524	42 763	43 545	43 147
<i>among which:</i>							
Households		22 077	25 021	27 908	28 171	29 345	27 527
Services		13 532	14 088	13 616	14 592	14 200	15 620

## 6.1 Hard coal

<i>in 1 000 t</i>	ÉIRE/IRELAND					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	55	51	55	-	-	-
Total imports	2 871	2 616	2 886	2 952	2 589	2 253
Total exports	5	2	5	7	3	3
Stock changes	-82	117	-74	-70	4	134
Gross inland consumption	2 839	2 782	2 862	2 875	2 590	2 384
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	513	600	1 224	299	-	387
Colombia	872	454	1 244	1 013	1 090	322
Russia	-	-	-	-	-	-
South Africa	301	808	4	634	375	488
USA	334	222	-	-	-	73
<b>Consumption</b>						
Inputs to electricity plants	2 371	2 195	2 239	2 287	2 043	1 815
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	196	194	222	246	201	211
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	143	142	163	180	171	181
Food, drink, tobacco	29	29	33	36	20	21
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	11	11	12	14	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	334	364	357	365	355	335

## 6.2 Coal derivatives and peat

		ÉIRE/IRELAND					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		2 870	5 290	4 395	3 956	3 694	2 772
Brown coal briquettes		273	279	206	215	222	214
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		622	606	597	634	634	608
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		622	606	597	634	634	608
Brown coal briquettes		261	213	203	205	200	193
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		261	213	203	205	200	193
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	261	235	282	367	420	447
Hydro (excl. pumping)		78	51	54	54	62	57
Wind		33	39	56	96	139	168
Solar		0	0	0	0	1	1
Geothermal		0	0	0	0	1	2
Biomass		149	144	171	216	217	218
	<i>among which:</i>						
Wood, wood-waste		125	119	141	180	181	169
Municipal solid waste		-	-	-	-	-	-
Biogas		23	25	30	34	32	33
Gross inland consumption		261	235	282	367	422	465
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		19	19	25	30	30	33
	<i>among which:</i>						
Wood, wood-waste		-	-	2	2	2	3
Municipal waste		-	-	-	-	-	-
Biogas		19	19	22	27	28	30
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	130	126	147	184	189	207
	<i>by sector:</i>						
Industry		113	108	129	163	164	152
Services & households etc.		17	18	18	20	23	34
Transport		-	-	-	1	2	21
	<i>by source:</i>						
Biomass		130	126	146	184	187	204
	<i>among which:</i>						
Wood, wood-waste		125	119	139	176	181	179
Municipal waste		-	-	-	-	-	-
Biogas		4	7	7	7	4	4
Geothermal		0	0	0	0	1	2
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		31	26	29	49	44	36
Hydro with installed capacity > 1 & <10 MW		24	57	71	54	63	58
Hydro with installed capacity > 10 MW		857	515	530	529	618	572
Wood, Wood-waste		-	-	8	8	8	13
Municipal waste		-	-	-	-	-	-
Biogas		82	86	101	122	121	119



		ÉIRE/IRELAND					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		9	11	11	18	18	18
Hydro with installed capacity > 1 & <10 MW		7	23	27	20	20	20
Hydro with installed capacity > 10 MW		222	206	202	196	196	196
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		19	15	15	18	25	27
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	1	4	18
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	5	6	8	13	15	34



## 1. Energy economy Key figures and energy indicators

		ELLÁDA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	10 539	9 887	10 264	10 291	10 050	12 172
Net energy imports		23 308	22 592	24 708	23 448	24 853	24 705
Net oil imports		20 679	19 989	21 828	20 419	21 544	20 630
Net gas imports		1 755	2 002	2 174	2 332	2 721	3 335
Gross inland energy consumption		29 856	30 307	30 773	31 352	31 509	33 488
Final energy consumption		19 546	20 530	20 297	20 800	21 454	21 957
Industry		4 468	4 315	4 054	4 143	4 213	4 587
Transport		7 476	7 818	7 977	8 085	8 502	8 810
Services and households etc.		7 603	8 398	8 266	8 572	8 740	8 561
Gross electricity generation	GWh	54 608	58 471	59 346	60 020	60 789	63 497
Final electricity consumption		46 564	48 598	49 738	50 904	52 524	55 191
<b>Socio-economic statistics</b>							
Population	1000 per.	10 969	11 006	11 041	11 083	11 125	11 172
Total imports (current prices)	Mio EUR	54 221	56 498	59 408	61 099	69 554	76 444
among which:							
All energy commodities		4 522	5 437	5 383	7 888	9 713	8 398
Oil products		4 151	4 991	4 906	7 249	8 791	7 477
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	2 722	2 754	2 787	2 829	2 832	2 998
Final energy consumption / capita		1 782	1 865	1 838	1 877	1 928	1 965
Household consumption / capita		448	498	487	495	493	477
Final electricity consumption / capita	kWh/cap.	4 245	4 415	4 505	4 593	4 721	4 940
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	70.7	67.5	72.7	68.6	71.9	67.3
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	65.5	67.7	66.0	66.3	68.1	65.6
Efficiency of thermal power stations		35.5	37.7	37.9	37.2	38.2	34.0

## 2. Energy balance

### Principal aggregates by product

	ELLÁDA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	10 539	9 887	10 264	10 291	10 050	12 172
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	8 914	8 176	8 547	8 538	8 137	10 392
Crude oil	190	138	134	101	95	82
Natural Gas	42	31	29	18	26	22
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	241	410	402	431	520	223
Biomass	996	945	954	990	1 006	1 123
<b>Imports</b>						
Total	27 685	28 791	30 627	29 550	32 109	32 373
<i>among which:</i> Hard coal	644	485	498	395	237	372
Crude oil and feedstocks	20 733	21 219	21 743	20 367	22 609	22 976
Petroleum products	4 156	4 723	5 792	5 970	6 010	5 135
Natural Gas	1 755	2 002	2 174	2 332	2 721	3 335
Electricity	396	358	417	483	528	551
<b>Exports</b>						
Total	4 377	6 199	5 919	6 103	7 256	7 669
<i>among which:</i> Crude oil and feedstocks	389	1 110	816	924	1 062	1 064
Petroleum products	3 821	4 843	4 891	4 994	6 014	6 418
Natural gas	-	-	-	-	-	-
Electricity	147	179	175	158	167	177
<b>Gross inland consumption</b>						
Total	29 856	30 307	30 773	31 352	31 509	33 488
<i>among which:</i> Solid fuels	9 319	8 906	9 101	8 952	8 392	10 839
Crude oil and petrol. prod.	17 057	17 619	17 612	18 063	18 207	17 240
Natural gas	1 801	2 026	2 229	2 354	2 747	3 350
Nuclear Energy	-	-	-	-	-	-
Renewables	1 393	1 543	1 554	1 634	1 796	1 679
<b>Transformation input</b>						
Total	33 918	34 441	33 468	34 008	34 635	38 364
<i>among which:</i> Crude oil and feedstocks	21 563	22 371	21 215	21 510	22 600	23 462
Petroleum products	2 033	2 065	1 914	2 055	2 080	2 077
Hard coal	6	25	-	-	-	1
Lignite and peat	8 880	8 427	8 667	8 782	8 031	10 332
Renewables	47	31	33	28	27	33
<b>Transformation output</b>						
Total	25 900	26 857	25 788	26 087	27 061	28 434
<i>among which:</i> Electricity	4 342	4 481	4 559	4 569	4 524	5 013
Heat	28	46	43	49	56	41

		ELLÁDA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		19 546	20 530	20 297	20 800	21 454	21 957
<i>among which:</i>	Solid fuels	746	603	559	446	402	532
	Petroleum products	13 374	14 303	13 933	14 278	14 691	14 667
	Natural Gas	345	385	461	585	686	705
	Renewables	1 050	1 014	1 023	1 066	1 103	1 267
	Electricity	4 004	4 179	4 277	4 377	4 516	4 746
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		4 468	4 315	4 054	4 143	4 213	4 587
<i>among which:</i>	Solid fuels	721	597	553	435	394	530
	Petroleum Products	1 976	1 970	1 718	1 798	1 938	2 094
	Natural Gas	309	328	373	426	445	409
	Renewables	246	202	207	244	219	235
	Electricity	1 215	1 217	1 203	1 240	1 217	1 318
<b>Transport</b>							
Total		7 476	7 818	7 977	8 085	8 502	8 810
<i>among which:</i>	Motor spirit	3 671	3 836	3 920	4 086	4 131	4 317
	Diesel oil	2 335	2 484	2 448	2 465	2 643	2 713
	Jet fuel	1 154	1 162	1 208	1 181	1 295	1 312
	Electricity	19	20	20	17	19	22
<b>Services&amp;households</b>							
Total		7 603	8 398	8 266	8 572	8 740	8 561
<i>among which:</i>	Solid fuels	25	6	6	10	8	2
	Gas oil	3 783	4 386	4 071	4 234	4 129	3 698
	Natural Gas	27	46	78	147	229	282
	Renewables	804	812	816	822	838	946
	Electricity	2 770	2 941	3 054	3 120	3 280	3 406
	Heat	28	46	43	49	56	41

### 3.1 Electricity balance

	ELLÁDA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		54 608	58 471	59 346	60 020	60 789	63 497
<i>among which:</i>							
Hydro		3 463	5 332	5 205	5 610	6 475	3 376
Wind		651	1 021	1 121	1 266	1 699	1 818
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		50 494	52 118	53 019	53 143	52 614	58 302
<i>of which:</i>							
Hard coal		20	78	-	-	-	-
Lignite and peat		34 546	35 092	35 380	35 543	32 264	34 676
Petroleum products		8 633	8 707	8 385	9 207	9 601	9 643
Natural gas		7 061	7 995	8 991	8 171	10 610	13 774
Derived gases		-	-	-	-	-	-
Biomass		126	105	123	122	114	184
Industrial wastes		108	141	140	100	25	25
Total net generation		50 608	54 337	54 888	55 739	56 546	59 087
<b>Imports and exports</b>							
Total imports		4 602	4 169	4 854	5 616	6 140	6 412
Total exports		1 706	2 076	2 034	1 836	1 938	2 057
<b>Consumption and losses</b>							
Consumption of the energy branch		6 263	6 447	6 697	6 705	6 758	7 019
<i>of which:</i>							
Consumption for pumped-storage		283	241	225	248	183	337
Network losses		4 014	4 953	5 199	5 598	5 100	4 860
Final energy consumption		46 564	48 598	49 738	50 904	52 524	55 191
<i>of which:</i>							
Industry		14 130	14 156	13 987	14 419	14 156	15 328
<i>among which:</i>							
Iron&steel industry		1 416	1 550	1 506	1 683	1 776	1 985p
Non-ferrous metals		3 929	3 752	4 237	4 615	4 111	4 595p
Chemical industry		1 154	627	524	569	529	98
Non-met. mineral prod.		2 049	2 072	2 240	2 407	2 311	2 583p
Food, drink, tobacco		1 285	1 875	1 899	1 896	2 006	2 242p
Pulp, paper and print		473	576	584	543	583	652p
Engineering & metal		808	1 052	720	691	721	806p
Other industries		1 775	1 550	1 042	992	1 061	1 186p
Transport		222	237	238	199	217	251
Services & households etc.		32 212	34 205	35 513	36 286	38 151	39 612
<i>among which:</i>							
Households		15 775	16 444	16 852	16 875	17 676	17 957

## 3.2 Electrical capacity, fuel inputs and heat

		ELLÁDA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	11 553	12 078	12 430	13 304	13 566	13 677
<b>by source:</b>							
Conventional thermal		8 188	8 628	8 861	9 708	9 682	9 681
<i>of which:</i>							
Steam		5 826	6 123	6 111	6 104	6 083	6 094
Gas turbine		434	466	481	523	519	504
Combined cycle		1 391	1 386	1 541	2 306	2 305	2 293
Internal combustion		537	632	728	775	775	790
Nuclear		-	-	-	-	-	-
Hydro		3 078	3 079	3 099	3 105	3 135	3 150
<i>among which:</i>							
Pumped storage		699	699	699	699	699	699
Wind		287	371	470	491	749	846
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		11 356	11 842	12 179	13 048	13 329	13 526
Autoproducers		218	237	257	257	242	183
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	12 312	12 018	12 154	12 405	11 975	14 864
<i>among which:</i>							
Hard coal		6	25	-	-	-	1
Lignite and peat		8 836	8 374	8 569	8 689	7 971	10 293
Petroleum products		2 033	2 065	1 914	2 055	2 080	2 077
Natural gas		1 348	1 484	1 599	1 605	1 889	2 453
Renewables		47	31	33	28	27	33
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	28	46	43	49	56	41
<i>among which: in heating plants</i>		-	-	-	-	-	-
Heat consumption		28	46	43	49	56	41
<i>of which: in industry</i>		-	-	-	-	-	-
in households and services		28	46	43	49	56	41
<i>among which: in households</i>		28	46	43	49	56	41

## 4.1 Crude oil and feedstocks

	ELLÁDA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	189	137	133	100	94	81
Total imports	20 605	21 102	21 619	20 219	22 421	22 786
Total exports	387	1 105	812	918	1 054	1 056
Stock changes	-311	436	-1 042	786	-28	-229
Refinery intake	21 416	22 230	21 083	21 344	22 405	23 256
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	9 686	11 693	14 434	12 615	13 024	12 709
Near and Middle East	8 748	10 681	13 138	11 275	10 762	10 293
Africa	1 234	1 371	1 337	1 340	2 262	2 416
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	927	253	255	113	-	188
Iran	2 693	4 244	6 592	5 348	5 944	6 731
Kazakhstan	56	-	-	48	1 353	1 185
Kuwait	-	-	-	-	-	-
Libya	938	989	1 240	1 283	2 222	2 291
Mexico	-	-	-	-	-	-
Nigeria	-	23	56	57	40	125
Norway	-	-	-	-	-	-
Russia	9 078	7 654	5 822	6 036	5 379	6 435
Saudi Arabia	5 128	6 184	6 291	5 814	4 818	3 374
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-



## 4.2 Petroleum products

	ELLÁDA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	21 319	22 113	20 991	21 240	22 245	23 141
<i>among which:</i>						
Motor spirit	3 802	3 653	3 629	4 058	4 327	4 318
Kerosene and jet fuel	1 731	1 649	1 749	1 778	1 457	1 745
Naphtha	795	1 037	960	678	726	843
Gas/diesel oil	5 624	6 053	5 369	5 653	6 452	6 656
Residual fuel oil	7 188	7 456	7 095	6 956	6 953	7 116
Total imports	4 200	4 751	5 800	6 001	6 032	5 301
Total exports	3 723	4 728	4 782	4 881	5 892	6 298
Bunkers	3 222	3 297	3 332	2 949	3 184	3 322
Stock changes	-505	137	-66	-399	-313	-76
Gross inland consumption	-3 110	-3 050	-2 380	-2 228	-3 357	-4 395
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	136	89	110	29	11	241
United Kingdom	59	31	44	2	58	3
Norway	-	-	-	-	-	-
OPEC	358	523	641	1 519	847	1 113
Imports by product						
<i>among which:</i>						
Motor spirit	514	749	1 059	1 023	1 002	609
Kerosene and jet fuel	31	295	240	292	447	401
Gas/diesel oil	2 993	3 003	3 672	3 757	3 591	2 629
Residual fuel oil	36	184	171	264	389	677
Exports by product						
<i>among which:</i>						
Motor spirit	809	942	1 216	1 261	1 351	1 373
Kerosene and jet fuel	523	869	573	827	708	810
Gas/diesel oil	891	1 102	1 164	1 480	2 311	2 307
Residual fuel oil	564	649	748	604	835	979
<b>Consumption</b>						
Inputs to electricity plants	2 079	2 108	1 952	2 105	2 133	2 132
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	737	739	792	669	815	737
Final energy consumption	13 165	14 070	13 739	14 068	14 476	14 526
Industry	2 077	2 066	1 852	1 928	2 067	2 300
<i>among which by product:</i>						
Gas/diesel oil	500	550	227	439	486	435
Residual fuel oil	847	778	801	667	791	772

	ELLÁDA						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Industry</b>							
<i>among which by sector:</i>							
Iron&steel industry		53	54	25	5	6	6
Non-ferrous metals		277	279	269	211	231	224
Chemical industry		139	133	169	166	181	174
Non-met. mineral prod.		570	569	697	720	713	1 028
Food, drink, tobacco		270	291	216	155	174	168
Pulp, paper and print		97	98	59	55	63	61
Engineering & metal		34	30	26	27	30	30
Other industries		442	460	262	467	555	505
<b>Transport</b>		7 210	7 540	7 698	7 798	8 160	8 413
<i>among which:</i>							
Motor spirit		3 493	3 650	3 730	3 888	3 931	4 108
Jet fuel		1 124	1 131	1 176	1 150	1 261	1 277
Diesel oil		2 295	2 441	2 406	2 423	2 598	2 666
<b>Services &amp; households etc.</b>		3 878	4 464	4 189	4 342	4 249	3 813
<i>among which:</i>							
Gas oil		3 718	4 311	4 001	4 161	4 058	3 634
Residual fuel oil		35	36	44	47	60	59
<b>Stocks at end of period</b>							
Crude oil and feedstocks		1 996	1 560	2 602	1 816	1 844	2 073
Petroleum products		2 526	2 389	2 455	2 854	3 168	3 244

## 5. Natural gas

<i>in TJ (GCV)</i>	ELLÁDA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	1 973	1 442	1 337	851	1 209	1 026
Total imports	81 622	93 138	101 125	108 495	126 604	155 138
Total exports	-	-	-	-	-	-
Stock changes	192	-319	1 220	141	-11	-336
Gross inland consumption	83 787	94 261	103 682	109 487	127 802	155 828
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	20 367	22 528	18 601	17 788	24 098	36 319
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	61 255	70 610	82 524	90 707	102 506	118 819
<b>Consumption</b>						
Inputs to electricity plants	62 699	69 017	74 390	74 679	87 877	114 104
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	1 624	1 479	1 706	1 437	1 501	1 502
Distribution losses	27	64	235	331	393	305
Non-energy use	3 369	5 750	6 106	5 959	6 030	6 379
Industry	14 376	15 281	17 336	19 801	20 690	19 012
<i>among which:</i>						
Iron&steel industry	3 069	2 751	3 057	3 252	3 166	3 639
Non-ferrous metals	1 858	2 407	2 510	2 946	2 372	2 649
Chemical industry	778	1 001	1 332	2 462	2 006	1 838
Non-met. mineral prod.	3 145	2 773	3 078	3 198	4 316	3 887
Food, drink, tobacco	2 520	3 191	3 818	5 074	5 840	3 425
Pulp, paper and print	1 151	1 289	1 445	1 245	1 557	1 393
Engineering & metal	55	66	95	75	87	139
Other industries	547	404	619	653	529	802
Transport	449	495	493	552	582	667
Services & households etc.	1 243	2 157	3 636	6 840	10 648	13 099
<i>among which:</i>						
Households	398	870	1 612	3 406	6 480	8 216
Services	845	1 287	2 024	3 434	4 168	4 883

## 6.1 Hard coal

<i>in 1 000 t</i>	ELLÁDA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	991	747	814	646	383	605
Total exports	8	60	22	13	10	16
Stock changes	-19	146	-16	-70	90	122
Gross inland consumption	964	833	776	563	463	711
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	71	72
Russia	400	244	546	380	225	412
South Africa	305	-	-	132	-	36
USA	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	10	39	-	-	-	1
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	952	791	772	560	461	708
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	160	160	147	131	91	135
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	792	631	625	429	370	571
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	2	3	4	3	2	2

## 6.2 Coal derivatives and peat

		ELLÁDA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		70 468	68 299	70 041	69 398	64 521	66 464
Brown coal briquettes		179	209	189	183	129	97
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		3	4	4	4	-	-
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		262	195	199	256	376	317
<i>among which:</i>							
Industry		262	195	195	224	345	313
Services & households		-	-	4	32	31	4
Brown coal briquettes		169	117	105	117	98	93
<i>among which:</i>							
Industry		105	107	97	113	98	93
Services & households		64	10	8	4	-	-
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	1 393	1 543	1 554	1 634	1 793	1 677
Hydro (excl. pumping)		241	410	402	431	520	223
Wind		56	88	96	109	146	156
Solar		99	99	101	102	109	160
Geothermal		1	1	1	1	11	14
Biomass		996	945	954	990	1 006	1 123
	<i>among which:</i>						
Wood, wood-waste		948	909	917	957	931	1 005
Municipal solid waste		-	-	-	-	-	-
Biogas		48	36	38	33	33	35
Gross inland consumption		1 393	1 543	1 554	1 634	1 796	1 679
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		47	31	33	28	27	33
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		47	31	33	28	27	33
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	1 050	1 014	1 023	1 066	1 103	1 267
	<i>by sector:</i>						
Industry		246	202	207	244	219	235
Services & households etc.		804	812	816	822	838	946
Transport		-	-	-	-	46	85
	<i>by source:</i>						
Biomass		949	915	921	962	983	1 093
	<i>among which:</i>						
Wood, wood-waste		948	909	917	957	931	1 005
Municipal waste		-	-	-	-	-	-
Biogas		2	5	5	5	6	3
Geothermal		1	1	1	1	11	14
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	1	1	1	1
Hydro with installed capacity < 1 MW		58	76	91	106	89	118
Hydro with installed capacity > 1 & <10 MW		92	169	212	218	299	177
Hydro with installed capacity > 10 MW		2 650	4 521	4 369	4 693	5 477	2 297
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		126	105	123	122	114	184

		ELLÁDA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		1	1	1	1	5	9
Hydro with installed capacity < 1 MW		17	19	23	26	21	37
Hydro with installed capacity > 1 & <10 MW		45	50	59	63	95	95
Hydro with installed capacity > 10 MW		2 317	2 311	2 318	2 318	2 319	2 319
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		22	22	24	24	24	39
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	48	92
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	2 942	2 935	2 994	3 047	3 296	3 573





## 1. Energy economy Key figures and energy indicators

		ESPAÑA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	31 567	32 782	32 399	30 127	31 147	30 180
Net energy imports		108 012	109 080	115 282	123 972	124 030	123 337
Net oil imports		74 246	75 025	76 753	79 421	79 158	78 893
Net gas imports		18 929	21 168	24 615	30 248	31 647	31 504
Gross inland energy consumption		130 808	135 308	141 480	144 588	144 037	146 812
Final energy consumption		85 623p	90 661p	94 522p	97 455p	96 167p	98 703p
Industry		28 165p	29 777p	30 724p	31 097p	25 891p	26 702p
Transport		35 000p	36 856	38 498	39 609	40 763p	42 096p
Services and households etc.		22 458p	24 029	25 300	26 748p	29 514	29 906
Gross electricity generation	GWh	246 079	262 860	280 007	294 040	299 460	303 293
Final electricity consumption		206 535	219 988	230 669	242 181	256 585	260 073
<b>Socio-economic statistics</b>							
Population	1000 per.	40 964	41 664	42 345	43 038	43 758	44 475
Total imports (current prices)	Mio EUR	214 752	224 681	251 800	281 383	322 224	349 513
among which:							
All energy commodities		18 905	19 113	23 305	32 635	41 123	42 428
Oil products		14 164	14 583	18 067	25 034	31 512	32 834
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 193	3 248	3 341	3 360	3 292	3 301
Final energy consumption / capita		2 090	2 176	2 232	2 264	2 198	2 219
Household consumption / capita		313	331	340	352	361	358
Final electricity consumption / capita	kWh/cap.	5 042	5 280	5 447	5 627	5 864	5 848
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	78.5	76.7	77.6	81.3	81.5	79.5
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	65.5	67.0	66.8	67.4	66.8	67.2
Efficiency of thermal power stations		42.6	44.1	44.3	46.7	45.3	44.9

## 2. Energy balance

### Principal aggregates by product

	ESPAÑA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	31 567	32 782	32 399	30 127	31 147	30 180
<i>among which:</i> Hard coal	5 756	5 368	5 135	5 086	4 703	4 454
Lignite and peat	1 693	1 607	1 318	1 178	1 346	1 001
Crude oil	319	325	257	168	140	143
Natural Gas	467	197	310	144	63	80
Nuclear heat	16 255	15 961	16 407	14 842	15 510	14 214
Hydro-electricity	1 981	3 530	2 713	1 681	2 226	2 387
Biomass	4 297	4 700	4 852	5 131	5 064	5 390
<b>Imports</b>						
Total	115 123	117 197	124 962	133 751	135 722	136 597
<i>among which:</i> Hard coal	14 665	13 140	14 730	14 741	14 114	14 551
Crude oil and feedstocks	58 163	58 530	59 999	60 834	61 860	59 571
Petroleum products	22 149	23 391	24 804	26 958	27 214	29 988
Natural Gas	18 929	21 168	24 615	30 248	31 647	31 504
Electricity	1 075	819	697	878	782	754
<b>Exports</b>						
Total	7 111	8 117	9 679	9 779	11 692	13 260
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	6 066	6 897	8 051	8 371	9 916	10 666
Natural gas	-	-	-	-	-	-
Electricity	617	710	958	994	1 064	1 249
<b>Gross inland consumption</b>						
Total	130 808	135 308	141 480	144 588	144 037	146 812
<i>among which:</i> Solid fuels	21 686	20 164	21 096	20 698	17 875	20 155
Crude oil and petrol. prod.	66 580	68 397	70 093	70 610	70 316	70 790
Natural gas	18 751	21 353	25 172	29 844	31 233	31 855
Nuclear Energy	16 255	15 961	16 407	14 842	15 510	14 214
Renewables	7 076	9 324	8 972	8 709	9 384	10 292
<b>Transformation input</b>						
Total	108 108p	106 175	112 556	114 830	116 513	114 681
<i>among which:</i> Crude oil and feedstocks	58 970	58 739	60 612	61 490	62 591	60 974
Petroleum products	5 707p	4 937	5 213	5 311	4 551	4 218
Hard coal	19 523	18 148	19 135	19 044	16 849	18 394
Lignite and peat	1 544	1 391	1 561	1 178	1 357	1 021
Renewables	764	937	1 220	1 391	1 141	1 251
<b>Transformation output</b>						
Total	79 343p	78 594p	82 671p	85 127p	86 006p	84 305p
<i>among which:</i> Electricity	18 139	17 786	19 769	21 475	21 180	21 064
Heat	0p	0p	0p	0p	0p	0p

<i>in 1 000 toe</i>	ESPAÑA					
	2002	2003	2004	2005	2006	2007
<b>Final energy consumption</b>						
Total	85 623p	90 661p	94 522p	97 455p	96 167p	98 703p
<i>among which:</i> Solid fuels	1 801	1 833	1 870	1 782	1 573	1 819
Petroleum products	48 395p	50 404	52 362	53 054	53 048	54 115
Natural Gas	13 697	15 322	16 372	17 653p	15 158p	15 817p
Renewables	3 577	3 813	3 689	3 805	4 004	4 246
Electricity	17 759	18 916	19 834	20 824	22 062	22 362
<b>Final energy consumption by sector</b>						
<b>Industry</b>						
Total	28 165p	29 777p	30 724p	31 097p	25 891p	26 702p
<i>among which:</i> Solid fuels	1 734	1 751	1 702	1 593	1 332	1 600
Petroleum Products	6 387p	6 083	6 229	5 521	5 511	5 550
Natural Gas	10 349	11 626	12 348	13 286p	8 780	9 161
Renewables	1 346	1 521	1 358	1 370	1 589	1 588
Electricity	7 987	8 456	8 730	9 031	8 397	8 499
<b>Transport</b>						
Total	35 000p	36 856	38 498	39 609	40 763p	42 096p
<i>among which:</i> Motor spirit	8 638p	8 461	8 117	7 640	7 291	7 020
Diesel oil	21 200p	22 924	24 465	25 795	27 026	28 150
Jet fuel	4 294p	4 506	4 996	5 323	5 569	5 858
Electricity	412	441	450	461	339	344
<b>Services&amp;households</b>						
Total	22 458p	24 029	25 300	26 748p	29 514	29 906
<i>among which:</i> Solid fuels	67	82	167	189	242	219
Gas oil	5 075p	5 639	5 862	6 408	5 222	5 186
Natural Gas	3 347	3 696	4 024	4 367p	6 317	6 591
Renewables	2 111	2 119	2 156	2 176	2 244	2 271
Electricity	9 360	10 019	10 654	11 331	13 325	13 519
Heat	-	-	-	-	-	-

### 3.1 Electricity balance

	ESPAÑA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		246 079	262 860	280 007	294 040	299 460	303 293
<i>among which:</i>							
Hydro		26 388	43 897	34 439	23 023	29 831	30 807
Wind		8 704	12 075	15 601	21 219	23 297	27 509
Geothermal		-	-	-	-	-	-
Nuclear		63 016	61 875	63 606	57 539	60 126	55 103
Conventional thermal		147 941	144 972	166 305	192 218	186 081	189 365
<i>of which:</i>							
Hard coal		74 627	68 817	73 114	74 284	62 238	68 720
Lignite and peat		6 555	5 905	5 991	5 417	4 501	4 379
Petroleum products		28 593	24 002	23 839	24 420	23 829	18 508
Natural gas		32 386	39 368	55 460	79 011	90 570	92 509
Derived gases		1 275	1 233	1 217	1 066	1 239	1 290
Biomass		2 970	4 265	4 133	3 114	3 050	3 635
Industrial wastes		1 535	1 382	2 551	4 906	654	324
Total net generation		235 315	252 258	268 687	282 054	287 589	291 054
<b>Imports and exports</b>							
Total imports		12 504	9 520	8 111	10 212	9 093	8 773
Total exports		7 175	8 257	11 139	11 555	12 373	14 524
<b>Consumption and losses</b>							
Consumption of the energy branch		20 696	18 764	19 355	21 082	21 315	21 390
<i>of which:</i>							
Consumption for pumped-storage		3 606	1 835	1 720	2 890	1 320	1 305
Network losses		20 827	22 527	24 070	25 960	14 000	15 000
Final energy consumption		206 535	219 988	230 669	242 181	256 585	260 073
<i>of which:</i>							
Industry		92 890	98 345	101 525	105 036	97 662	98 846
<i>among which:</i>							
Iron&steel industry		16 228	17 157	17 210	18 370	16 799	17 002
Non-ferrous metals		10 484	10 884	11 572	10 271	10 537	10 665
Chemical industry		12 111	12 646	13 172	13 379	13 358	13 519
Non-met. mineral prod.		11 026	12 059	12 256	13 298	12 089	12 236
Food, drink, tobacco		9 183	10 051	10 641	11 512	10 526	10 654
Pulp, paper and print		6 898	7 307	7 663	7 873	7 573	7 665
Engineering & metal		10 489	10 940	11 331	11 737	10 547	10 675
Other industries		10 114	11 332	11 725	12 747	11 711	11 854
Transport		4 794	5 124	5 235	5 363	3 948	3 996
Services & households etc.		108 851	116 519	123 909	131 782	154 975	157 231
<i>among which:</i>							
Households		50 636	54 235	58 046	63 823	70 734	71 591

### 3.2 Electrical capacity, fuel inputs and heat

		ESPAÑA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	60 195	69 168	69 538	76 514	81 074	88 246
<b>by source:</b>							
Conventional thermal		29 941	37 310	35 477	40 799	43 659	47 412
<i>of which:</i>							
Steam		21 343	27 163	25 828p	29 701p	31 784p	34 516p
Gas turbine		1 755	2 010	1 912p	2 199p	2 353p	2 555p
Combined cycle		4 109	5 052	4 803p	5 524p	5 911p	6 420p
Internal combustion		2 734	3 085	2 934p	3 375p	3 611p	3 921p
Nuclear		7 577	7 581	7 577	7 577	7 365	7 365
Hydro		17 879	18 043	18 167	18 220	18 314	18 372
<i>among which:</i>							
Pumped storage		5 288	5 361	5 347	5 347	5 347	5 347
Wind		4 798	6 234	8 317	9 918	11 736	15 097
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		54 271	62 425	62 201p	62 947p	74 768p	82 414p
Autoproducers		5 924	6 481	6 481p	6 481p	6 481p	6 481p
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	29 855p	28 266	32 292	35 421	35 336	36 322
<i>among which:</i>							
Hard coal		17 007	15 444	16 339	16 463	14 224	15 716
Lignite and peat		1 544	1 391	1 561	1 178	1 357	1 021
Petroleum products		5 685p	4 852	5 191	5 249	4 493	4 159
Natural gas		4 501	5 327	7 701	10 798	13 797	13 877
Renewables		764	937	1 220	1 391	1 141	1 251
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	0p	0p	0p	0p	0p	0p
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		0p	0p	0p	0p	0p	0p
<i>of which: in industry</i>							
		0p	0p	0p	0p	0p	0p
<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					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	316	322	255	166	139	142
Total imports	57 694	57 998	59 452	60 243	61 225	59 009
Total exports	-	-	-	-	-	-
Stock changes	-374	-611	174	-98	-291	-35
Refinery intake	58 489	58 203	60 060	60 889	61 945	60 392
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	29 634	29 181	31 366	30 649	31 299	25 511
Near and Middle East	13 523	13 107	16 143	14 716	15 378	13 448
Africa	18 636	21 923	21 036	21 411	18 754	17 154
<i>by country of origin:</i>						
Algeria	1 058	1 502	2 009	2 082	1 512	395
Irak	2 352	1 528	5 150	2 912	3 292	3 254
Iran	3 272	4 264	3 469	4 929	5 189	4 512
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	6 469	7 621	7 179	6 176	5 534	4 898
Mexico	7 786	7 265	7 717	9 006	7 561	7 180
Nigeria	5 278	6 456	6 238	7 127	6 016	4 860
Norway	910	2 553	3 494	2 954	1 806	1 721
Russia	7 943	9 883	8 819	8 548	11 772	12 736
Saudi Arabia	6 750	6 994	6 867	6 331	6 489	5 468
Syria	1 149	321	657	544	408	80
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	ESPAÑA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	57 931	57 640	59 483	60 310	61 350	59 855
<i>among which:</i>						
Motor spirit	8 871	9 059	10 434	10 152	10 038	9 232
Kerosene and jet fuel	3 830	4 793	6 682	6 680	6 811	6 617
Naphtha	3 000	1 917	521	530	417	425
Gas/diesel oil	20 820	21 631	21 563	23 457	23 844	23 933
Residual fuel oil	12 122	10 130	9 125	9 019	9 245	9 340
Total imports	22 645	23 988	25 441	27 533	27 800	30 632
Total exports	5 926	6 802	7 970	8 258	9 840	10 714
Bunkers	7 059	7 191	7 419	8 142	8 501	8 698
Stock changes	-805	610	46	-1 020	-492	155
Gross inland consumption	8 855	10 605	10 098	10 113	8 967	11 375
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	926	766	1 189	1 197	1 305	1 590
United Kingdom	1 495	2 112	2 152	1 648	1 618	2 659
Norway	350	166	233	139	82	363
OPEC	4 552	4 221	4 006	4 264	6 377	6 178
Imports by product						
<i>among which:</i>						
Motor spirit	967	982	748	753	586	765
Kerosene and jet fuel	821	860	943	1 328	2 025	2 254
Gas/diesel oil	9 342	10 800	11 830	13 217	13 605	14 410
Residual fuel oil	3 718	3 499	3 940	4 162	3 558	3 379
Exports by product						
<i>among which:</i>						
Motor spirit	2 174	1 888	2 588	2 866	3 520	3 231
Kerosene and jet fuel	247	349	166	120	162	180
Gas/diesel oil	783	747	656	822	950	951
Residual fuel oil	328	992	1 431	1 461	2 029	2 904
<b>Consumption</b>						
Inputs to electricity plants	5 900p	5 036	5 423	5 538	4 647	4 319
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	8 667p	9 045	8 770	8 164	7 529	7 682
Final energy consumption	48 192p	50 069	52 056	52 613	52 767	53 748
Industry						
<i>among which by product:</i>						
Gas/diesel oil	1 184p	1 318	1 369	1 700	791	1 157
Residual fuel oil	1 873p	1 735	1 568	710	1 456	1 314

	ESPAÑA						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Industry</b>							
<i>among which by sector:</i>							
Iron&steel industry		525p	533	565	490	490	437
Non-ferrous metals		159p	151	145	91	334	137
Chemical industry		785p	731	771	619	619	606
Non-met. mineral prod.		2 970p	3 165	3 429	3 138	3 265	3 411
Food, drink, tobacco		653p	661	644	543	443	475
Pulp, paper and print		315p	289	280	192	256	264
Engineering & metal		438p	458	465	399	368	392
Other industries		480p	576	482	484	395	421
<b>Transport</b>		33 576p	35 326	36 930	37 935	39 233	40 330
<i>among which:</i>							
Motor spirit		8 219p	8 051	7 724	7 270	6 938	6 680
Jet fuel		4 181p	4 387	4 864	5 183	5 422	5 704
Diesel oil		20 836p	22 530	24 045	25 352	26 562	27 666
<b>Services &amp; households etc.</b>		7 296p	7 828	7 999	8 371	7 112	7 028
<i>among which:</i>							
Gas oil		4 988p	5 542	5 761	6 298	5 132	5 097
Residual fuel oil		463p	474	389	270	319	291
<b>Stocks at end of period</b>							
Crude oil and feedstocks		6 159	6 770	6 596	6 694	6 985	7 020
Petroleum products		10 727	10 117	10 071	11 091	11 583	11 428



## 5. Natural gas

<i>in TJ (GCV)</i>	ESPAÑA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	21 718	9 149	14 398	6 694	2 930	3 744
Total imports	880 596	984 756	1 145 112	1 407 156	1 472 224	1 465 575
Total exports	-	-	-	-	-	-
Stock changes	-30 009	-565	11 478	-25 505	-22 180	12 573
Gross inland consumption	872 305	993 340	1 170 988	1 388 345	1 452 974	1 481 892
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	514 858	565 396	587 007	609 182	471 929	546 332
Egypt	-	-	-	142 389	191 692	169 042
Libya	25 536	30 390	27 959	38 316	28 085	31 533
Nigeria	67 260	166 592	202 713	220 643	302 354	346 793
Norway	95 133	97 848	93 200	89 018	85 547	88 873
Oman	45 336	23 221	53 316	71 379	32 914	13 022
Qatar	87 952	80 414	160 170	195 713	212 971	178 299
Russia	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	209 401	247 807	358 255	502 323	641 857	645 556
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	80 034	83 509
Distribution losses	5 037	6 287	7 368	8 798	5 913	5 533
Non-energy use	20 704	21 914	20 477	22 320p	20 511	22 167
Industry	481 431	540 839	574 421	618 073p	408 432	426 165
<i>among which:</i>						
Iron&steel industry	49 062	57 588	71 667	52 002p	29 772	31 064
Non-ferrous metals	21 877	15 365	18 989	6 786p	6 578	6 864
Chemical industry	90 456	87 115	109 789	127 530p	122 231	127 538
Non-met. mineral prod.	122 969	166 947	143 590	172 060p	130 532	136 200
Food, drink, tobacco	65 166	60 398	59 146	48 726p	27 449	28 641
Pulp, paper and print	39 148	60 188	44 584	54 078p	30 343	31 660
Engineering & metal	36 940	48 831	49 075	38 688p	29 427	30 705
Other industries	30 365	21 596	55 329	90 845p	20 106	20 979
Transport	32	-	-	-	2 892p	3 017p
Services & households etc.	155 701	171 938	187 196	203 153p	293 849	306 610
<i>among which:</i>						
Households	116 871	136 792	140 062	147 041p	169 195	176 542
Services	36 471	15 230	14 221	38 500	108 662	113 381

## 6.1 Hard coal

	ESPAÑA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	13 308	12 583	12 334	11 894	11 575	11 002
Total imports	24 514	21 552	24 473	24 756	23 704	24 439
Total exports	17	-	-	-	-	872
Stock changes	-302	751	828	284	-2 697	1 896
Gross inland consumption	37 503	34 886	37 635	36 934	32 582	36 465
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	3 721	3 805	3 263	3 115	3 548	3 714
Colombia	1 622	1 478	972	1 938	1 535	2 308
Russia	2 368	1 926	3 285	4 235	3 609	2 705
South Africa	10 765	8 835	10 195	8 707	8 213	8 772
USA	1 904	1 479	2 007	1 500	1 422	1 362
<b>Consumption</b>						
Inputs to electricity plants	32 402	29 793	31 864	31 678	27 859	30 513
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	62	60	60	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	689	542	649	717	511	769
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	268	262	260	248	198	194
Non-met. mineral prod.	243	209	148	175	200	452
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	100	100	100	100	100	60
Services & households etc.	120	150	270	300	385	345

## 6.2 Coal derivatives and peat

		ESPAÑA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		2 627	2 494	2 839	2 662	2 839	2 742
Patent Fuel		-	-	-	-	-	-
Lignite and peat		8 726	7 979	8 147	7 587	6 872	6 180
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		22 258	22 368	21 857	21 110	21 675	21 475
Blast-furnace gas		20 583	17 562	17 845	18 172	16 460	18 169
Gasworks gas		1 520	1 599	1 779	1 931	1 797	1 968
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 356	1 409	1 317	1 109	1 095	970
<i>among which:</i>							
Iron & steel industry		1 123	1 050	1 120	967	973	789
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		7 057	7 308	7 935	5 483	5 597	6 015
Blast-furnace gas		8 288	7 118	7 350	6 947	6 292	6 771
Gasworks gas		1 520	1 599	1 779	1 931	1 797	1 968
Inputs to electricity plants		15 269	13 703	12 048	14 915	14 156	12 836
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		10 713	10 819	10 836	10 894	11 043	12 957
Consumption in industry		15 345	14 426	15 285	12 430	11 889	12 786

## 7. Renewable energy sources

		ESPAÑA					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	7 076	9 324	8 972	8 709	9 384	10 288
Hydro (excl. pumping)		1 981	3 530	2 713	1 681	2 226	2 387
Wind		748	1 038	1 341	1 825	2 003	2 365
Solar		43	48	58	65	83	137
Geothermal		8	8	8	8	8	8
Biomass		4 297	4 700	4 852	5 131	5 064	5 390
	<i>among which:</i>						
Wood, wood-waste		3 812	4 044	4 137	4 176	4 206	4 206
Municipal solid waste		195	227	244	379	504	618
Biogas		170	257	295	317	182	184
Gross inland consumption		7 076	9 324	8 972	8 709	9 384	10 292
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		764	937	1 220	1 391	1 141	1 249
	<i>among which:</i>						
Wood, wood-waste		428	482	709	732	518	511
Municipal waste		195	227	244	379	504	618
Biogas		141	228	266	280	119	120
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	3 577	3 813	3 689	3 805	4 004	4 246
	<i>by sector:</i>						
Industry		1 346	1 521	1 358	1 370	1 589	1 588
Services & households etc.		2 111	2 119	2 156	2 176	2 244	2 271
Transport		120	172	175	259	172	386
	<i>by source:</i>						
Biomass		3 529	3 760	3 628	3 736	3 923	4 145
	<i>among which:</i>						
Wood, wood-waste		3 380	3 559	3 424	3 441	3 688	3 695
Municipal waste		-	-	-	-	-	-
Biogas		29	29	29	36	63	64
Geothermal		8	8	8	8	8	8
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		30	41	56	41	125	501
Hydro with installed capacity < 1 MW		414	647	507	400	457	509
Hydro with installed capacity > 1 & <10 MW		3 614	4 699	4 536	3 577	3 549	3 700
Hydro with installed capacity > 10 MW		16 184	30 540	22 150	16 113	21 556	23 554
Wood, Wood-waste		1 831	2 116	2 214	1 578	1 570	1 553
Municipal waste		667	661	583	902	814	1 474
Biogas		472	758	825	623	666	608

		ESPAÑA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		20	27	37	37	175	638
Hydro with installed capacity < 1 MW		238	244	252	252	254	260
Hydro with installed capacity > 1 & <10 MW		1 414	1 445	1 536	1 536	1 565	1 577
Hydro with installed capacity > 10 MW		11 126	11 053	11 084	11 084	11 148	11 188
Wood, Wood-waste		285	331	344	344	391	396
Municipal waste		94	163	189	189	189	189
Biogas		73	125	141	141	160	165
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	187	257	228	339	242	522
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	515	610	689	797	948	1 198



## 1. Energy economy Key figures and energy indicators

		FRANCE					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	133 475	135 141	136 255	136 122	136 274	134 021
Net energy imports		137 477	138 857	141 485	144 346	141 749	137 548
Net oil imports		94 592	95 101	95 089	95 364	93 813	92 602
Net gas imports		36 741	37 535	38 669	40 720	39 469	37 131
Gross inland energy consumption		267 344	271 899	276 094	277 086	273 801	270 272
Final energy consumption		153 828	157 676	159 703	159 175	157 713	154 036
Industry		37 864	38 417	37 723	35 842	34 703	33 708
Transport		51 427	50 978	50 367	49 941	50 916	51 492
Services and households etc.		64 537	68 281	71 613	73 393	72 094	68 836
Gross electricity generation	GWh	559 197	566 944	574 274	576 165	574 558	569 841
Final electricity consumption		393 496	408 255	420 022	422 610	426 747	425 897
<b>Socio-economic statistics</b>							
Population	1000 per.	61 399	61 832	62 252	62 638	62 999	63 392
Total imports (current prices)	Mio EUR	393 405	391 583	425 122	464 642	506 546	537 646
among which:							
All energy commodities		29 398	31 081	37 813	51 894	60 771	60 443
Oil products		21 865	22 726	28 285	40 203	45 963	45 921
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	4 354	4 397	4 435	4 424	4 346	4 264
Final energy consumption / capita		2 505	2 550	2 565	2 541	2 503	2 430
Household consumption / capita		694	714	741	721	709	654
Final electricity consumption / capita	kWh/cap.	6 409	6 603	6 747	6 747	6 774	6 718
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	51.0	50.6	50.7	51.6	51.2	50.4
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	57.5	58.0	57.8	57.4	57.6	57.0
Efficiency of thermal power stations		35.0	35.7	35.5	34.4	33.6	33.5

## 2. Energy balance

### Principal aggregates by product

	FRANCE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	133 475	135 141	136 255	136 122	136 274	134 021
<i>among which:</i> Hard coal	889	1 037	99	-	-	-
Lignite and peat	62	4	-	-	-	-
Crude oil	1 341	1 431	1 388	1 248	1 119	1 031
Natural Gas	1 450	1 282	1 108	909	1 059	915
Nuclear heat	112 664	113 776	115 625	116 474	116 128	113 430
Hydro-electricity	5 257	5 133	5 193	4 496	4 872	5 048
Biomass	11 509	12 298	12 642	12 761	12 749	13 081
<b>Imports</b>						
Total	164 848	169 157	173 450	179 403	177 139	171 132
<i>among which:</i> Hard coal	12 133	11 214	12 806	12 993	13 346	12 235
Crude oil and feedstocks	81 536	87 042	86 600	85 605	83 468	82 968
Petroleum products	32 382	30 765	32 605	37 346	38 277	35 937
Natural Gas	37 495	38 436	39 928	41 624	40 148	37 909
Electricity	319	598	565	693	733	927
<b>Exports</b>						
Total	27 371	30 299	31 964	35 057	35 390	33 584
<i>among which:</i> Crude oil and feedstocks	-	63	102	76	33	10
Petroleum products	19 326	22 643	24 014	27 511	27 898	26 292
Natural gas	754	901	1 259	903	679	778
Electricity	6 942	6 309	5 888	5 880	6 179	5 812
<b>Gross inland consumption</b>						
Total	267 344	271 899	276 094	277 086	273 801	270 272
<i>among which:</i> Solid fuels	13 773	13 933	13 902	14 296	13 244	13 388
Crude oil and petrol. prod.	93 126	93 013	93 769	92 991	92 248	90 900
Natural gas	37 484	39 318	40 148	41 077	39 624	38 482
Nuclear Energy	112 664	113 776	115 625	116 474	116 128	113 430
Renewables	16 921	17 570	17 973	17 436	18 003	18 958
<b>Transformation input</b>						
Total	219 050	224 601	226 971	227 746	226 609	223 771
<i>among which:</i> Crude oil and feedstocks	86 414	90 268	90 717	88 526	88 967	88 341
Petroleum products	933	1 245	1 224	1 996	1 705	1 469
Hard coal	9 724	10 132	9 971	10 685	9 643	10 119
Lignite and peat	70	-	-	-	-	-
Renewables	1 989	2 057	2 183	2 263	2 177	2 256
<b>Transformation output</b>						
Total	133 690	138 088	138 969	137 577	137 719	136 334
<i>among which:</i> Electricity	42 345	43 137	43 688	44 558	43 889	43 130
Heat	-	-	-	-	-	-



		FRANCE					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		153 828	157 676	159 703	159 175	157 713	154 036
<i>among which:</i>	Solid fuels	5 010	4 917	4 879	5 148	5 285	5 045
	Petroleum products	73 714	74 151	74 388	73 352	72 274	69 968
	Natural Gas	30 556	32 160	32 758	32 753	31 709	30 185
	Renewables	9 651	10 345	10 545	10 594	10 765	11 304
	Electricity	33 835	35 104	36 115	36 338	36 694	36 621
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		37 864	38 417	37 723	35 842	34 703	33 708
<i>among which:</i>	Solid fuels	4 585	4 498	4 471	4 782	4 928	4 698
	Petroleum Products	6 333	6 433	6 717	6 700	6 295	6 037
	Natural Gas	12 863	13 386	12 149	9 716	9 268	8 942
	Renewables	1 555	1 593	1 623	1 655	1 681	1 716
	Electricity	11 466	11 508	11 744	11 999	11 545	11 401
<b>Transport</b>							
Total		51 427	50 978	50 367	49 941	50 916	51 492
<i>among which:</i>	Motor spirit	13 516	12 671	12 038	11 274	10 484	9 783
	Diesel oil	29 818	30 236	30 475	30 718	31 393	31 731
	Jet fuel	6 505	6 490	6 234	6 291	7 052	7 243
	Electricity	1 030	1 037	1 067	1 051	1 063	1 070
<b>Services&amp;households</b>							
Total		64 537	68 281	71 613	73 393	72 094	68 836
<i>among which:</i>	Solid fuels	425	420	408	366	357	347
	Gas oil	14 350	14 852	15 180	14 808	14 027	12 373
	Natural Gas	17 666	18 736	20 566	22 990	22 379	21 181
	Renewables	7 772	8 427	8 577	8 531	8 365	8 115
	Electricity	21 338	22 559	23 304	23 288	24 086	24 149
	Heat	-	-	-	-	-	-

### 3.1 Electricity balance

	FRANCE						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		559 197	566 944	574 274	576 165	574 558	569 841
<i>among which:</i>							
Hydro		66 454	64 872	65 588	56 991	61 940	64 181
Wind		269	391	596	963	2 189	4 052
Geothermal		-	-	-	-	-	-
Nuclear		436 760	441 070	448 241	451 529	450 191	439 730
Conventional thermal		55 707	60 604	59 841	66 672	60 226	61 861
<i>of which:</i>							
Hard coal		23 413	26 260	24 372	27 515	22 889	24 446
Lignite and peat		245	-	-	-	-	-
Petroleum products		5 767	7 096	6 528	7 925	7 133	6 163
Natural gas		18 369	19 368	21 049	23 069	21 760	21 987
Derived gases		3 333	3 006	2 863	3 190	3 515	3 751
Biomass		4 580	4 874	5 029	4 973	4 929	5 514
Industrial wastes		-	-	-	-	-	-
Total net generation		534 871	542 304	549 532	550 131	548 863	544 416
<b>Imports and exports</b>							
Total imports		3 705	6 959	6 571	8 062	8 522	10 782
Total exports		80 739	73 373	68 477	68 390	71 863	67 595
<b>Consumption and losses</b>							
Consumption of the energy branch		52 456	55 359	55 429	56 300	47 397	50 060
<i>of which:</i>							
Consumption for pumped-storage		2 177	2 127	2 133	1 935	2 171	2 251
Network losses		30 898	31 749	31 735	32 232	31 804	31 612
Final energy consumption		393 496	408 255	420 022	422 610	426 747	425 897
<i>of which:</i>							
Industry		133 350	133 840	136 588	139 547	134 264	132 599
<i>among which:</i>							
Iron&steel industry		16 162	15 561	16 362	15 611	15 924	15 861
Non-ferrous metals		10 211	9 919	10 197	9 833	9 548	9 287
Chemical industry		24 738	23 566	24 035	24 932	24 720	24 844
Non-met. mineral prod.		8 550	8 582	9 013	8 832	9 005	8 918
Food, drink, tobacco		18 931	19 595	19 259	19 748	20 100	20 294
Pulp, paper and print		13 617	13 288	13 368	13 490	13 076	12 822
Engineering & metal		22 851	22 197	22 218	20 181	21 547	21 453
Other industries		13 373	16 522	17 609	22 700	16 322	15 191
Transport		11 982	12 055	12 409	12 221	12 365	12 446
Services & households etc.		248 164	262 360	271 025	270 842	280 118	280 852
<i>among which:</i>							
Households		132 998	141 554	147 088	144 548	147 104	145 755

## 3.2 Electrical capacity, fuel inputs and heat

		FRANCE					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	116 614	116 514	116 724	115 540	115 469	116 284
<b>by source:</b>							
Conventional thermal		27 902	27 715	27 898	26 447	25 672	25 672
<i>of which:</i>							
Steam		:	:	:	:	:	:
Gas turbine		:	:	:	:	:	:
Combined cycle		-	-	-	-	-	-
Internal combustion		:	:	:	:	:	:
Nuclear		63 273	63 363	63 363	63 260	63 260	63 260
Hydro		25 306	25 214	25 100	25 110	25 125	25 132
<i>among which:</i>							
Pumped storage		4 302	4 303	4 303	4 303	4 303	4 303
Wind		133	222	363	723	1 412	2 220
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		110 963	110 861	111 302	109 028	108 985	109 764
Autoproducers		5 899	5 902	5 673	6 765	6 739	6 784
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	13 681	14 610	14 508	16 669	15 393	15 864
<i>among which:</i>							
Hard coal		5 392	6 047	5 672	6 404	5 349	5 777
Lignite and peat		70	-	-	-	-	-
Petroleum products		855	1 191	1 174	1 952	1 675	1 439
Natural gas		4 785	4 802	4 932	5 463	5 531	5 627
Renewables		1 699	1 762	1 933	2 024	1 956	2 050
Heating plants		290	296	249	239	221	206
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		290	296	249	239	221	206
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	-	-	-	-	-	-
<i>among which: in heating plants</i>		-	-	-	-	-	-
Heat consumption		-	-	-	-	-	-
<i>of which: in industry</i>		-	-	-	-	-	-
in households and services		-	-	-	-	-	-
<i>among which: in households</i>		-	-	-	-	-	-

## 4.1 Crude oil and feedstocks

	FRANCE						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		1 317	1 405	1 364	1 227	1 100	1 013
Total imports		80 058	85 465	85 129	84 175	82 049	81 507
Total exports		-	62	100	75	33	10
Stock changes		106	-1 173	19	189	167	208
Refinery intake		84 860	88 641	89 182	87 050	87 464	86 797
<b>Imports of Crude Oil by origin</b>							
<i>by region of origin:</i>							
OPEC		30 015	34 947	34 895	33 972	34 180	28 750
Near and Middle East		22 958	21 075	21 504	19 949	21 165	18 728
Africa		16 032	18 706	16 589	19 046	17 365	18 188
<i>by country of origin:</i>							
Algeria		3 639	5 879	6 018	5 360	3 492	2 128
Irak		4 425	800	1 521	1 441	3 488	2 954
Iran		3 839	5 821	6 374	6 857	6 729	6 586
Kazakhstan		3 053	4 003	6 087	8 550	8 060	-
Kuwait		1 621	2 113	1 687	2 413	1 573	1 729
Libya		1 627	3 623	4 098	4 498	4 221	5 194
Mexico		110	155	65	-	-	-
Nigeria		4 296	5 323	2 645	2 848	4 047	2 219
Norway		16 226	16 189	15 599	16 095	13 365	12 478
Russia		10 456	12 935	12 697	9 594	9 764	10 586
Saudi Arabia		10 568	11 245	12 552	10 312	8 681	6 860
Syria		2 505	1 096	1 057	1 218	869	1 216
United Arab Emirates		-	-	-	121	1 373	1 034

## 4.2 Petroleum products

	FRANCE						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Production and supply</b>							
Total refinery output		84 309	87 901	88 406	86 293	86 839	86 060
<i>among which:</i>							
Motor spirit		17 026	16 946	16 936	16 315	17 225	16 525
Kerosene and jet fuel		5 307	5 245	5 692	5 553	5 754	5 613
Naphtha		5 458	6 000	5 682	5 384	5 036	5 033
Gas/diesel oil		33 301	35 283	34 421	33 590	33 733	34 392
Residual fuel oil		10 626	10 919	11 887	11 823	11 955	11 441
Total imports		32 073	30 550	32 500	37 135	38 085	35 764
Total exports		19 172	22 477	23 858	27 252	27 541	26 029
Bunkers		2 535	2 745	3 103	2 837	2 940	3 015
Stock changes		-1 103	-340	-134	-1 288	-114	-229
Gross inland consumption		9 475	5 078	5 507	5 845	7 561	6 556
<b>Imports and exports</b>							
Imports by origin							
<i>among which:</i>							
Netherlands		2 966	1 576	2 557	2 996	3 434	2 792
United Kingdom		3 533	3 202	2 584	3 015	2 422	2 864
Norway		433	348	428	653	419	454
OPEC		4 356	3 548	3 226	4 377	4 740	4 616
Imports by product							
<i>among which:</i>							
Motor spirit		1 744	1 082	200	1 264	1 972	664
Kerosene and jet fuel		2 734	2 643	2 694	3 198	3 252	3 611
Gas/diesel oil		16 076	16 778	16 865	19 830	16 873	14 597
Residual fuel oil		3 292	2 364	3 767	3 860	5 480	5 764
Exports by product							
<i>among which:</i>							
Motor spirit		4 439	5 029	7 174	7 743	8 337	6 471
Kerosene and jet fuel		903	894	902	1 287	1 466	1 461
Gas/diesel oil		1 960	2 106	1 746	3 642	3 437	3 422
Residual fuel oil		5 693	7 084	7 998	7 914	7 384	7 728
<b>Consumption</b>							
Inputs to electricity plants		896	1 275	1 265	2 067	1 778	1 527
Inputs to heating plants		-	-	-	-	-	-
Non-energy use		11 952	12 224	12 551	12 410	12 871	13 579
Final energy consumption		72 170	72 574	72 856	71 853	70 862	68 563
Industry							
<i>among which by product:</i>							
Gas/diesel oil		1 202	1 141	1 479	1 492	1 087	1 050
Residual fuel oil		1 845	1 691	1 730	1 543	1 392	1 321

	FRANCE						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		129	25	17	14	47	50
Non-ferrous metals		60	64	65	71	67	59
Chemical industry		1 998	2 378	2 235	2 395	2 479	2 460
Non-met. mineral prod.		1 706	1 578	1 680	1 577	1 593	1 445
Food, drink, tobacco		792	668	618	480	486	492
Pulp, paper and print		207	202	185	136	116	127
Engineering & metal		242	262	263	261	254	205
Other industries		1 227	1 288	1 376	1 432	1 349	1 265
Transport		48 689	48 258	47 627	47 182	47 826	47 665
<i>among which:</i>							
Motor spirit		12 861	12 057	11 455	10 728	9 976	9 309
Jet fuel		6 334	6 319	6 070	6 125	6 866	7 052
Diesel oil		29 306	29 716	29 951	30 190	30 854	31 186
Services & households etc.		16 903	17 684	18 278	17 755	16 485	14 655
<i>among which:</i>							
Gas oil		14 103	14 597	14 919	14 554	13 786	12 160
Residual fuel oil		577	664	447	434	500	395
<b>Stocks at end of period</b>							
Crude oil and feedstocks		8 913	10 086	10 016	9 827	9 660	9 452
Petroleum products		14 813	15 153	15 100	16 388	15 055	15 284

## 5. Natural gas

<i>in TJ (GCV)</i>	FRANCE					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	67 438	59 621	51 530	42 275	49 242	42 586
Total imports	1 744 261	1 788 025	1 857 438	1 936 328	1 867 698	1 763 524
Total exports	35 068	41 904	58 546	42 020	31 598	36 192
Stock changes	-32 860	23 331	17 279	-25 692	-42 032	20 287
Gross inland consumption	1 743 771	1 829 073	1 867 701	1 910 891	1 843 310	1 790 205
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	419 653	391 146	232 641	309 486	293 945	312 356
Egypt	-	-	-	60 030	90 828	45 959
Libya	-	-	-	-	-	-
Nigeria	133 731	147 185	150 952	146 596	170 787	126 113
Norway	516 752	512 080	502 480	447 040	529 322	551 378
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	422 700	412 639	384 910	378 093	292 239	238 022
<b>Consumption</b>						
Inputs to electricity plants	222 588	223 388	229 456	254 133	257 285	261 782
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	2 622	1 254	2 473	7 075	8 028	11 957
Distribution losses	14 777	20 056	30 198	31 997	27 284	27 284
Non-energy use	83 884	82 847	79 704	83 841	75 600	84 600
Industry	598 380	622 732	565 174	452 010	431 140	415 999
<i>among which:</i>						
Iron&steel industry	26 939	27 450	28 912	37 116	38 935	37 397
Non-ferrous metals	13 826	12 006	12 549	13 395	12 953	11 443
Chemical industry	111 059	141 355	105 319	94 493	64 612	73 400
Non-met. mineral prod.	89 879	91 446	86 078	80 206	80 078	73 235
Food, drink, tobacco	116 918	117 202	111 582	74 697	75 605	82 235
Pulp, paper and print	66 325	66 581	57 724	44 100	59 333	38 014
Engineering & metal	73 875	76 604	76 874	69 399	66 984	66 617
Other industries	31 365	22 427	25 662	23 156	15 745	21 240
Transport	1 260	1 764	1 980	2 178	2 880	2 880
Services & households etc.	821 824	871 592	956 750	1 069 492	1 041 092	985 344
<i>among which:</i>						
Households	615 255	611 942	686 824	672 311	679 845	601 988
Services	191 676	245 718	254 731	383 537	348 891	372 057

## 6.1 Hard coal

	FRANCE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	1 483	1 730	160	-	-	-
Total imports	18 142	16 768	19 460	19 851	20 391	18 693
Total exports	123	83	94	295	140	212
Stock changes	-669	2 023	315	969	-1 632	1 329
Gross inland consumption	19 270	20 942	20 553	21 142	19 071	20 190
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	4 589	4 527	6 015	5 337	5 725	5 258
Colombia	1 611	2 331	2 852	2 506	2 250	1 800
Russia	288	325	764	905	1 124	1 109
South Africa	4 869	4 029	3 945	4 225	4 239	3 971
USA	1 890	2 109	2 210	1 906	2 000	1 859
<b>Consumption</b>						
Inputs to electricity plants	8 682	9 738	9 133	10 313	8 614	9 302
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	21	25	1	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	2 506	2 439	2 534	2 936	3 218	2 966
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	385	441	457	618	391	464
Non-met. mineral prod.	270	294	248	270	314	449
Food, drink, tobacco	401	429	560	669	711	712
Pulp, paper and print	165	199	204	188	145	89
Engineering & metal	2	4	1	-	-	-
Other industries	2	1	-	86	116	1
Services & households etc.	470	545	539	480	480	480



## 6.2 Coal derivatives and peat

		FRANCE					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		4 552	4 601	4 542	4 445	4 689	4 848
Patent Fuel		70	41	35	31	25	16
Lignite and peat		148	9	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		34 765	35 169	32 831	32 288	32 932	34 227
Blast-furnace gas		66 615	63 350	63 734	63 350	65 992	65 250
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		3 357	3 133	2 912	2 668	2 756	2 601
<i>among which:</i>							
Iron & steel industry		2 899	2 830	2 567	2 372	2 483	2 327
Services & households		39	29	21	14	4	-
Patent Fuel		143	83	77	77	73	64
<i>among which:</i>							
Services & households		143	83	77	77	73	64
Lignite and peat		24	51	40	36	37	51
<i>among which:</i>							
Industry		23	51	40	36	37	51
Services & households		1	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		20 017	18 365	17 743	17 506	18 181	18 181
Blast-furnace gas		26 448	25 303	26 662	25 721	24 927	21 826
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		37 701	34 572	34 158	35 403	37 846	41 604
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		16 627	17 912	19 137	18 703	18 261	13 238
Consumption in industry		46 465	43 668	44 405	43 227	43 108	40 007

## 7. Renewable energy sources

		FRANCE					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	16 935	17 612	18 035	17 492	17 968	18 645
Hydro (excl. pumping)		5 257	5 133	5 193	4 496	4 872	5 048
Wind		23	34	51	83	188	348
Solar		19	18	19	22	29	37
Geothermal		128	129	130	130	130	130
Biomass		11 509	12 298	12 642	12 761	12 749	13 081
	<i>among which:</i>						
Wood, wood-waste		8 851	9 487	9 615	9 685	9 495	9 234
Municipal solid waste		2 043	2 142	2 304	2 278	2 199	2 283
Biogas		277	303	315	335	371	404
Gross inland consumption		16 921	17 570	17 973	17 436	18 003	18 958
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		1 989	2 057	2 183	2 263	2 177	2 256
	<i>among which:</i>						
Wood, wood-waste		172	178	180	214	213	249
Municipal waste		1 629	1 665	1 775	1 802	1 683	1 695
Biogas		188	215	228	247	281	312
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	9 651	10 345	10 545	10 594	10 765	11 304
	<i>by sector:</i>						
Industry		1 555	1 593	1 623	1 655	1 681	1 716
Services & households etc.		7 772	8 427	8 577	8 531	8 365	8 115
Transport		324	325	345	408	719	1 473
	<i>by source:</i>						
Biomass		9 505	10 199	10 397	10 442	10 608	11 138
	<i>among which:</i>						
Wood, wood-waste		8 679	9 309	9 435	9 471	9 281	8 985
Municipal waste		414	476	529	476	517	588
Biogas		88	88	87	87	90	92
Geothermal		128	129	130	130	130	130
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		7	7	8	10	12	17
Hydro with installed capacity < 1 MW		1 464	1 304	1 422	1 340	1 337	1 410
Hydro with installed capacity > 1 & <10 MW		5 287	5 077	5 288	4 559	4 760	4 811
Hydro with installed capacity > 10 MW		53 847	52 779	53 109	45 851	50 043	51 966
Wood, Wood-waste		1 109	1 133	1 128	1 257	1 250	1 390
Municipal waste		3 074	3 294	3 434	3 310	3 228	3 506
Biogas		397	447	467	506	551	638

		FRANCE					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		9	11	14	16	23	24
Hydro with installed capacity < 1 MW		421	427	433	433	432	436
Hydro with installed capacity > 1 & <10 MW		1 524	1 596	1 609	1 603	1 620	1 624
Hydro with installed capacity > 10 MW		19 059	18 888	18 756	18 770	18 770	18 769
Wood, Wood-waste		340	217	229	228	232	297
Municipal waste		272	586	670	668	732	735
Biogas		-	-	-	74	89	95
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	417	452	474	546	824	1 410
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	536	515	534	593	768	979



## 1. Energy economy Key figures and energy indicators

		ITALIA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	26 329	27 274	28 073	27 665	27 053	25 899
Net energy imports		153 370	156 360	159 548	160 955	164 570	159 505
Net oil imports		86 825	85 641	82 914	79 901	80 105	77 577
Net gas imports		48 518	51 116	55 293	59 840	63 088	60 510
Gross inland energy consumption		174 227	183 324	184 698	187 312	186 113	183 452
Final energy consumption		124 743	130 280	131 178	132 600	130 654	132 058
Industry		38 915	40 394	39 917	39 074	38 007	41 480
Transport		42 523	43 249	44 092	43 782	44 194	44 559
Services and households etc.		43 305	46 637	47 169	49 743	48 453	46 019
Gross electricity generation	GWh	284 397	293 884	303 322	303 699	314 122	313 887
Final electricity consumption		282 305	290 964	295 042	300 376	308 300	308 869
<b>Socio-economic statistics</b>							
Population	1000 per.	56 994	57 321	57 888	58 462	58 752	59 131
Total imports (current prices)	Mio EUR	320 776	320 512	342 791	371 908	424 216	451 816
among which:							
All energy commodities		23 230	23 600	27 090	36 672	42 820	44 242
Oil products		19 629	20 060	22 870	31 799	37 834	39 260
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 057	3 198	3 191	3 204	3 168	3 102
Final energy consumption / capita		2 189	2 273	2 266	2 268	2 224	2 233
Household consumption / capita		500	521	534	545	509	472
Final electricity consumption / capita	kWh/cap.	4 953	5 076	5 097	5 138	5 248	5 223
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	86.5	83.8	84.8	84.4	86.8	85.3
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	71.6	71.1	71.0	70.8	70.2	72.0
Efficiency of thermal power stations		41.3	39.9	48.9	49.1	50.5	51.8

## 2. Energy balance

### Principal aggregates by product

	ITALIA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	26 329	27 274	28 073	27 665	27 053	25 899
among which:						
Hard coal	104	159	62	60	13	100
Lignite and peat	-	-	-	-	-	-
Crude oil	5 613	5 653	5 521	6 191	5 850	5 948
Natural Gas	11 976	11 372	10 615	9 886	8 992	7 949
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	3 398	3 176	3 671	3 101	3 181	2 822
Biomass	1 637	1 962	3 136	3 404	3 758	3 675
<b>Imports</b>						
Total	175 386	180 977	185 998	191 251	193 350	191 689
among which:						
Hard coal	12 739	13 634	16 196	15 943	16 271	16 506
Crude oil and feedstocks	91 007	93 176	94 656	96 682	94 907	97 464
Petroleum products	17 624	16 613	14 149	12 939	13 386	11 866
Natural Gas	48 560	51 429	55 617	60 164	63 390	60 565
Electricity	4 430	4 427	3 992	4 322	4 007	4 207
<b>Exports</b>						
Total	22 016	24 617	26 450	30 296	28 781	32 185
among which:						
Crude oil and feedstocks	401	1 130	1 436	1 629	1 731	2 047
Petroleum products	21 404	23 017	24 457	28 092	26 457	29 706
Natural gas	43	312	324	324	302	56
Electricity	79	45	68	95	139	228
<b>Gross inland consumption</b>						
Total	174 227	183 324	184 698	187 312	186 113	183 452
among which:						
Solid fuels	13 717	14 923	16 583	16 477	16 658	16 786
Crude oil and petrol. prod.	88 974	89 200	85 489	83 691	83 173	80 341
Natural gas	57 706	63 621	66 019	70 651	69 192	69 531
Nuclear Energy	-	-	-	-	-	-
Renewables	9 203	10 714	12 521	12 149	13 097	12 689
<b>Transformation input</b>						
Total	152 098	158 325	158 846	162 367	163 074	163 560
among which:						
Crude oil and feedstocks	98 246	100 292	100 932	102 905	102 203	103 779
Petroleum products	17 519	16 362	11 140	9 640	9 263	6 853
Hard coal	11 928	12 523	14 018	13 746	14 420	15 148
Lignite and peat	-	1	-	-	-	-
Renewables	3 815	5 631	6 674	6 793	7 183	7 352
<b>Transformation output</b>						
Total	121 770	124 440	129 617	133 211	133 232	134 999
among which:						
Electricity	20 267	21 334	21 628	22 218	23 020	23 334
Heat	-	-	4 528	4 611	4 989	4 882

		ITALIA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		124 743	130 280	131 178	132 600	130 654	132 058
<i>among which:</i>	Solid fuels	3 316	3 836	4 146	4 220	4 163	3 663
	Petroleum products	57 361	58 598	59 303	58 461	57 487	57 117
	Natural Gas	37 840	40 963	40 267	41 960	39 953	39 414
	Renewables	1 867	1 780	2 014	2 050	2 475	2 165
	Electricity	24 274	25 018	25 369	25 828	26 509	26 558
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		38 915	40 394	39 917	39 074	38 007	41 480
<i>among which:</i>	Solid fuels	3 299	3 819	4 138	4 213	4 156	3 657
	Petroleum Products	6 428	6 908	7 563	6 999	6 178	6 490
	Natural Gas	16 589	16 963	15 535	15 136	14 737	15 695
	Renewables	208	206	203	198	198	167
	Electricity	12 305	12 413	12 399	12 447	12 671	12 568
<b>Transport</b>							
Total		42 523	43 249	44 092	43 782	44 194	44 559
<i>among which:</i>	Motor spirit	16 807	16 198	15 216	14 153	13 291	12 412
	Diesel oil	19 995	20 880	22 574	23 269	24 445	25 423
	Jet fuel	3 184	3 706	3 692	3 863	3 964	4 212
	Electricity	733	773	784	809	835	853
<b>Services&amp;households</b>							
Total		43 305	46 637	47 169	49 743	48 453	46 019
<i>among which:</i>	Solid fuels	16	16	8	7	7	6
	Gas oil	6 818	6 906	6 491	6 444	6 062	5 245
	Natural Gas	20 889	23 636	24 376	26 445	24 803	23 235
	Renewables	1 659	1 574	1 556	1 673	2 116	1 857
	Electricity	11 236	11 832	12 187	12 571	13 004	13 137
	Heat	-	-	-	-	-	238

### 3.1 Electricity balance

	ITALIA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		284 397	293 884	303 322	303 699	314 122	313 887
<i>among which:</i>							
Hydro		47 262	44 277	49 908	42 927	43 425	38 482
Wind		1 404	1 458	1 847	2 344	2 971	4 034
Geothermal		4 662	5 341	5 437	5 324	5 527	5 569
Nuclear		-	-	-	-	-	-
Conventional thermal		231 048	242 784	246 101	253 073	262 164	265 763
<i>of which:</i>							
Hard coal		35 447	38 813	45 518	43 606	44 208	44 112
Lignite and peat		-	-	-	-	-	-
Petroleum products		87 767	75 986	58 889	47 124	45 875	35 409
Natural gas		99 414	117 300	129 772	149 259	158 079	172 646
Derived gases		5 021	5 304	5 359	5 813	6 230	5 623
Biomass		2 371	3 456	5 359	5 985	6 565	6 770
Industrial wastes		1 028	1 925	1 204	1 286	1 207	1 203
Total net generation		270 757	280 178	289 993	290 604	301 224	301 259
<b>Imports and exports</b>							
Total imports		51 519	51 486	46 426	50 264	46 596	48 931
Total exports		922	518	791	1 109	1 611	2 648
<b>Consumption and losses</b>							
Consumption of the energy branch		25 184	25 654	25 835	24 992	24 485	24 701
<i>of which:</i>							
Consumption for pumped-storage		2 911	3 148	3 090	2 459	2 321	1 988
Network losses		19 766	20 870	20 868	20 626	19 926	20 976
Final energy consumption		282 305	290 964	295 042	300 376	308 300	308 869
<i>of which:</i>							
Industry		143 107	144 368	144 197	144 763	147 362	146 170
<i>among which:</i>							
Iron&steel industry		19 966	19 887	20 045	20 395	21 688	21 676
Non-ferrous metals		5 619	5 464	5 538	5 635	5 753	5 553
Chemical industry		20 236	20 110	19 431	19 015	18 838	18 192
Non-met. mineral prod.		14 312	14 543	14 606	14 678	14 943	14 790
Food, drink, tobacco		12 360	12 535	12 702	13 004	12 843	12 855
Pulp, paper and print		10 480	10 787	10 807	10 939	10 879	10 649
Engineering & metal		26 064	26 736	27 275	27 786	28 502	28 281
Other industries		21 970	22 709	22 906	23 127	23 893	24 699
Transport		8 521	8 992	9 113	9 414	9 707	9 916
Services & households etc.		130 677	137 604	141 732	146 199	151 231	152 783
<i>among which:</i>							
Households		62 957	65 016	66 592	66 960	67 635	67 220



### 3.2 Electrical capacity, fuel inputs and heat

		ITALIA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	79 744	78 102	81 306	85 231	89 137	93 198
<b>by source:</b>							
Conventional thermal		54 521	55 861	58 792	61 932	65 492	68 708
<i>of which:</i>							
Steam		38 126	36 754	34 553	32 038	31 433	30 187
Gas turbine		5 088	5 101	3 931	3 953	3 968	3 999
Combined cycle		10 308	13 051	19 276	24 837	28 895	33 238
Internal combustion		911	955	1 032	1 104	1 195	1 283
Nuclear		-	-	-	-	-	-
Hydro		23 777	20 660	20 745	20 993	21 072	21 117
<i>among which:</i>							
Pumped storage		6 957	6 957	6 955	7 103	7 544	7 544
Wind		780	874	1 127	1 635	1 902	2 702
Geothermal		666	707	642	671	671	671
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		79 744	78 313	76 540	80 658	84 636	88 901
Autoproducers		-	-	4 773	4 840	4 851	4 698
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	49 055	53 517	53 487	54 689	55 504	54 433
<i>among which:</i>							
Hard coal		7 954	8 874	10 448	10 001	10 122	10 772
Lignite and peat		-	1	-	-	-	-
Petroleum products		17 519	16 362	11 140	9 640	9 263	6 853
Natural gas		18 491	21 087	23 988	26 897	27 499	28 086
Renewables		3 815	5 631	6 674	6 793	7 183	7 352
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	-	-	4 528	4 611	4 989	4 882
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		-	-	-	-	-	3 072
<i>of which: in industry</i>							
		-	-	-	-	-	2 834
<i>in households and services</i>							
		-	-	-	-	-	238
<i>among which: in households</i>							
		-	-	-	-	-	133

## 4.1 Crude oil and feedstocks

	ITALIA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	5 535	5 570	5 445	6 111	5 769	5 860
Total imports	89 730	91 807	93 354	95 424	93 588	96 023
Total exports	395	1 113	1 415	1 606	1 706	2 017
Stock changes	-115	90	-429	-122	311	16
Refinery intake	96 867	98 819	99 542	101 564	100 781	102 245
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	44 638	51 278	52 689	56 171	55 154	54 275
Near and Middle East	25 588	26 931	27 778	30 562	27 915	27 843
Africa	31 025	31 522	32 291	30 537	33 147	32 078
<i>by country of origin:</i>						
Algeria	2 591	3 466	4 137	2 967	2 694	750
Irak	2 722	3 456	3 712	5 855	6 801	8 456
Iran	9 274	9 913	9 556	9 559	9 648	9 579
Kazakhstan	495	572	1 157	3 023	2 131	1 823
Kuwait	55	-	-	273	62	41
Libya	20 190	21 948	22 035	23 344	23 790	25 829
Mexico	81	-	-	86	-	-
Nigeria	1 318	1 717	1 443	1 551	1 915	1 600
Norway	5 409	4 692	3 337	3 314	3 817	2 868
Russia	15 871	17 508	19 892	18 440	13 956	16 539
Saudi Arabia	8 457	10 564	11 768	12 586	10 173	7 987
Syria	5 034	2 998	2 650	2 562	1 293	1 753
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	ITALIA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	96 233	97 840	98 140	100 598	99 199	100 704
<i>among which:</i>						
Motor spirit	20 810	20 705	20 674	21 195	20 983	21 432
Kerosene and jet fuel	4 306	4 517	4 041	3 943	4 111	4 224
Naphtha	2 423	3 615	3 048	3 117	2 982	2 545
Gas/diesel oil	38 993	38 389	39 536	39 844	39 805	41 079
Residual fuel oil	17 190	18 018	17 543	19 032	17 621	17 357
Total imports	18 316	17 568	14 868	13 511	14 078	12 432
Total exports	21 065	22 713	24 146	27 786	26 169	29 322
Bunkers	3 080	3 310	3 456	3 492	3 592	3 631
Stock changes	-555	779	342	845	-441	-595
Gross inland consumption	-6 167	-7 476	-12 182	-16 848	-16 054	-20 998
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	358	149	143	96	268	146
United Kingdom	1 381	1 384	724	558	339	361
Norway	188	231	10	101	66	33
OPEC	7 653	7 589	6 657	5 542	4 975	4 544
Imports by product						
<i>among which:</i>						
Motor spirit	572	430	339	322	193	258
Kerosene and jet fuel	198	204	493	795	608	733
Gas/diesel oil	1 014	724	1 011	1 524	1 602	1 309
Residual fuel oil	10 774	9 873	5 625	3 625	4 029	2 322
Exports by product						
<i>among which:</i>						
Motor spirit	4 807	5 197	5 751	7 507	7 756	9 444
Kerosene and jet fuel	971	761	536	702	370	423
Gas/diesel oil	9 479	9 611	9 545	9 572	8 952	10 179
Residual fuel oil	2 459	3 372	3 740	5 452	4 676	4 878
<b>Consumption</b>						
Inputs to electricity plants	18 285	17 072	11 536	9 963	9 655	7 125
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	9 600	7 934	7 982	10 084	9 494	9 130
Final energy consumption	56 359	57 780	58 491	57 748	56 787	56 412
Industry						
<i>among which by product:</i>						
Gas/diesel oil	440	495	1 207	504	385	460
Residual fuel oil	3 379	3 537	3 302	3 244	2 784	2 963

	ITALIA						
	in 1 000 t	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		112	117	131	114	124	105
Non-ferrous metals		84	90	80	73	77	69
Chemical industry		921	781	1 727	1 149	379	1 083
Non-met. mineral prod.		3 066	3 743	3 840	4 020	3 943	3 707
Food, drink, tobacco		798	838	819	779	751	690
Pulp, paper and print		190	202	234	224	233	221
Engineering & metal		785	798	748	691	699	689
Other industries		645	667	397	470	484	429
Transport		40 057	40 751	41 366	41 126	41 519	41 839
<i>among which:</i>							
Motor spirit		15 993	15 413	14 479	13 467	12 647	11 811
Jet fuel		3 100	3 608	3 595	3 761	3 860	4 101
Diesel oil		19 651	20 521	22 186	22 869	24 025	24 986
Services & households etc.		9 201	9 267	8 739	8 739	8 231	7 276
<i>among which:</i>							
Gas oil		6 701	6 787	6 379	6 333	5 958	5 155
Residual fuel oil		335	328	259	250	160	128
<b>Stocks at end of period</b>							
Crude oil and feedstocks		5 550	5 576	6 005	6 127	6 601	6 585
Petroleum products		15 001	13 954	13 612	12 767	13 208	13 803

## 5. Natural gas

<i>in TJ (GCV)</i>	ITALIA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	557 137	529 017	493 813	459 905	418 301	369 799
Total imports	2 259 025	2 392 454	2 587 295	2 798 826	2 948 903	2 817 495
Total exports	1 981	14 516	15 050	15 088	14 058	2 591
Stock changes	-129 692	52 692	5 145	43 053	-134 343	49 873
Gross inland consumption	2 684 489	2 959 647	3 071 203	3 286 696	3 218 803	3 234 576
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	920 420	935 774	976 579	1 046 378	1 049 617	936 650
Egypt	-	-	-	-	-	-
Libya	-	-	19 850	171 183	293 065	352 082
Nigeria	-	-	-	-	-	-
Norway	192 329	191 643	197 739	218 046	218 885	212 636
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	789 165	826 313	900 074	888 721	858 012	863 613
<b>Consumption</b>						
Inputs to electricity plants	860 186	980 954	1 115 933	1 251 270	1 279 270	1 306 570
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	15 725	15 730	14 432	14 422	15 255	16 736
Distribution losses	5 412	14 099	21 719	22 832	21 640	41 955
Non-energy use	42 824	43 245	45 910	46 177	44 007	35 777
Industry	771 718	789 137	722 686	704 130	685 558	730 121
<i>among which:</i>						
Iron&steel industry	87 709	90 489	90 559	90 814	87 759	85 686
Non-ferrous metals	17 757	18 403	18 876	18 593	18 519	18 325
Chemical industry	134 911	137 465	126 252	122 106	121 139	127 942
Non-met. mineral prod.	166 268	169 469	167 843	166 107	163 326	151 333
Food, drink, tobacco	85 229	86 947	79 474	68 819	61 205	68 543
Pulp, paper and print	75 974	77 913	42 469	42 192	40 866	90 715
Engineering & metal	102 145	104 168	101 915	101 207	99 343	105 539
Other industries	38 862	39 855	38 058	37 801	35 647	38 562
Transport	16 843	16 953	16 542	17 656	19 235	22 518
Services & households etc.	971 744	1 099 530	1 133 978	1 230 209	1 153 838	1 080 899
<i>among which:</i>						
Households	711 797	803 531	836 596	874 090	793 036	743 257
Services	254 345	289 824	290 927	348 251	353 886	330 364

## 6.1 Hard coal

	ITALIA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	163	250	98	95	21	158
Total imports	19 211	20 562	24 666	24 150	24 632	24 953
Total exports	-	-	-	-	-	-
Stock changes	624	334	-484	-5	145	7
Gross inland consumption	19 998	21 146	24 280	24 240	24 798	25 118
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	2 416	2 874	3 077	2 791	3 097	3 086
Colombia	1 950	-	2 923	2 997	2 034	2 112
Russia	1 424	1 055	1 895	1 096	833	803
South Africa	3 871	4 765	5 902	4 600	4 779	5 178
USA	2 934	2 468	2 329	2 635	2 672	3 053
<b>Consumption</b>						
Inputs to electricity plants	12 749	14 251	16 807	15 999	15 939	16 964
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	113	60	61	349	54	59
Industry	1 495	1 996	2 516	2 600	2 759	1 948
<i>among which:</i>						
Iron&steel industry	996	1 223	1 628	1 678	1 818	1 030
Non-ferrous metals	2	1	2	2	2	3
Chemical industry	3	2	3	3	3	3
Non-met. mineral prod.	487	770	883	917	936	912
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	2	-	-	-	-	-
Engineering & metal	2	-	-	-	-	-
Other industries	2	-	-	-	-	-
Services & households etc.	1	1	12	11	11	9

## 6.2 Coal derivatives and peat

		ITALIA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		4 065	3 827	4 062	4 574	4 688	4 727
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		14 213	15 111	14 347	14 147	15 752	16 480
Blast-furnace gas		34 468	36 321	35 884	43 071	44 748	40 714
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		3 472	3 769	3 729	3 760	3 529	3 554
<i>among which:</i>							
Iron & steel industry		3 217	3 694	3 692	3 718	3 487	3 513
Services & households		23	23	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		9	7	9	8	8	4
<i>among which:</i>							
Industry		9	7	9	8	8	4
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		433	313	-	-	-	-
Blast-furnace gas		606	649	695	801	180	272
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		45 766	49 217	48 993	55 890	59 021	56 281
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		1 732	1 175	560	527	1 299	657
Consumption in industry		1 039	962	695	801	180	272

## 7. Renewable energy sources

		ITALIA					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	8 636	10 090	11 875	11 528	12 198	11 901
Hydro (excl. pumping)		3 398	3 176	3 671	3 101	3 181	2 822
Wind		121	125	159	202	255	347
Solar		16	18	21	30	38	56
Geothermal		3 464	4 810	4 888	4 791	4 966	5 002
Biomass		1 637	1 962	3 136	3 404	3 758	3 675
	<i>among which:</i>						
Wood, wood-waste		1 002	1 015	1 575	1 790	1 919	1 707
Municipal solid waste		426	692	986	1 111	1 281	1 400
Biogas		209	255	319	324	359	388
Gross inland consumption		9 203	10 714	12 521	12 149	13 097	12 689
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		3 247	4 592	4 675	4 578	4 753	4 789
Biomass		568	1 039	1 998	2 215	2 430	2 563
	<i>among which:</i>						
Wood, wood-waste		70	92	693	780	790	775
Municipal waste		289	692	986	1 111	1 281	1 400
Biogas		209	255	319	324	359	388
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	1 867	1 780	2 014	2 050	2 475	2 165
	<i>by sector:</i>						
Industry		208	206	203	198	198	167
Services & households etc.		1 659	1 574	1 556	1 673	2 116	1 857
Transport		-	-	255	179	161	141
	<i>by source:</i>						
Biomass		1 636	1 547	1 783	1 810	2 227	1 900
	<i>among which:</i>						
Wood, wood-waste		1 498	1 547	1 528	1 631	2 028	1 720
Municipal waste		137	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		217	217	213	213	213	213
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		21	24	29	31	35	39
Hydro with installed capacity < 1 MW		1 604	1 455	1 731	1 526	1 521	1 416
Hydro with installed capacity > 1 & <10 MW		6 444	5 736	7 129	6 090	6 354	5 684
Hydro with installed capacity > 10 MW		31 472	29 483	33 885	28 451	29 119	25 715
Wood, Wood-waste		-	611	1 913	2 167	2 312	2 298
Municipal waste		1 428	1 812	2 277	2 620	2 917	3 025
Biogas		943	1 033	1 170	1 198	1 336	1 447



		ITALIA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		6	7	7	7	45	87
Hydro with installed capacity < 1 MW		398	329	413	419	427	425
Hydro with installed capacity > 1 & <10 MW		1 892	1 554	1 951	1 986	2 040	2 039
Hydro with installed capacity > 10 MW		14 530	11 820	14 691	14 920	14 944	11 109
Wood, Wood-waste		155	383	503	510	2 078	1 936
Municipal waste		224	446	511	1 162	1 195	1 091
Biogas		224	257	268	284	310	329
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	286	200	223	202
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	348	400	460	680	866	1 152



## 1. Energy economy Key figures and energy indicators

		KYPROS/KIBRIS					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	45	48	48	48	50	65
Net energy imports		2 586	2 663	2 417	2 816	2 972	2 872
Net oil imports		2 542	2 627	2 390	2 773	2 928	2 848
Net gas imports		-	-	-	-	-	-
Gross inland energy consumption		2 437	2 651	2 450	2 468	2 609	2 726
Final energy consumption		1 705	1 810	1 818	1 812	1 840	1 900
Industry		427	425	525	318	331	344
Transport		897	953	858	969	926	952
Services and households etc.		382	433	435	524	582	603
Gross electricity generation	GWh	3 785	4 053	4 201	4 377	4 652	4 871
Final electricity consumption		3 385	3 645	3 749	3 960	4 168	4 375
<b>Socio-economic statistics</b>							
Population	1000 per.	706	715	730	749	766	779
Total imports (current prices)	Mio EUR	5 843	5 681	6 394	6 951	7 594	8 645
among which:							
All energy commodities		:	:	385	834	1 011	1 068
Oil products		:	:	373	815	981	1 036
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 454	3 707	3 355	3 295	3 405	3 500
Final energy consumption / capita		2 417	2 532	2 489	2 418	2 401	2 440
Household consumption / capita		325	347	333	425	452	385
Final electricity consumption / capita	kWh/cap.	4 798	5 097	5 133	5 286	5 438	5 618
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	100.6	96.0	96.4	100.7	102.5	95.9
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	70.0	68.3	74.2	73.4	70.5	69.7
Efficiency of thermal power stations		36.6	33.3	36.1	35.0	36.4	36.2

## 2. Energy balance

### Principal aggregates by product

	KYPROS/KIBRIS					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	45	48	48	48	50	65
<i>among which:</i>						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	-	-	-	-	-	-
Biomass	10	12	9	6	6	12
<b>Imports</b>						
Total	2 586	2 663	2 417	2 816	2 972	2 872
<i>among which:</i>						
Hard coal	42	33	24	43	43	23
Crude oil and feedstocks	1 078	971	244	-	-	-
Petroleum products	1 464	1 656	2 146	2 773	2 928	2 848
Natural Gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
<b>Exports</b>						
Total	-	-	-	-	-	-
<i>among which:</i>						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
<b>Gross inland consumption</b>						
Total	2 437	2 651	2 450	2 468	2 609	2 726
<i>among which:</i>						
Solid fuels	37	38	38	36	38	34
Crude oil and petrol. prod.	2 355	2 565	2 362	2 382	2 520	2 618
Natural gas	-	-	-	-	-	-
Nuclear Energy	-	-	-	-	-	-
Renewables	45	48	49	48	50	66
<b>Transformation input</b>						
Total	1 976	2 019	1 279	1 077	1 100	1 156
<i>among which:</i>						
Crude oil and feedstocks	1 086	973	280	0	0	0
Petroleum products	890	1 046	999	1 077	1 100	1 156
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
<b>Transformation output</b>						
Total	1 407	1 318	641	376	400	419
<i>among which:</i>						
Electricity	325	348	361	376	400	419
Heat	-	-	-	-	-	-

		KYPROS/KIBRIS					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		1 705	1 810	1 818	1 812	1 840	1 900
<i>among which:</i>	Solid fuels	36	38	38	36	37	33
	Petroleum products	1 333	1 411	1 407	1 385	1 393	1 417
	Natural Gas	-	-	-	-	-	-
	Renewables	45	48	48	48	50	66
	Electricity	291	313	322	340	358	376
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		427	425	525	318	331	344
<i>among which:</i>	Solid fuels	36	38	38	36	37	33
	Petroleum Products	347	338	436	232	243	249
	Natural Gas	-	-	-	-	-	-
	Renewables	2	5	3	1	1	2
	Electricity	41	44	46	47	48	52
<b>Transport</b>							
Total		897	953	858	969	926	952
<i>among which:</i>	Motor spirit	241	265	296	318	339	370
	Diesel oil	346	356	258	352	279	287
	Jet fuel	310	332	303	299	308	295
	Electricity	-	-	-	-	-	-
<b>Services&amp;households</b>							
Total		382	433	435	524	582	603
<i>among which:</i>	Solid fuels	-	-	-	-	-	-
	Gas oil	-	25	27	112	147	137
	Natural Gas	-	-	-	-	-	-
	Renewables	43	43	45	47	48	63
	Electricity	250	269	276	294	310	324
	Heat	-	-	-	-	-	-

### 3.1 Electricity balance

	KYPROS/KIBRIS						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		3 785	4 053	4 201	4 377	4 652	4 871
<i>among which:</i>							
Hydro		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		3 785	4 052	4 200	4 376	4 651	4 869
<i>of which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		3 785	4 052	4 200	4 376	4 651	4 869
Natural gas		-	-	-	-	-	-
Derived gases		-	-	-	-	-	-
Biomass		-	-	-	-	-	-
Industrial wastes		-	-	-	-	-	-
Total net generation		3 574	3 830	3 974	4 130	4 396	4 604
<b>Imports and exports</b>							
Total imports		-	-	-	-	-	-
Total exports		-	-	-	-	-	-
<b>Consumption and losses</b>							
Consumption of the energy branch		233	248	238	253	262	271
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		167	159	213	164	221	225
Final energy consumption		3 385	3 645	3 749	3 960	4 168	4 375
<i>of which:</i>							
Industry		474	515	537	546	564	602
<i>among which:</i>							
Iron&steel industry		-	-	-	1	1	1
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		19	20	21	24	25	27
Non-met. mineral prod.		186	208	216	221	225	225
Food, drink, tobacco		147	159	162	166	171	183
Pulp, paper and print		16	17	18	18	20	20
Engineering & metal		25	24	28	30	32	34
Other industries		56	61	61	61	64	67
Transport		-	-	-	-	-	-
Services & households etc.		2 911	3 130	3 212	3 414	3 604	3 773
<i>among which:</i>							
Households		1 157	1 294	1 316	1 433	1 500	1 608

### 3.2 Electrical capacity, fuel inputs and heat

		KYPROS/KIBRIS					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	<i>MW</i>	988	994	994	1 124	1 134	1 139
<b>by source:</b>							
Conventional thermal		988	994	994	1 124	1 134	1 139
<i>of which:</i>							
Steam		800	800	800	930	930	930
Gas turbine		188	188	188	188	188	188
Combined cycle		-	-	-	-	-	-
Internal combustion		-	6	6	6	16	21
Nuclear		-	-	-	-	-	-
Hydro		-	-	-	-	-	-
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		988	988	988	1 119	1 118	1 118
Autoproducers		-	6	6	6	16	21
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	<i>1 000 toe</i>	890	1 046	999	1 077	1 100	1 156
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		890	1 046	999	1 077	1 100	1 156
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	<i>1 000 toe</i>	-	-	-	-	-	-
<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

	KYPROS/KIBRIS					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	1 078	969	243	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	8	2	35	-	-	-
Refinery intake	1 086	971	279	-	-	-
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	-	-	-	-	-
Near and Middle East	40	631	141	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	1 038	338	76	-	-	-
Saudi Arabia	-	-	-	-	-	-
Syria	40	631	141	-	-	-
United Arab Emirates	-	-	-	-	-	-



## 4.2 Petroleum products

	KYPROS/KIBRIS					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	1 082	968	279	-	-	-
<i>among which:</i>						
Motor spirit	153	146	40	-	-	-
Kerosene and jet fuel	36	39	11	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	362	327	88	-	-	-
Residual fuel oil	423	362	112	-	-	-
Total imports	1 525	1 701	2 190	2 828	2 989	2 909
Total exports	-	-	-	-	-	-
Bunkers	139	125	57	336	297	276
Stock changes	-72	66	-5	-62	-117	38
Gross inland consumption	1 314	1 642	2 128	2 430	2 575	2 671
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	-	-
United Kingdom	-	11	7	176	59	30
Norway	35	-	-	-	-	-
OPEC	40	44	19	39	51	112
Imports by product						
<i>among which:</i>						
Motor spirit	78	110	239	331	335	344
Kerosene and jet fuel	295	323	297	321	331	282
Gas/diesel oil	194	252	479	603	629	605
Residual fuel oil	690	821	925	1 298	1 404	1 403
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	932	1 095	1 046	1 126	1 151	1 209
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	92	78	75	76	76	64
Final energy consumption	1 333	1 409	1 407	1 386	1 391	1 413
Industry						
<i>among which by product:</i>						
Gas/diesel oil	186	166	249	47	78	81
Residual fuel oil	55	62	68	66	54	60

	KYPROS/KIBRIS						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		-	-	-	-	-	-
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		-	-	-	-	-	-
Non-met. mineral prod.		193	199	214	174	163	181
Food, drink, tobacco		-	-	-	-	-	-
Pulp, paper and print		-	-	-	-	-	-
Engineering & metal		-	-	-	-	-	-
Other industries		186	166	255	50	78	81
Transport		871	925	831	940	897	921
<i>among which:</i>							
Motor spirit		229	252	282	303	323	352
Jet fuel		302	323	295	291	300	287
Diesel oil		340	350	254	346	274	282
Services & households etc.		83	114	107	176	216	208
<i>among which:</i>							
Gas oil		-	25	27	110	144	135
Residual fuel oil		-	-	-	-	2	2
<b>Stocks at end of period</b>							
Crude oil and feedstocks		37	35	-	-	-	-
Petroleum products		277	211	216	278	395	357

## 5. Natural gas

<i>in TJ (GCV)</i>	KYPROS/KIBRIS					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
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					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	66	51	39	63	63	33
Total exports	-	-	-	-	-	-
Stock changes	-12	2	18	-11	-9	16
Gross inland consumption	54	53	57	52	54	49
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	9	-	-	-
Colombia	-	-	-	-	-	-
Russia	66	51	-	-	-	-
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
<b>Consumption</b>						
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	53	57	52	54	49
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

## 6.2 Coal derivatives and peat

		KYPROS/KIBRIS					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		12	12	11	-	1	1
<i>among which:</i>							
Industry		12	12	11	-	-	-
Services & households		-	-	-	-	1	1
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	45	48	48	48	50	65
Hydro (excl. pumping)		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Solar		35	36	40	41	43	54
Geothermal		-	-	-	-	-	-
Biomass		10	12	9	6	6	12
	<i>among which:</i>						
Wood, wood-waste		10	12	9	6	6	11
Municipal solid waste		-	-	-	-	-	-
Biogas		-	-	-	-	0	0
Gross inland consumption		45	48	49	48	50	66
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		-	-	-	-	-	-
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	45	48	48	48	50	66
	<i>by sector:</i>						
Industry		2	5	3	1	1	2
Services & households etc.		43	43	45	47	48	63
Transport		-	-	-	-	-	1
	<i>by source:</i>						
Biomass		10	12	9	6	7	13
	<i>among which:</i>						
Wood, wood-waste		10	12	9	6	7	12
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	0	0
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	1	1	1	1	2
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-

		KYPROS/KIBRIS					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<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		-	-	-	-	-	-
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	-	-
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	730	730	730	765	800





## 1. Energy economy Key figures and energy indicators

		LATVIJA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	1 609	1 730	1 840	1 856	1 842	1 797
Net energy imports		2 455	2 796	3 173	2 995	3 170	3 039
Net oil imports		1 344	1 467	1 564	1 676	1 714	1 765
Net gas imports		1 144	1 406	1 739	1 434	1 530	1 316
Gross inland energy consumption		4 021	4 289	4 406	4 492	4 625	4 764
Final energy consumption		3 613	3 814	3 921	4 030	4 200	4 364
Industry		621	628	669	705	741	724
Transport		899	959	1 012	1 066	1 179	1 333
Services and households etc.		2 093	2 227	2 240	2 258	2 280	2 307
Gross electricity generation	GWh	3 975	3 975	4 689	4 905	4 891	4 771
Final electricity consumption		4 849	5 180	5 381	5 701	6 113	6 582
<b>Socio-economic statistics</b>							
Population	1000 per.	2 346	2 332	2 319	2 306	2 295	2 281
Total imports (current prices)	Mio EUR	5 017	5 453	6 658	8 098	10 647	13 169
among which:							
All energy commodities		:	:	535	1 028	1 163	1 193
Oil products		:	:	418	812	874	831
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	1 714	1 839	1 900	1 947	2 016	2 088
Final energy consumption / capita		1 540	1 636	1 691	1 747	1 830	1 913
Household consumption / capita		610	652	644	657	650	644
Final electricity consumption / capita	kWh/cap.	2 067	2 222	2 320	2 472	2 664	2 885
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	58.1	62.5	68.9	63.1	65.8	61.5
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	89.8	88.9	89.0	89.7	90.8	91.6
Efficiency of thermal power stations		81.3	82.7	83.4	83.8	85.9	86.2

## 2. Energy balance

### Principal aggregates by product

in 1 000 toe	LATVIJA					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	1 609	1 730	1 840	1 856	1 842	1 797
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	34	2	3	3	3	3
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	212	195	267	286	232	235
Biomass	1 362	1 529	1 565	1 564	1 603	1 555
<b>Imports</b>						
Total	2 810	3 203	3 935	3 941	3 876	3 757
<i>among which:</i> Hard coal	69	78	59	73	100	94
Crude oil and feedstocks	16	7	3	4	22	29
Petroleum products	1 329	1 476	1 893	2 173	1 963	1 885
Natural Gas	1 144	1 406	1 739	1 434	1 530	1 316
Electricity	244	230	235	245	242	427
<b>Exports</b>						
Total	355	406	762	946	706	718
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1	16	333	501	271	149
Natural gas	-	-	-	-	-	-
Electricity	42	3	55	61	26	169
<b>Gross inland consumption</b>						
Total	4 021	4 289	4 406	4 492	4 625	4 764
<i>among which:</i> Solid fuels	100	89	68	82	87	106
Crude oil and petrol. prod.	1 169	1 294	1 358	1 382	1 479	1 622
Natural gas	1 291	1 347	1 332	1 358	1 407	1 360
Nuclear Energy	-	-	-	-	-	-
Renewables	1 259	1 325	1 459	1 481	1 434	1 413
<b>Transformation input</b>						
Total	1 107	1 126	1 059	1 049	1 073	1 017
<i>among which:</i> Crude oil and feedstocks	9	5	1	1	2	2
Petroleum products	104	77	67	52	30	26
Hard coal	8	7	7	6	5	10
Lignite and peat	24	16	1	1	1	2
Renewables	151	168	175	164	170	163
<b>Transformation output</b>						
Total	919	944	875	877	904	857
<i>among which:</i> Electricity	129	143	132	132	185	171
Heat	789	801	743	744	718	685

		LATVIJA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		3 613	3 814	3 921	4 030	4 200	4 364
<i>among which:</i>	Solid fuels	67	60	59	74	80	94
	Petroleum products	1 156	1 244	1 300	1 328	1 468	1 606
	Natural Gas	447	456	492	508	513	523
	Renewables	891	956	1 011	1 024	1 025	1 005
	Electricity	417	445	463	490	526	566
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		621	628	669	705	741	724
<i>among which:</i>	Solid fuels	12	10	10	27	36	50
	Petroleum Products	101	107	105	90	100	95
	Natural Gas	282	275	284	295	290	282
	Renewables	74	72	104	124	144	120
	Electricity	131	138	140	146	151	156
<b>Transport</b>							
Total		899	959	1 012	1 066	1 179	1 333
<i>among which:</i>	Motor spirit	357	357	359	352	391	427
	Diesel oil	482	527	568	615	678	787
	Jet fuel	28	40	48	59	67	80
	Electricity	10	10	10	10	10	10
<b>Services&amp;households</b>							
Total		2 093	2 227	2 240	2 258	2 280	2 307
<i>among which:</i>	Solid fuels	55	50	49	47	44	44
	Gas oil	117	135	140	133	151	151
	Natural Gas	164	180	206	212	222	239
	Renewables	817	883	906	897	878	884
	Electricity	276	298	312	334	364	400
	Heat	613	626	573	581	567	550

### 3.1 Electricity balance

	LATVIJA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		3 975	3 975	4 689	4 905	4 891	4 771
<i>among which:</i>							
Hydro		2 463	2 266	3 109	3 325	2 698	2 733
Wind		11	48	49	47	46	53
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		1 501	1 661	1 531	1 533	2 147	1 985
<i>of which:</i>							
Hard coal		-	-	-	-	-	1
Lignite and peat		38	22	-	-	-	-
Petroleum products		139	82	60	6	5	17
Natural gas		1 314	1 533	1 433	1 485	2 100	1 924
Derived gases		-	-	-	-	-	-
Biomass		10	24	38	42	42	43
Industrial wastes		-	-	-	-	-	-
Total net generation		3 831	3 782	4 498	4 714	4 677	4 577
<b>Imports and exports</b>							
Total imports		2 838	2 671	2 733	2 855	2 810	4 964
Total exports		490	38	636	707	302	1 964
<b>Consumption and losses</b>							
Consumption of the energy branch		481	526	520	516	468	391
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		993	902	885	836	818	798
Final energy consumption		4 849	5 180	5 381	5 701	6 113	6 582
<i>of which:</i>							
Industry		1 526	1 605	1 634	1 700	1 759	1 816
<i>among which:</i>							
Iron&steel industry		137	137	147	144	157	147
Non-ferrous metals		3	3	3	3	2	2
Chemical industry		75	75	66	72	75	59
Non-met. mineral prod.		100	105	105	164	155	184
Food, drink, tobacco		308	313	298	318	323	351
Pulp, paper and print		36	39	42	43	38	42
Engineering & metal		199	211	217	226	224	227
Other industries		447	502	557	605	673	688
Transport		111	115	116	120	120	116
Services & households etc.		3 212	3 460	3 631	3 881	4 234	4 650
<i>among which:</i>							
Households		1 317	1 421	1 467	1 572	1 728	1 794

### 3.2 Electrical capacity, fuel inputs and heat

		LATVIJA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	2 141	2 155	2 156	2 165	2 150	2 131
<b>by source:</b>							
Conventional thermal		589	592	594	603	588	569
<i>of which:</i>							
Steam		561	560	558	429	369	343
Gas turbine		1	1	1	1	1	1
Combined cycle		-	-	-	146	192	192
Internal combustion		27	31	35	27	26	33
Nuclear		-	-	-	-	-	-
Hydro		1 529	1 537	1 536	1 536	1 536	1 536
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		23	26	26	26	26	26
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		2 108	2 122	2 124	2 132	2 119	2 114
Autoproducers		33	33	32	33	31	17
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	592	609	582	576	678	644
<i>among which:</i>							
Hard coal		-	-	-	-	-	5
Lignite and peat		23	14	-	-	-	-
Petroleum products		50	34	26	13	13	12
Natural gas		510	548	535	541	642	606
Renewables		9	13	21	21	22	20
Heating plants		514	515	475	473	394	373
<i>among which:</i>							
Hard coal		8	7	7	6	5	5
Lignite and peat		1	1	1	1	1	2
Petroleum products		55	43	41	38	16	13
Natural gas		301	304	272	284	222	209
Renewables		141	155	154	143	149	143
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	789	801	743	744	718	685
<i>among which: in heating plants</i>		437	439	389	393	320	301
Heat consumption		629	641	587	598	582	564
<i>of which: in industry</i>		15	15	15	16	15	13
in households and services		613	626	573	581	567	550
<i>among which: in households</i>		466	476	433	439	426	414

## 4.1 Crude oil and feedstocks

	LATVIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	16	7	3	4	22	29
Total exports	-	-	-	-	-	-
Stock changes	-2	1	-	-	-2	2
Refinery intake	-	-	-	-	-	-
<b>Imports of Crude Oil by origin</b>						
<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

	LATVIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	-	-	-	-	-	-
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Total imports	1 315	1 465	1 870	2 145	1 926	1 846
Total exports	1	16	336	507	261	142
Bunkers	208	190	205	264	200	181
Stock changes	22	1	-6	-46	-41	25
Gross inland consumption	1 138	1 270	1 326	1 338	1 431	1 556
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	-	1
United Kingdom	2	-	21	2	5	-
Norway	24	37	35	86	262	112
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	286	322	418	413	561	441
Kerosene and jet fuel	29	36	113	178	76	83
Gas/diesel oil	613	669	776	900	896	954
Residual fuel oil	219	224	208	244	161	122
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	76	67	126	44
Kerosene and jet fuel	-	-	-	-	1	-
Gas/diesel oil	1	-	50	116	106	41
Residual fuel oil	-	-	200	293	-	-
<b>Consumption</b>						
Inputs to electricity plants	52	36	27	14	14	13
Inputs to heating plants	57	45	43	40	17	14
Non-energy use	76	80	81	97	109	114
Final energy consumption	1 128	1 219	1 273	1 296	1 433	1 563
Industry						
<i>among which by product:</i>						
Gas/diesel oil	29	28	32	33	36	47
Residual fuel oil	27	17	10	12	12	11

	LATVIJA						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		23	23	23	21	23	23
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		4	3	-	-	-	-
Non-met. mineral prod.		21	44	41	26	29	12
Food, drink, tobacco		32	24	22	22	23	19
Pulp, paper and print		-	-	-	-	-	-
Engineering & metal		2	2	2	3	4	3
Other industries		18	16	22	21	24	37
Transport		860	918	970	1 020	1 129	1 281
<i>among which:</i>							
Motor spirit		340	340	342	335	372	406
Jet fuel		27	39	47	57	65	78
Diesel oil		474	518	558	604	666	773
Services & households etc.		163	185	189	182	199	185
<i>among which:</i>							
Gas oil		115	133	138	131	148	148
Residual fuel oil		13	12	11	13	10	1
<b>Stocks at end of period</b>							
Crude oil and feedstocks		2	1	1	1	3	1
Petroleum products		174	173	179	225	267	241



## 5. Natural gas

<i>in TJ (GCV)</i>	LATVIJA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	53 210	65 403	80 880	66 710	71 174	61 201
Total exports	-	-	-	-	-	-
Stock changes	6 870	-2 728	-18 897	-3 541	-5 738	2 046
Gross inland consumption	60 080	62 675	61 983	63 169	65 436	63 247
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	53 210	65 403	80 880	66 710	71 174	61 201
<b>Consumption</b>						
Inputs to electricity plants	23 748	25 488	24 898	25 156	29 886	28 200
Inputs to heat plants	14 003	14 165	12 635	13 230	10 322	9 711
Consumption of energy branch	896	972	969	969	1 043	633
Distribution losses	635	822	596	186	298	372
Non-energy use	-	-	-	-	-	-
Industry	13 106	12 782	13 231	13 714	13 489	13 133
<i>among which:</i>						
Iron&steel industry	4 331	4 410	4 473	4 583	4 546	4 576
Non-ferrous metals	299	336	298	224	223	223
Chemical industry	299	336	447	485	522	410
Non-met. mineral prod.	2 613	2 093	2 050	2 646	2 087	2 195
Food, drink, tobacco	2 875	2 616	3 094	2 982	3 093	2 604
Pulp, paper and print	149	187	186	224	261	223
Engineering & metal	411	524	484	484	633	596
Other industries	897	1 047	1 006	1 192	1 490	1 711
Transport	75	75	75	75	75	74
Services & households etc.	7 617	8 371	9 579	9 839	10 323	11 124
<i>among which:</i>						
Households	3 659	4 074	4 398	4 659	4 807	5 097
Services	3 249	3 475	4 175	4 360	4 733	5 320

## 6.1 Hard coal

	LATVIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	102	124	95	116	160	150
Total exports	-	-	-	-	-	-
Stock changes	-	-23	3	4	-30	12
Gross inland consumption	102	101	98	120	130	162
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	99	120	94	115	160	150
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	-	-	-	-	-	8
Inputs to heat plants	12	11	11	9	8	8
Consumption of energy branch	1	1	1	1	-	1
Industry						
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	1	1	1	26	43	69
Food, drink, tobacco	4	5	4	4	3	3
Pulp, paper and print	1	1	1	1	1	-
Engineering & metal	-	-	-	1	1	1
Other industries	1	1	1	1	1	1
Services & households etc.	81	80	78	75	71	70

## 6.2 Coal derivatives and peat

		LATVIJA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		142	8	13	12	14	11
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		10	6	7	7	6	4
<i>among which:</i>							
Iron & steel industry		9	5	7	7	5	4
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	1
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	1
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	1 575	1 728	1 837	1 854	1 839	1 794
Hydro (excl. pumping)		212	195	267	286	232	235
Wind		1	4	4	4	4	5
Solar		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Biomass		1 362	1 529	1 565	1 564	1 603	1 555
	<i>among which:</i>						
Wood, wood-waste		1 361	1 526	1 558	1 554	1 586	1 532
Municipal solid waste		-	-	-	-	-	-
Biogas		1	4	7	8	8	8
Gross inland consumption		1 259	1 325	1 459	1 481	1 434	1 413
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		151	168	175	164	170	163
	<i>among which:</i>						
Wood, wood-waste		149	166	171	158	164	157
Municipal waste		-	-	-	-	-	-
Biogas		1	2	4	6	6	6
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	891	956	1 011	1 024	1 025	1 005
	<i>by sector:</i>						
Industry		74	72	104	124	144	120
Services & households etc.		817	883	906	897	878	884
Transport		-	-	-	3	3	2
	<i>by source:</i>						
Biomass		891	956	1 011	1 024	1 025	1 005
	<i>among which:</i>						
Wood, wood-waste		891	954	1 008	1 019	1 020	1 002
Municipal waste		-	-	-	-	-	-
Biogas		-	2	3	2	2	2
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		24	43	46	40	26	49
Hydro with installed capacity > 1 & <10 MW		8	14	23	22	14	19
Hydro with installed capacity > 10 MW		2 431	2 213	3 040	3 263	2 659	2 665
Wood, Wood-waste		6	6	6	6	7	5
Municipal waste		-	-	-	-	-	-
Biogas		5	18	32	36	35	38

		LATVIJA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		17	20	18	18	18	18
Hydro with installed capacity > 1 & <10 MW		1	6	7	7	7	7
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
Municipal waste		-	-	-	-	-	-
Biogas		5	5	6	7	7	7
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	2	12	21
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	-



## 1. Energy economy Key figures and energy indicators

		LIETUVA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	4 812	5 105	4 963	3 683	3 244	3 521
Net energy imports		3 739	4 105	4 439	5 119	5 481	5 778
Net oil imports		2 004	2 235	2 562	2 700	2 792	2 688
Net gas imports		2 169	2 355	2 343	2 492	2 480	2 976
Gross inland energy consumption		8 639	8 984	9 146	8 615	8 431	9 151
Final energy consumption		4 013	4 123	4 286	4 464	4 731	4 963
Industry		863	909	937	994	1 055	1 064
Transport		1 181	1 206	1 325	1 408	1 513	1 793
Services and households etc.		1 970	2 007	2 024	2 062	2 163	2 106
Gross electricity generation	GWh	17 721	19 488	19 274	14 784	12 482	14 007
Final electricity consumption		6 693	7 142	7 612	7 930	8 399	8 845
<b>Socio-economic statistics</b>							
Population	1000 per.	3 476	3 463	3 446	3 425	3 403	3 385
Total imports (current prices)	Mio EUR	8 794	9 400	10 737	13 492	16 608	19 271
among which:							
All energy commodities		:	:	1 324	3 059	3 466	2 891
Oil products		:	:	1 191	2 782	3 064	2 287
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	2 486	2 594	2 654	2 515	2 477	2 704
Final energy consumption / capita		1 155	1 191	1 244	1 303	1 390	1 466
Household consumption / capita		396	399	398	404	420	399
Final electricity consumption / capita	kWh/cap.	1 926	2 063	2 209	2 315	2 468	2 613
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	42.8	45.1	47.9	58.5	64.0	62.3
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	46.5	45.9	46.9	51.8	56.1	54.2
Efficiency of thermal power stations		80.2	82.6	81.9	79.9	83.4	87.5

## 2. Energy balance

### Principal aggregates by product

	LIETUVA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	4 812	5 105	4 963	3 683	3 244	3 521
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	14	13	14	20	15	15
Crude oil	444	390	308	220	184	157
Natural Gas	-	-	-	-	-	-
Nuclear heat	3 648	3 994	3 896	2 666	2 232	2 536
Hydro-electricity	30	28	36	39	34	36
Biomass	666	677	706	734	776	766
<b>Imports</b>						
Total	9 407	10 540	12 335	12 855	12 516	10 379
<i>among which:</i> Hard coal	134	177	158	176	236	217
Crude oil and feedstocks	6 415	7 329	9 007	9 244	8 724	5 904
Petroleum products	290	311	444	426	520	708
Natural Gas	2 169	2 355	2 343	2 492	2 480	2 976
Electricity	390	356	369	485	500	503
<b>Exports</b>						
Total	5 668	6 435	7 896	7 736	7 035	4 601
<i>among which:</i> Crude oil and feedstocks	127	294	197	151	117	158
Petroleum products	4 574	5 111	6 692	6 819	6 336	3 766
Natural gas	-	-	-	-	-	-
Electricity	947	1 004	988	740	537	621
<b>Gross inland consumption</b>						
Total	8 639	8 984	9 146	8 615	8 431	9 151
<i>among which:</i> Solid fuels	147	187	182	201	274	265
Crude oil and petrol. prod.	2 529	2 388	2 604	2 769	2 721	2 764
Natural gas	2 170	2 354	2 348	2 476	2 454	2 892
Nuclear Energy	3 648	3 994	3 896	2 666	2 232	2 536
Renewables	703	708	736	758	787	812
<b>Transformation input</b>						
Total	12 046	12 983	14 460	13 868	12 379	9 946
<i>among which:</i> Crude oil and feedstocks	6 773	7 345	8 890	9 458	8 468	5 899
Petroleum products	395	243	222	224	214	110
Hard coal	7	7	7	7	7	6
Lignite and peat	7	8	9	7	8	17
Renewables	109	125	157	154	177	184
<b>Transformation output</b>						
Total	9 350	10 081	11 576	11 789	10 656	8 164
<i>among which:</i> Electricity	1 457	1 591	1 576	1 201	1 003	1 113
Heat	1 202	1 227	1 184	1 192	1 249	1 174



		LIETUVA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		4 013	4 123	4 286	4 464	4 731	4 963
<i>among which:</i>	Solid fuels	134	173	169	190	262	247
	Petroleum products	1 403	1 388	1 510	1 610	1 679	1 896
	Natural Gas	419	432	481	503	544	557
	Renewables	592	594	576	574	580	582
	Electricity	575	614	655	682	722	761
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		863	909	937	994	1 055	1 064
<i>among which:</i>	Solid fuels	54	86	87	94	134	139
	Petroleum Products	104	67	79	94	83	73
	Natural Gas	243	248	271	290	312	298
	Renewables	81	99	103	101	92	90
	Electricity	219	226	236	244	252	265
<b>Transport</b>							
Total		1 181	1 206	1 325	1 408	1 513	1 793
<i>among which:</i>	Motor spirit	377	375	359	352	371	437
	Diesel oil	618	620	711	775	833	997
	Jet fuel	31	33	39	46	52	72
	Electricity	4	5	5	5	5	5
<b>Services&amp;households</b>							
Total		1 970	2 007	2 024	2 062	2 163	2 106
<i>among which:</i>	Solid fuels	80	87	82	96	128	108
	Gas oil	39	38	40	44	43	44
	Natural Gas	177	184	209	213	232	259
	Renewables	511	494	473	470	469	440
	Electricity	352	383	414	433	465	491
	Heat	728	740	735	733	762	721

### 3.1 Electricity balance

	LIETUVA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		17 721	19 488	19 274	14 784	12 482	14 007
<i>among which:</i>							
Hydro		781	985	943	820	802	958
Wind		-	-	1	2	14	106
Geothermal		-	-	-	-	-	-
Nuclear		14 142	15 484	15 102	10 337	8 651	9 833
Conventional thermal		2 798	3 019	3 228	3 625	3 015	3 110
<i>of which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	1	12
Petroleum products		547	327	361	401	329	408
Natural gas		2 109	2 518	2 691	3 017	2 464	2 405
Derived gases		-	-	-	-	-	-
Biomass		4	7	6	7	25	54
Industrial wastes		138	167	170	200	196	231
Total net generation		16 078	17 878	17 706	13 584	11 393	12 878
<b>Imports and exports</b>							
Total imports		4 532	4 144	4 293	5 641	5 812	5 846
Total exports		11 018	11 674	11 488	8 607	6 240	7 218
<b>Consumption and losses</b>							
Consumption of the energy branch		2 689	2 751	2 672	2 299	2 169	2 143
<i>of which:</i>							
Consumption for pumped-storage		153	230	197	143	162	206
Network losses		1 426	1 405	1 273	1 220	1 081	1 110
Final energy consumption		6 693	7 142	7 612	7 930	8 399	8 845
<i>of which:</i>							
Industry		2 546	2 630	2 744	2 833	2 933	3 081
<i>among which:</i>							
Iron&steel industry		40	34	32	29	25	36
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		507	551	554	598	671	780
Non-met. mineral prod.		232	236	211	230	272	275
Food, drink, tobacco		454	451	453	496	513	567
Pulp, paper and print		99	86	86	91	97	107
Engineering & metal		391	399	431	386	287	225
Other industries		472	526	650	714	762	798
Transport		52	53	54	56	58	56
Services & households etc.		4 095	4 459	4 814	5 041	5 408	5 708
<i>among which:</i>							
Households		1 811	1 895	2 066	2 141	2 350	2 464

### 3.2 Electrical capacity, fuel inputs and heat

		LIETUVA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	5 696	5 705	5 708	4 531	4 562	4 588
<b>by source:</b>							
Conventional thermal		2 466	2 469	2 470	2 470	2 471	2 483
<i>of which:</i>							
Steam		2 466	2 467	2 446	2 442	2 442	2 444
Gas turbine		-	2	23	23	23	26
Combined cycle		-	-	1	5	6	13
Internal combustion		-	-	-	-	-	-
Nuclear		2 367	2 367	2 367	1 183	1 183	1 183
Hydro		863	869	870	877	877	875
<i>among which:</i>							
Pumped storage		760	760	760	760	760	760
Wind		-	-	1	1	31	47
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		5 655	5 664	5 669	4 494	4 526	4 397
Autoproducers		66	66	64	62	61	216
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	983	1 033	1 141	1 221	1 161	1 008
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	7
Petroleum products		227	143	159	172	164	67
Natural gas		736	873	973	1 044	977	894
Renewables		20	18	9	5	20	39
Heating plants		639	607	528	519	513	498
<i>among which:</i>							
Hard coal		7	7	7	7	7	6
Lignite and peat		3	3	3	3	3	4
Petroleum products		167	100	62	52	50	42
Natural gas		372	390	308	308	296	301
Renewables		89	106	148	149	157	144
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	1 202	1 227	1 184	1 192	1 249	1 174
among which: in heating plants		599	581	480	482	491	513
Heat consumption		890	922	895	905	944	920
<i>of which: in industry</i>		162	182	161	172	182	199
in households and services		728	740	735	733	762	721
among which: in households		544	544	535	532	549	499

## 4.1 Crude oil and feedstocks

	LIETUVA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	434	382	302	216	181	154
Total imports	6 276	7 177	8 822	9 061	8 577	5 807
Total exports	124	288	193	148	115	155
Stock changes	80	-75	-187	211	-286	49
Refinery intake	6 625	7 191	8 707	9 271	8 325	5 802
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	-	-	-	-	-
Near and Middle East	-	-	-	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	5
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	6 214	7 088	8 177	8 871	8 038	4 591
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	LIETUVA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	6 542	7 106	8 629	9 206	8 257	5 776
<i>among which:</i>						
Motor spirit	1 719	1 882	2 331	2 462	2 172	1 569
Kerosene and jet fuel	655	695	850	832	764	503
Naphtha	-	-	-	-	-	-
Gas/diesel oil	1 850	2 064	2 523	2 781	2 246	1 493
Residual fuel oil	1 229	1 381	1 673	1 799	1 938	1 381
Total imports	292	309	444	434	515	703
Total exports	4 472	5 011	6 568	6 696	6 244	3 719
Bunkers	111	112	116	147	142	122
Stock changes	90	-71	14	-249	157	-13
Gross inland consumption	-4 197	-4 884	-6 224	-6 656	-5 709	-3 147
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	1	1	-	1	-	9
United Kingdom	1	-	-	1	15	1
Norway	9	12	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	2	2	4	26	88	8
Kerosene and jet fuel	25	25	23	-	13	16
Gas/diesel oil	51	39	123	87	92	290
Residual fuel oil	118	124	159	158	152	137
Exports by product						
<i>among which:</i>						
Motor spirit	1 396	1 563	2 062	2 177	2 033	1 209
Kerosene and jet fuel	483	415	544	495	511	108
Gas/diesel oil	1 401	1 651	2 180	2 194	1 660	1 023
Residual fuel oil	742	979	1 347	1 417	1 664	1 108
<b>Consumption</b>						
Inputs to electricity plants	239	150	168	182	173	72
Inputs to heating plants	175	104	65	54	52	44
Non-energy use	146	161	206	227	221	211
Final energy consumption	1 355	1 336	1 455	1 553	1 621	1 836
Industry						
<i>among which by product:</i>						
Gas/diesel oil	21	23	25	37	30	28
Residual fuel oil	79	38	48	46	35	15

	LIETUVA						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		-	-	-	-	-	-
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		1	1	-	-	1	1
Non-met. mineral prod.		52	14	27	35	33	27
Food, drink, tobacco		20	20	19	19	18	17
Pulp, paper and print		1	1	-	-	-	-
Engineering & metal		5	2	3	1	1	-
Other industries		22	23	24	32	27	29
Transport		1 133	1 156	1 270	1 348	1 434	1 675
<i>among which:</i>							
Motor spirit		359	357	342	335	353	416
Jet fuel		30	32	38	45	51	70
Diesel oil		607	609	699	762	819	980
Services & households etc.		115	112	105	110	101	83
<i>among which:</i>							
Gas oil		38	37	39	43	42	43
Residual fuel oil		6	7	5	4	2	3
<b>Stocks at end of period</b>							
Crude oil and feedstocks		181	256	443	232	518	469
Petroleum products		638	709	695	944	789	834

## 5. Natural gas

	LIETUVA					
	<i>in TJ (GCV)</i>	2002	2003	2004	2005	2006
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	100 879	109 549	108 991	115 949	115 354	138 425
Total exports	-	-	-	-	-	-
Stock changes	74	-37	223	-744	-1 191	-3 907
Gross inland consumption	100 953	109 512	109 214	115 205	114 163	134 518
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	100 879	109 549	108 991	115 949	115 354	138 425
<b>Consumption</b>						
Inputs to electricity plants	34 242	40 590	45 250	48 561	45 464	41 602
Inputs to heat plants	17 317	18 122	14 307	14 326	13 765	13 991
Consumption of energy branch	565	501	500	862	1 324	1 377
Distribution losses	706	1 106	993	467	76	37
Non-energy use	28 121	28 522	25 147	26 986	27 804	51 574
Industry	11 286	11 549	12 629	13 476	14 520	13 842
<i>among which:</i>						
Iron&steel industry	4	7	59	56	52	51
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	279	390	2 057	2 243	3 799	2 679
Non-met. mineral prod.	1 422	1 424	1 318	1 793	1 879	1 972
Food, drink, tobacco	4 212	4 473	4 123	4 104	4 294	4 681
Pulp, paper and print	1 017	468	59	71	49	74
Engineering & metal	1 275	1 402	1 537	1 492	841	535
Other industries	1 637	1 815	2 003	2 315	2 148	2 585
Transport	-	-	-	-	-	-
Services & households etc.	8 213	8 556	9 738	9 932	10 775	12 058
<i>among which:</i>						
Households	5 124	5 466	5 909	6 255	6 515	6 848
Services	1 790	1 861	2 415	2 353	2 504	3 349

## 6.1 Hard coal

	LIETUVA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	223	295	264	293	394	362
Total exports	-	-	-	2	3	8
Stock changes	-12	-24	-1	-7	5	25
Gross inland consumption	211	271	263	284	396	379
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	215	286	258	291	389	359
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants						
Inputs to heat plants	11	12	12	11	11	10
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	74	124	125	129	190	199
Food, drink, tobacco	3	2	1	2	2	2
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	1
Other industries	1	3	2	2	2	1
Services & households etc.	120	129	121	138	188	165



## 6.2 Coal derivatives and peat

		LIETUVA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		50	46	50	70	55	53
Brown coal briquettes		11	15	15	11	14	13
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		10	12	12	18	24	24
<i>among which:</i>							
Iron & steel industry		-	-	-	2	2	2
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		15	14	13	26	17	6
<i>among which:</i>							
Industry		1	1	1	-	-	-
Services & households		14	13	12	26	17	6
Brown coal briquettes		11	16	19	18	29	21
<i>among which:</i>							
Industry		-	-	1	1	1	1
Services & households		11	16	18	17	28	20
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	706	708	745	776	813	813
Hydro (excl. pumping)		30	28	36	39	34	36
Wind		-	-	0	0	1	9
Solar		-	-	-	-	-	-
Geothermal		9	3	3	3	2	2
Biomass		666	677	706	734	776	766
	<i>among which:</i>						
Wood, wood-waste		665	675	701	722	759	732
Municipal solid waste		-	-	-	-	-	-
Biogas		1	2	2	2	2	2
Gross inland consumption		703	708	736	758	787	812
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		9	3	3	3	2	2
Biomass		100	122	154	151	175	182
	<i>among which:</i>						
Wood, wood-waste		99	121	153	150	174	181
Municipal waste		-	-	-	-	-	-
Biogas		1	1	1	1	1	1
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	592	594	576	574	580	582
	<i>by sector:</i>						
Industry		81	99	103	101	92	90
Services & households etc.		511	494	473	470	469	440
Transport		-	-	1	3	19	52
	<i>by source:</i>						
Biomass		592	594	576	574	580	582
	<i>among which:</i>						
Wood, wood-waste		591	593	575	570	560	529
Municipal waste		-	-	-	-	-	-
Biogas		1	1	1	1	1	1
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		25	29	43	45	40	67
Hydro with installed capacity > 1 & <10 MW		11	12	18	21	15	28
Hydro with installed capacity > 10 MW		317	284	359	385	341	325
Wood, Wood-waste		4	6	4	3	19	48
Municipal waste		-	-	-	-	-	-
Biogas		-	-	2	4	5	5

		LIETUVA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		9	13	14	19	19	17
Hydro with installed capacity > 1 & <10 MW		4	6	6	8	8	8
Hydro with installed capacity > 10 MW		90	90	90	90	90	90
Wood, Wood-waste		2	2	2	2	26	28
Municipal waste		-	-	-	-	-	-
Biogas		2	2	3	3	3	2
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	4	14	20	40
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	-



## 1. Energy economy Key figures and energy indicators

		LUXEMBOURG					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	56	60	73	74	79	82
Net energy imports		3 950	4 154	4 535	4 622	4 662	4 537
Net oil imports		2 509	2 694	2 951	3 081	3 012	2 879
Net gas imports		1 053	1 064	1 199	1 179	1 234	1 203
Gross inland energy consumption		3 990	4 208	4 621	4 714	4 712	4 655
Final energy consumption		3 745	3 967	4 350	4 446	4 398	4 379
Industry		889	890	963	940	1 019	959
Transport		2 134	2 339	2 591	2 721	2 631	2 619
Services and households etc.		722	737	796	785	747	801
Gross electricity generation	GWh	3 676	3 612	4 145	4 129	4 333	4 001
Final electricity consumption		5 673	6 015	6 377	6 158	6 529	6 710
<b>Socio-economic statistics</b>							
Population	1000 per.	444	448	455	461	469	476
Total imports (current prices)	Mio EUR	29 049	29 251	35 244	40 205	48 828	53 710
among which:							
All energy commodities		660	706	960	1 317	1 471	1 493
Oil products		:	695	946	1 297	1 445	1 376
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	8 987	9 387	10 155	10 221	10 046	9 775
Final energy consumption / capita		8 435	8 848	9 560	9 639	9 374	9 196
Household consumption / capita		1 387	1 397	1 472	1 412	1 302	1 388
Final electricity consumption / capita	kWh/cap.	12 777	13 417	14 015	13 352	13 918	14 091
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	99.0	98.7	98.1	98.0	98.9	97.5
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	93.9	94.3	94.1	94.3	93.3	94.1
Efficiency of thermal power stations		59.0	59.2	58.6	58.8	59.2	58.4

## 2. Energy balance

### Principal aggregates by product

	LUXEMBOURG					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	56	60	73	74	79	82
<i>among which:</i>						
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	10	7	9	8	9	9
Biomass	44	51	59	60	63	65
<b>Imports</b>						
Total	4 219	4 407	4 819	4 906	4 951	4 792
<i>among which:</i>						
Hard coal	89	74	90	78	107	76
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	2 525	2 708	2 966	3 096	3 020	2 886
Natural Gas	1 053	1 064	1 199	1 179	1 234	1 203
Electricity	548	557	559	550	587	589
<b>Exports</b>						
Total	270	253	284	284	289	255
<i>among which:</i>						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	17	14	15	15	8	7
Natural gas	-	-	-	-	-	-
Electricity	253	239	269	269	281	248
<b>Gross inland consumption</b>						
Total	3 990	4 208	4 621	4 714	4 712	4 655
<i>among which:</i>						
Solid fuels	93	78	94	82	110	80
Crude oil and petrol. prod.	2 492	2 688	2 964	3 100	2 983	2 915
Natural gas	1 053	1 064	1 199	1 179	1 234	1 203
Nuclear Energy	-	-	-	-	-	-
Renewables	56	60	73	74	79	117
<b>Transformation input</b>						
Total	449	466	563	568	597	538
<i>among which:</i>						
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	29	36	43	43	47	49
<b>Transformation output</b>						
Total	265	276	330	334	353	314
<i>among which:</i>						
Electricity	228	229	278	274	289	260
Heat	36	47	51	61	64	54

		LUXEMBOURG					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		3 745	3 967	4 350	4 446	4 398	4 379
<i>among which:</i>	Solid fuels	93	78	94	82	110	80
	Petroleum products	2 479	2 676	2 960	3 080	2 961	2 903
	Natural Gas	633	633	680	678	684	714
	Renewables	15	16	16	16	17	52
	Electricity	488	517	548	529	561	577
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		889	890	963	940	1 019	959
<i>among which:</i>	Solid fuels	92	78	94	81	110	80
	Petroleum Products	54	49	56	74	79	78
	Natural Gas	405	398	427	421	436	403
	Renewables	-	-	-	-	-	-
	Electricity	318	342	360	342	366	381
<b>Transport</b>							
Total		2 134	2 339	2 591	2 721	2 631	2 619
<i>among which:</i>	Motor spirit	584	595	556	510	472	453
	Diesel oil	1 162	1 342	1 596	1 768	1 743	1 684
	Jet fuel	375	390	425	431	405	434
	Electricity	9	9	9	8	10	10
<b>Services&amp;households</b>							
Total		722	737	796	785	747	801
<i>among which:</i>	Solid fuels	1	0	0	0	0	-
	Gas oil	297	293	319	290	257	249
	Natural Gas	228	236	253	257	247	310
	Renewables	15	16	15	16	16	16
	Electricity	161	166	179	179	186	186
	Heat	16	23	26	39	36	37

### 3.1 Electricity balance

	LUXEMBOURG						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		3 676	3 612	4 145	4 129	4 333	4 001
<i>among which:</i>							
Hydro		994	917	859	877	917	918
Wind		25	26	39	53	58	64
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		2 656	2 668	3 238	3 181	3 337	2 998
<i>of which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		2 593	2 603	3 153	3 106	3 247	2 895
Derived gases		-	-	-	-	-	-
Biomass		63	65	85	75	90	103
Industrial wastes		-	-	-	-	-	-
Total net generation		3 618	3 559	4 107	4 086	4 280	3 939
<b>Imports and exports</b>							
Total imports		6 377	6 481	6 506	6 392	6 824	6 847
Total exports		2 939	2 777	3 132	3 131	3 267	2 887
<b>Consumption and losses</b>							
Consumption of the energy branch		362	307	332	346	358	352
<i>of which:</i>							
Consumption for pumped-storage		305	255	303	321	326	311
Network losses		197	153	48	102	132	131
Final energy consumption		5 673	6 015	6 377	6 158	6 529	6 710
<i>of which:</i>							
Industry		3 694	3 978	4 191	3 979	4 259	4 426
<i>among which:</i>							
Iron&steel industry		1 960	1 874	1 913	1 709	1 895	2 047
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		299	362	392	384p	400p	403p
Non-met. mineral prod.		-	-	-	-	-	-
Food, drink, tobacco		84	102	110	109p	113p	114p
Pulp, paper and print		-	-	-	-	-	-
Engineering & metal		640	777	841	824p	858p	863p
Other industries		348	422	458	485p	505p	508p
Transport		104	104	105	95	111	118
Services & households etc.		1 875	1 933	2 081	2 084	2 159	2 166
<i>among which:</i>							
Households		737	750	807	810p	839p	834p



### 3.2 Electrical capacity, fuel inputs and heat

		LUXEMBOURG					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	1 598	1 614	1 634	1 276	1 638	1 638
<b>by source:</b>							
Conventional thermal		443	452	459	101	463	463
<i>of which:</i>							
Steam		9	9	9	9	9	9
Gas turbine		378	378	378	378	378	378
Combined cycle		-	-	-	-	-	-
Internal combustion		66	65	72	73	76	76
Nuclear		-	-	-	-	-	-
Hydro		1 140	1 140	1 140	1 140	1 140	1 140
<i>among which:</i>							
Pumped storage		1 100	1 100	1 100	1 100	1 100	1 100
Wind		15	22	35	35	35	35
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		1 490	1 491	1 491	1 491	1 497	1 497
Autoproducers		107	136	165	167	166	168
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	449	466	563	568	597	538
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		420	431	520	525	550	489
Renewables		29	36	43	43	47	49
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	36	47	51	61	64	54
<i>among which: in heating plants</i>		-	-	-	-	-	-
Heat consumption		36	47	51	61	64	54
<i>of which: in industry</i>		20	23	26	22	28	17
in households and services		16	23	26	39	36	37
<i>among which: in households</i>		16	23	26	35	32	32

## 4.1 Crude oil and feedstocks

	LUXEMBOURG					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Refinery intake	-	-	-	-	-	-
<b>Imports of Crude Oil by origin</b>						
<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

	LUXEMBOURG					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	-	-	-	-	-	-
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Total imports	2 459	2 638	2 893	3 023	2 950	2 818
Total exports	16	13	14	14	8	6
Bunkers	-	-	-	-	-	-
Stock changes	-16	-6	13	18	-28	35
Gross inland consumption	2 427	2 619	2 892	3 027	2 914	2 847
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	76	126	269	346	313	145
United Kingdom	-	-	-	-	-	-
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	554	573	529	479	454	427
Kerosene and jet fuel	371	378	412	421	400	426
Gas/diesel oil	1 491	1 646	1 915	2 083	2 058	1 936
Residual fuel oil	6	5	4	2	2	1
Exports by product						
<i>among which:</i>						
Motor spirit	2	1	1	1	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	8	5	6	8	4	1
Residual fuel oil	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	-	-	-	-	-	-
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	11	14	13	21	22	14
Final energy consumption	2 414	2 607	2 887	3 006	2 891	2 834
Industry						
<i>among which by product:</i>						
Gas/diesel oil	32	31	42	62	68	68
Residual fuel oil	6	5	4	2	2	1

	LUXEMBOURG						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		4	2	2	2	2	2
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		4	3	3	3	3	3
Non-met. mineral prod.		5	5	7	5	4	4
Food, drink, tobacco		3	6	7	6	6	7
Pulp, paper and print		-	-	-	-	-	-
Engineering & metal		-	-	-	-	-	-
Other industries		29	29	32	51	56	52
Transport		2 067	2 268	2 515	2 645	2 557	2 511
<i>among which:</i>							
Motor spirit		556	566	529	485	449	431
Jet fuel		365	380	414	420	394	423
Diesel oil		1 142	1 319	1 569	1 738	1 713	1 655
Services & households etc.		295	291	317	289	257	247
<i>among which:</i>							
Gas oil		292	288	314	285	253	245
Residual fuel oil		-	-	-	-	-	-
<b>Stocks at end of period</b>							
Crude oil and feedstocks		-	-	-	-	-	-
Petroleum products		124	130	117	99	127	92

## 5. Natural gas

<i>in TJ (GCV)</i>	LUXEMBOURG					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	48 986	49 499	55 794	54 829	57 404	55 948
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	48 986	49 499	55 794	54 829	57 404	55 948
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	19 541	20 039	24 177	24 434	25 564	22 742
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Distribution losses	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-
Industry	18 843	18 496	19 849	19 584	20 302	18 763
<i>among which:</i>						
Iron&steel industry	8 343	8 231	8 568	7 906	9 054	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	10 500	10 265	11 281	11 678	11 248	18 763
Transport	-	-	-	-	-	-
Services & households etc.	10 602	10 964	11 768	11 942	11 511	14 443
<i>among which:</i>						
Households	10 602	10 964	11 768	11 942	11 511	14 443
Services	-	-	-	-	-	-

## 6.1 Hard coal

	LUXEMBOURG						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		-	-	-	-	-	-
Total imports		127	106	129	111	153	109
Total exports		-	-	-	-	-	-
Stock changes		-	-	-	-	-	-
Gross inland consumption		127	106	129	111	153	109
<b>Imports</b>							
Imports by origin							
<i>among which:</i>							
Australia		-	-	-	-	-	-
Colombia		-	-	-	-	-	-
Russia		-	-	-	-	-	-
South Africa		55	45	62	49	52	51
USA		-	-	-	-	-	-
<b>Consumption</b>							
Inputs to electricity plants							
		-	-	-	-	-	-
Inputs to heat plants							
		-	-	-	-	-	-
Consumption of energy branch							
		-	-	-	-	-	-
Industry							
		127	106	129	111	153	109
<i>among which:</i>							
Iron&steel industry		47	42	40	34	49	44
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		-	-	-	-	-	-
Non-met. mineral prod.		80	64	89	77	104	65
Food, drink, tobacco		-	-	-	-	-	-
Pulp, paper and print		-	-	-	-	-	-
Engineering & metal		-	-	-	-	-	-
Other industries		-	-	-	-	-	-
Services & households etc.							
		-	-	-	-	-	-

## 6.2 Coal derivatives and peat

		LUXEMBOURG					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Brown coal briquettes		8	8	8	8	7	7
<i>among which:</i>							
Industry		6	7	7	7	6	7
Services & households		2	1	1	1	1	-
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	56	60	73	74	79	82
Hydro (excl. pumping)		10	7	9	8	9	9
Wind		2	2	3	5	5	6
Solar		0	0	1	2	2	2
Geothermal		-	-	-	-	-	-
Biomass		44	51	59	60	63	65
	<i>among which:</i>						
Wood, wood-waste		15	15	15	15	16	16
Municipal solid waste		27	31	38	36	38	39
Biogas		2	4	5	7	9	10
Gross inland consumption		56	60	73	74	79	117
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		29	36	43	43	47	49
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		27	31	38	36	38	39
Biogas		2	4	5	7	9	10
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	15	16	16	16	17	52
	<i>by sector:</i>						
Industry		-	-	-	-	-	-
Services & households etc.		15	16	15	16	16	16
Transport		-	-	1	1	1	36
	<i>by source:</i>						
Biomass		15	15	16	16	16	51
	<i>among which:</i>						
Wood, wood-waste		15	15	15	15	16	16
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		1	1	9	18	21	21
Hydro with installed capacity < 1 MW		5	5	5	5	5	6
Hydro with installed capacity > 1 & <10 MW		108	72	95	85	106	102
Hydro with installed capacity > 10 MW		-	-	-	-	-	-
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		52	48	76	48	57	66
Biogas		9	17	20	27	33	37



		LUXEMBOURG					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	18	24	25	25	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
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	1	1	1	1
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	2	3	4	4	6	6



## 1. Energy economy Key figures and energy indicators

		MAGYARORSZÁG					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	11 132	10 684	10 166	10 439	10 353	10 174
Net energy imports		14 777	16 346	16 095	17 514	17 350	16 589
Net oil imports		4 794	4 751	4 963	5 872	6 106	6 288
Net gas imports		8 705	9 940	9 278	9 807	9 417	8 557
Gross inland energy consumption		25 929	27 054	26 557	28 041	27 783	27 020
Final energy consumption		16 998	17 611	17 505	18 111	18 022	16 946
Industry		3 755	3 478	3 389	3 422	3 461	3 377
Transport		3 599	3 750	3 882	4 196	4 680	4 673
Services and households etc.		9 644	10 383	10 233	10 492	9 882	8 896
Gross electricity generation	GWh	36 161	34 145	33 708	35 755	35 859	39 959
Final electricity consumption		31 484	31 396	31 818	32 336	33 238	33 744
<b>Socio-economic statistics</b>							
Population	1000 per.	10 175	10 142	10 117	10 098	10 077	10 066
Total imports (current prices)	Mio EUR	45 921	48 240	54 708	60 137	69 988	79 852
among which:							
All energy commodities		:	:	1 807	3 498	6 688	6 539
Oil products		:	:	511	1 015	3 243	3 406
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	2 548	2 667	2 625	2 777	2 757	2 684
Final energy consumption / capita		1 671	1 736	1 730	1 794	1 788	1 683
Household consumption / capita		592	654	599	636	621	551
Final electricity consumption / capita	kWh/cap.	3 094	3 096	3 145	3 202	3 299	3 352
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	57.0	60.4	60.6	62.5	62.4	61.4
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	65.6	65.1	65.9	64.6	64.9	62.7
Efficiency of thermal power stations		48.8	47.1	48.9	50.3	51.2	49.8

## 2. Energy balance

### Principal aggregates by product

	MAGYARORSZÁG					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	11 132	10 684	10 166	10 439	10 353	10 174
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	2 683	2 709	2 182	1 748	1 757	1 773
Crude oil	1 606	1 619	1 578	1 427	1 356	1 207
Natural Gas	2 356	2 286	2 367	2 331	2 382	2 005
Nuclear heat	3 599	2 841	3 074	3 569	3 472	3 786
Hydro-electricity	17	15	18	17	16	18
Biomass	784	818	860	1 118	1 245	1 288
<b>Imports</b>						
Total	18 090	19 549	19 308	21 742	21 894	21 349
<i>among which:</i> Hard coal	700	949	1 186	1 304	1 474	1 688
Crude oil and feedstocks	5 187	5 484	5 717	6 700	7 170	7 213
Petroleum products	2 159	1 808	2 087	2 440	2 316	2 369
Natural Gas	8 705	9 940	9 278	9 807	9 532	8 715
Electricity	1 084	1 210	905	1 345	1 324	1 262
<b>Exports</b>						
Total	3 312	3 203	3 213	4 229	4 544	4 760
<i>among which:</i> Crude oil and feedstocks	11	13	154	366	835	619
Petroleum products	2 541	2 527	2 687	2 902	2 545	2 675
Natural gas	-	-	-	-	115	158
Electricity	718	614	263	809	704	920
<b>Gross inland consumption</b>						
Total	25 929	27 054	26 557	28 041	27 783	27 020
<i>among which:</i> Solid fuels	3 633	3 797	3 523	3 049	3 040	3 138
Crude oil and petrol. prod.	6 620	7 008	6 613	7 537	7 824	7 608
Natural gas	10 811	11 886	11 712	12 094	11 457	10 705
Nuclear Energy	3 599	2 841	3 074	3 569	3 472	3 786
Renewables	889	921	966	1 225	1 342	1 420
<b>Transformation input</b>						
Total	18 142	18 207	17 840	19 249	19 626	20 621
<i>among which:</i> Crude oil and feedstocks	7 447	7 624	7 606	8 584	8 736	8 825
Petroleum products	620	498	252	135	171	152
Hard coal	435	675	796	916	1 272	1 425
Lignite and peat	2 612	2 655	2 280	1 715	1 620	1 679
Renewables	63	83	244	544	462	543
<b>Transformation output</b>						
Total	12 372	12 610	12 662	13 792	14 261	14 643
<i>among which:</i> Electricity	3 092	2 921	2 880	3 056	3 064	3 408
Heat	1 474	1 523	1 494	1 508	1 467	1 362

		MAGYARORSZÁG					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		16 998	17 611	17 505	18 111	18 022	16 946
<i>among which:</i>	Solid fuels	683	675	702	684	702	588
	Petroleum products	4 419	4 451	4 502	4 798	5 091	5 151
	Natural Gas	6 988	7 509	7 488	7 736	7 104	6 112
	Renewables	809	823	702	656	855	844
	Electricity	2 707	2 700	2 736	2 780	2 858	2 901
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		3 755	3 478	3 389	3 422	3 461	3 377
<i>among which:</i>	Solid fuels	411	396	478	432	435	446
	Petroleum Products	326	294	231	262	201	236
	Natural Gas	1 572	1 468	1 301	1 320	1 299	1 256
	Renewables	18	51	58	76	167	106
	Electricity	882	824	817	797	808	814
<b>Transport</b>							
Total		3 599	3 750	3 882	4 196	4 680	4 673
<i>among which:</i>	Motor spirit	1 500	1 499	1 522	1 552	1 617	1 611
	Diesel oil	1 795	1 910	2 007	2 275	2 642	2 645
	Jet fuel	205	201	218	230	270	249
	Electricity	87	90	94	94	103	105
<b>Services&amp;households</b>							
Total		9 644	10 383	10 233	10 492	9 882	8 896
<i>among which:</i>	Solid fuels	264	274	220	247	267	142
	Gas oil	295	274	270	225	110	227
	Natural Gas	5 414	6 039	6 185	6 414	5 803	4 854
	Renewables	791	772	644	575	677	709
	Electricity	1 738	1 786	1 825	1 889	1 947	1 982
	Heat	846	1 008	870	921	861	831

### 3.1 Electricity balance

	MAGYARORSZÁG						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		36 161	34 145	33 708	35 755	35 859	39 959
<i>among which:</i>							
Hydro		194	171	205	203	186	210
Wind		1	4	6	10	43	110
Geothermal		-	-	-	-	-	-
Nuclear		13 953	11 013	11 915	13 834	13 461	14 677
Conventional thermal		22 013	22 957	21 582	21 708	22 169	24 962
<i>of which:</i>							
Hard coal		93	307	432	343	352	550
Lignite and peat		8 890	8 863	7 746	6 680	6 650	6 823
Petroleum products		2 137	1 626	773	455	521	535
Natural gas		10 740	11 883	11 719	12 377	13 160	15 232
Derived gases		80	84	161	123	90	114
Biomass		73	194	751	1 716	1 358	1 703
Industrial wastes		-	-	-	14	38	5
Total net generation		33 480	31 379	31 262	33 215	33 345	37 220
<b>Imports and exports</b>							
Total imports		12 605	14 077	10 524	15 637	15 393	14 680
Total exports		8 349	7 138	3 056	9 410	8 186	10 694
<b>Consumption and losses</b>							
Consumption of the energy branch		4 531	5 448	5 378	5 705	5 862	6 242
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		4 399	4 240	3 980	3 941	3 964	3 959
Final energy consumption		31 484	31 396	31 818	32 336	33 238	33 744
<i>of which:</i>							
Industry		10 255	9 585	9 497	9 271	9 394	9 471
<i>among which:</i>							
Iron&steel industry		685	645	593	759	780	738
Non-ferrous metals		1 085	1 053	1 058	906	508	470
Chemical industry		3 048	2 050	2 102	2 127	2 407	2 640
Non-met. mineral prod.		977	966	971	913	938	937
Food, drink, tobacco		1 403	1 538	1 362	1 233	1 247	1 189
Pulp, paper and print		450	490	511	579	560	485
Engineering & metal		1 432	1 551	1 763	2 008	2 125	2 192
Other industries		885	974	857	484	614	621
Transport		1 015	1 045	1 093	1 096	1 199	1 222
Services & households etc.		20 214	20 766	21 228	21 969	22 645	23 051
<i>among which:</i>							
Households		10 440	11 063	11 032	11 115	11 451	11 250

### 3.2 Electrical capacity, fuel inputs and heat

		MAGYARORSZÁG					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	8 514	8 711	8 633	8 586	8 620	8 542
<b>by source:</b>							
Conventional thermal		6 599	6 788	6 715	6 654	6 672	6 607
<i>of which:</i>							
Steam		5 001	5 012	4 478	4 608	4 426	4 378
Gas turbine		410	691	678	633	678	483
Combined cycle		986	835	1 130	950	1 068	1 311
Internal combustion		202	160	265	425	500	435
Nuclear		1 866	1 866	1 866	1 866	1 866	1 825
Hydro		48	54	49	49	49	49
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		1	3	3	17	33	61
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		8 317	8 126	8 444	8 451	8 620	8 359
Autoproducers		196	585	189	135	-	183
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	5 921	6 386	5 757	5 659	5 613	6 139
<i>among which:</i>							
Hard coal		27	107	155	220	223	253
Lignite and peat		2 567	2 615	2 222	1 704	1 611	1 670
Petroleum products		583	458	204	122	122	135
Natural gas		2 584	3 052	2 842	2 992	3 112	3 451
Renewables		51	72	234	530	451	529
Heating plants		569	604	635	629	630	567
<i>among which:</i>							
Hard coal		1	6	28	79	63	72
Lignite and peat		45	34	54	10	9	9
Petroleum products		15	16	31	13	48	4
Natural gas		496	502	483	472	447	418
Renewables		13	10	10	13	11	14
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	1 474	1 523	1 494	1 508	1 467	1 362
<i>among which: in heating plants</i>							
		461	470	518	513	488	439
Heat consumption		1 297	1 362	1 223	1 297	1 240	1 189
<i>of which: in industry</i>							
		451	353	352	376	380	358
<i>in households and services</i>							
		846	1 008	870	921	861	831
<i>among which: in households</i>							
		607	709	673	703	664	621

## 4.1 Crude oil and feedstocks

	MAGYARORSZÁG						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		1 582	1 598	1 560	1 412	1 345	1 196
Total imports		5 110	5 413	5 651	6 630	7 112	7 145
Total exports		11	13	152	362	828	613
Stock changes		21	-4	-152	-44	106	90
Refinery intake		7 336	7 524	7 516	8 489	8 656	8 734
<b>Imports of Crude Oil by origin</b>							
<i>by region of origin:</i>							
OPEC		-	-	-	-	-	-
Near and Middle East		-	-	-	-	-	-
Africa		-	-	-	-	-	-
<i>by country of origin:</i>							
Algeria		-	-	-	-	-	-
Irak		-	-	-	-	-	-
Iran		-	-	-	-	-	-
Kazakhstan		77	-	15	23	35	62
Kuwait		-	-	-	-	-	-
Libya		-	-	-	-	-	-
Mexico		-	-	-	-	-	-
Nigeria		-	-	-	-	-	-
Norway		-	-	-	-	-	-
Russia		4 942	5 273	5 425	6 453	6 791	6 765
Saudi Arabia		-	-	-	-	-	-
Syria		-	-	-	-	-	-
United Arab Emirates		-	-	-	-	-	-



## 4.2 Petroleum products

	MAGYARORSZÁG					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	7 164	7 398	7 416	8 380	8 599	8 639
<i>among which:</i>						
Motor spirit	1 573	1 477	1 465	1 317	1 343	1 322
Kerosene and jet fuel	184	202	239	266	280	273
Naphtha	742	835	842	1 155	1 175	1 217
Gas/diesel oil	3 096	3 142	2 989	3 515	3 498	3 722
Residual fuel oil	358	367	313	218	232	200
Total imports	2 135	1 785	2 049	2 384	2 263	2 310
Total exports	2 528	2 526	2 681	2 898	2 557	2 697
Bunkers	-	-	-	-	-	-
Stock changes	121	-92	6	-68	79	-4
Gross inland consumption	-272	-82	-459	-219	-129	-391
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	-	3	-	5	13	1
United Kingdom	-	-	-	-	-	-
Norway	1	-	-	-	-	-
OPEC	-	-	-	-	2	-
Imports by product						
<i>among which:</i>						
Motor spirit	292	288	372	515	426	428
Kerosene and jet fuel	59	-	-	-	-	1
Gas/diesel oil	992	881	1 173	1 341	1 319	1 423
Residual fuel oil	503	404	205	123	94	27
Exports by product						
<i>among which:</i>						
Motor spirit	496	343	342	340	253	197
Kerosene and jet fuel	47	5	22	120	10	39
Gas/diesel oil	1 293	1 373	1 298	1 377	1 257	1 304
Residual fuel oil	54	83	109	56	60	45
<b>Consumption</b>						
Inputs to electricity plants	604	478	213	128	129	141
Inputs to heating plants	16	17	28	13	50	4
Non-energy use	1 209	1 067	1 495	1 937	2 024	1 827
Final energy consumption	4 294	4 334	4 365	4 685	4 967	5 042
Industry						
<i>among which by product:</i>						
Gas/diesel oil	120	31	26	37	35	28
Residual fuel oil	149	160	169	67	44	42

	MAGYARORSZÁG						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		-	-	3	-	-	1
Non-ferrous metals		-	2	-	2	2	1
Chemical industry		37	56	38	64	26	26
Non-met. mineral prod.		101	191	104	158	143	181
Food, drink, tobacco		55	22	57	25	13	11
Pulp, paper and print		10	7	9	9	7	9
Engineering & metal		5	10	3	3	6	3
Other industries		7	14	13	22	24	14
Transport		3 393	3 538	3 665	3 966	4 429	4 404
<i>among which:</i>							
Motor spirit		1 427	1 426	1 448	1 477	1 539	1 533
Jet fuel		200	196	212	224	263	242
Diesel oil		1 764	1 877	1 973	2 236	2 597	2 600
Services & households etc.		564	481	466	424	307	361
<i>among which:</i>							
Gas oil		290	269	265	221	108	223
Residual fuel oil		34	17	12	6	5	4
<b>Stocks at end of period</b>							
Crude oil and feedstocks		1 263	799	947	992	886	784
Petroleum products		2 145	1 471	1 425	1 548	1 477	1 466

## 5. Natural gas

<i>in TJ (GCV)</i>	MAGYARORSZÁG					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	109 582	106 329	110 100	108 422	110 815	93 251
Total imports	404 952	462 396	431 618	456 244	443 423	405 422
Total exports	-	-	-	-	5 347	7 334
Stock changes	-11 627	-15 786	3 135	-2 056	-15 922	6 650
Gross inland consumption	502 907	552 939	544 853	562 610	532 969	497 989
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	362 278	419 493	347 748	335 020	351 905	300 491
<b>Consumption</b>						
Inputs to electricity plants	120 217	142 000	132 233	139 181	144 754	160 521
Inputs to heat plants	23 092	23 372	22 461	21 937	20 806	19 459
Consumption of energy branch	8 132	8 005	7 084	13 535	9 600	6 818
Distribution losses	13 326	15 561	16 058	11 274	12 790	8 564
Non-energy use	9 680	10 188	14 949	16 728	15 769	18 232
Industry	73 117	68 291	60 530	61 393	60 415	58 425
<i>among which:</i>						
Iron&steel industry	7 083	6 085	5 833	6 416	5 319	4 684
Non-ferrous metals	5 450	5 106	5 240	4 636	4 721	4 344
Chemical industry	11 387	10 047	8 213	9 174	8 820	10 034
Non-met. mineral prod.	16 851	15 292	12 748	12 109	11 408	11 386
Food, drink, tobacco	16 986	15 698	13 853	12 106	13 164	11 621
Pulp, paper and print	3 502	3 720	3 086	2 786	3 451	3 322
Engineering & metal	7 947	8 568	8 488	10 103	9 867	9 865
Other industries	2 429	2 305	1 851	2 898	2 877	2 516
Transport	89	93	91	124	130	98
Services & households etc.	251 861	280 939	287 742	298 380	269 947	225 819
<i>among which:</i>						
Households	158 788	183 608	166 001	182 742	169 518	147 671
Services	82 854	87 940	111 805	105 411	91 411	71 084

## 6.1 Hard coal

<i>in 1 000 t</i>	MAGYARORSZÁG					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	1 114	1 499	1 916	2 153	2 433	2 652
Total exports	1	1	6	2	6	65
Stock changes	28	39	-	-74	142	-22
Gross inland consumption	1 141	1 537	1 910	2 077	2 569	2 565
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	32	88	115	32	64
Colombia	-	-	-	-	-	-
Russia	112	369	838	866	770	920
South Africa	-	-	-	-	-	-
USA	29	7	3	52	105	486
<b>Consumption</b>						
Inputs to electricity plants	49	188	296	493	499	536
Inputs to heat plants	1	11	54	165	131	141
Consumption of energy branch	-	-	-	-	-	-
Industry	116	65	121	192	211	166
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	112	65	121	189	208	163
Food, drink, tobacco	-	-	-	2	3	2
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	1	-	1
Services & households etc.	387	407	353	371	398	247

## 6.2 Coal derivatives and peat

		MAGYARORSZÁG					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		432	593	664	614	921	1 017
Patent Fuel		-	-	-	-	-	-
Lignite and peat		13 027	13 301	11 242	9 570	9 952	9 818
Brown coal briquettes		4	29	35	30	24	10
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		2 848	4 416	4 337	4 563	8 200	9 155
Blast-furnace gas		7 242	6 502	7 705	7 784	7 748	7 927
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		498	514	587	474	461	495
<i>among which:</i>							
Iron & steel industry		464	482	549	448	440	477
Services & households		9	8	8	1	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		244	235	136	103	124	100
<i>among which:</i>							
Industry		29	37	28	3	4	26
Services & households		215	190	108	100	120	74
Brown coal briquettes		61	63	40	41	37	22
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		55	57	35	36	37	22
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		538	1 412	1 805	1 758	3 122	3 573
Blast-furnace gas		3 020	2 378	2 999	3 270	3 232	2 751
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		4 585	3 467	4 231	3 701	3 651	4 300
Inputs to heat plants		-	1 455	1 217	1 789	2 207	2 102
Consumption of energy branch		1 947	2 206	1 790	1 829	3 736	4 109
Consumption in industry		3 558	3 790	4 804	5 028	6 354	6 324

## 7. Renewable energy sources

		MAGYARORSZÁG					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	889	921	966	1 225	1 352	1 404
Hydro (excl. pumping)		17	15	18	17	16	18
Wind		0	0	1	1	4	9
Solar		2	2	2	2	2	3
Geothermal		86	86	86	87	86	86
Biomass		784	818	860	1 118	1 245	1 288
	<i>among which:</i>						
Wood, wood-waste		734	777	821	1 040	1 128	1 146
Municipal solid waste		48	36	33	66	94	108
Biogas		2	5	6	7	12	17
Gross inland consumption		889	921	966	1 225	1 342	1 420
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		7	7	6	6	5	5
Biomass		56	76	238	538	457	538
	<i>among which:</i>						
Wood, wood-waste		6	37	201	469	359	423
Municipal waste		48	36	33	66	94	108
Biogas		2	3	4	3	5	6
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	809	823	702	656	855	844
	<i>by sector:</i>						
Industry		18	51	58	76	167	106
Services & households etc.		791	772	644	575	677	709
Transport		-	-	-	5	11	29
	<i>by source:</i>						
Biomass		728	742	620	574	772	760
	<i>among which:</i>						
Wood, wood-waste		728	740	619	568	758	727
Municipal waste		-	-	-	-	-	-
Biogas		-	2	1	1	3	5
Geothermal		79	79	80	80	81	81
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		6	5	12	13	16	16
Hydro with installed capacity > 1 & <10 MW		22	19	31	36	31	24
Hydro with installed capacity > 10 MW		166	147	162	153	139	170
Wood, Wood-waste		6	109	678	1 574	1 134	1 374
Municipal waste		59	67	52	118	187	282
Biogas		6	18	22	25	37	47

		MAGYARORSZÁG					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		1	1	3	5	3	3
Hydro with installed capacity > 1 & <10 MW		8	8	9	7	9	9
Hydro with installed capacity > 10 MW		39	45	39	37	37	37
Wood, Wood-waste		44	40	189	390	328	306
Municipal waste		25	25	25	24	29	42
Biogas		2	4	4	6	8	19
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	8	17	23
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	45	45p	65





# 1. Energy economy

## Key figures and energy indicators

		MALTA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	-	-	-	-	-	-
Net energy imports		1 565	1 818	1 902	1 600	1 648	1 786
Net oil imports		1 565	1 818	1 902	1 600	1 648	1 786
Net gas imports		-	-	-	-	-	-
Gross inland energy consumption		829	911	930	943	897	946
Final energy consumption		391	468	465	464	435	427
Industry		44	48	47	46	46	46
Transport		208	272	270	267	252	244
Services and households etc.		139	149	148	151	138	138
Gross electricity generation	GWh	2 052	2 236	2 216	2 240	2 296	2 296
Final electricity consumption		1 657	1 817	1 798	1 720	1 852	1 851
<b>Socio-economic statistics</b>							
Population	1000 per.	395	397	400	403	405	408
Total imports (current prices)	Mio EUR	3 679	3 649	3 731	3 952	4 704	5 030
among which:							
All energy commodities		:	:	103	217	254	345
Oil products		:	:	100	208	244	338
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	2 101	2 293	2 327	2 341	2 215	2 320
Final energy consumption / capita		990	1 179	1 164	1 152	1 074	1 048
Household consumption / capita		198	209	206	220	199	198
Final electricity consumption / capita	kWh/cap.	4 199	4 573	4 496	4 271	4 573	4 539
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	100.0	100.0	100.0	100.0	100.0	100.0
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	47.1	51.4	50.0	49.2	48.5	45.2
Efficiency of thermal power stations		32.6	33.9	32.7	30.0	31.8	29.8

## 2. Energy balance

### Principal aggregates by product

in 1 000 toe	MALTA					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	-	-	-	-	-	-
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	-	-	-	-	-	-
Biomass	-	-	-	-	-	-
<b>Imports</b>						
Total	1 565	1 818	1 902	1 600	1 648	1 786
<i>among which:</i> Hard coal	-	-	-	-	-	-
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 565	1 818	1 902	1 600	1 648	1 786
Natural Gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
<b>Exports</b>						
Total	-	-	-	-	-	-
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
<b>Gross inland consumption</b>						
Total	829	911	930	943	897	946
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Crude oil and petrol. prod.	829	911	930	943	897	946
Natural gas	-	-	-	-	-	-
Nuclear Energy	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
<b>Transformation input</b>						
Total	541	567	582	642	622	664
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	541	567	582	642	622	664
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
<b>Transformation output</b>						
Total	176	192	191	193	197	197
<i>among which:</i> Electricity	176	192	191	193	197	197
Heat	-	-	-	-	-	-

<i>in 1 000 toe</i>	<b>MALTA</b>					
	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Final energy consumption</b>						
Total	391	468	465	464	435	427
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Petroleum products	248	312	311	316	276	268
Natural Gas	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Electricity	142	156	155	148	159	159
<b>Final energy consumption by sector</b>						
<b>Industry</b>						
Total	44	48	47	46	46	46
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Petroleum Products	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Electricity	44	48	47	46	46	46
<b>Transport</b>						
Total	208	272	270	267	252	244
<i>among which:</i> Motor spirit	46	74	61	71	80	67
Diesel oil	72	119	109	105	95	88
Jet fuel	89	79	101	90	77	89
Electricity	-	-	-	-	-	-
<b>Services&amp;households</b>						
Total	139	149	148	151	138	138
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Gas oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Renewables	-	-	-	-	-	-
Electricity	99	108	107	102	114	114
Heat	-	-	-	-	-	-

### 3.1 Electricity balance

	MALTA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		2 052	2 236	2 216	2 240	2 296	2 296
<i>among which:</i>							
Hydro		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		2 052	2 236	2 216	2 240	2 296	2 296
<i>of which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		2 052	2 236	2 216	2 240	2 296	2 296
Natural gas		-	-	-	-	-	-
Derived gases		-	-	-	-	-	-
Biomass		-	-	-	-	-	-
Industrial wastes		-	-	-	-	-	-
Total net generation		1 927	2 111	2 087	2 214	2 129	2 165
<b>Imports and exports</b>							
Total imports		-	-	-	-	-	-
Total exports		-	-	-	-	-	-
<b>Consumption and losses</b>							
Consumption of the energy branch		125	125	127	100	167	131
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		270	294	291	296p	276	285
Final energy consumption		1 657	1 817	1 798	1 720	1 852	1 851
<i>of which:</i>							
Industry		510	556	550	534	530	530
<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		510	556	550	534	530	530
Transport		-	-	-	-	-	-
Services & households etc.		1 147	1 261	1 248	1 186	1 322	1 321
<i>among which:</i>							
Households		570	627	621	623	658	658

### 3.2 Electrical capacity, fuel inputs and heat

		MALTA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	515	571	571	571	571	571
<b>by source:</b>							
Conventional thermal		515	571	571	571	571	571
<i>of which:</i>							
Steam		300	350	350	350	350	350
Gas turbine		105	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		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		515	571	571	571	571	571
Autoproducers		-	-	-	-	-	-
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	541	567	582	642	622	664
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		541	567	582	642	622	664
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	-	-	-	-	-	-
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		-	-	-	-	-	-
<i>of which: in industry</i>							
		-	-	-	-	-	-
	in households and services	-	-	-	-	-	-
<i>among which: in households</i>							
		-	-	-	-	-	-

## 4.1 Crude oil and feedstocks

	MALTA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Refinery intake	-	-	-	-	-	-
<b>Imports of Crude Oil by origin</b>						
<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

	MALTA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	-	-	-	-	-	-
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Total imports	1 604	1 865	1 951	1 638	1 687	1 832
Total exports	-	-	-	-	-	-
Bunkers	761	940	1 005	678	774	868
Stock changes	-	-	-	-	-	-
Gross inland consumption	843	925	946	960	913	964
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	75	70	59	69	76	65
Kerosene and jet fuel	99	92	114	88	77	89
Gas/diesel oil	254	330	347	312	331	333
Residual fuel oil	1 147	1 344	1 402	1 136	1 183	1 325
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	564	589	606	668	647	691
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-
Final energy consumption	241	303	302	307	266	259
Industry						
<i>among which by product:</i>						
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-

	MALTA						
	in 1 000 t	2002	2003	2004	2005	2006	2007
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		202	264	263	259	244	237
<i>among which:</i>							
Motor spirit		44	70	58	68	76	64
Jet fuel		87	77	98	88	75	87
Diesel oil		71	117	107	103	93	86
Services & households etc.		39	39	39	48	22	22
<i>among which:</i>							
Gas oil		-	-	-	-	-	-
Residual fuel oil		-	-	-	-	-	-
<b>Stocks at end of period</b>							
Crude oil and feedstocks		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-



## 5. Natural gas

<i>in TJ (GCV)</i>	MALTA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
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					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	-	-	-	-	-	-
South Africa	-	-	-	-	-	-
USA	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants						
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	-	-	-	-	-	-
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

## 6.2 Coal derivatives and peat

		MALTA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
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		-	-	-	-	-	-
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		-	-	-	-	-	-
<i>among which:</i>							
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
<b>Final consumption of RES (excl. electricity)</b>							
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		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<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					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<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		-	-	-	-	-	-
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	-	-
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	-



## 1. Energy economy Key figures and energy indicators

		NEDERLAND					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	60 425	58 452	67 674	61 899	60 763	60 992
Net energy imports		32 545	36 691	31 404	38 390	37 227	38 784
Net oil imports		41 236	42 139	45 462	48 868	47 883	49 396
Net gas imports		-18 450	-16 204	-24 860	-20 941	-21 131	-21 457
Gross inland energy consumption		79 719p	81 908	83 765	82 479	80 548	84 542
Final energy consumption		50 736	51 583	52 520	51 639	50 830	51 326
Industry		13 690	14 237	14 797	14 929	13 434	14 568
Transport		14 621	14 717	15 084	15 114	15 615	15 778
Services and households etc.		22 425	22 629	22 639	21 595	21 781	20 979
Gross electricity generation	GWh	95 965	96 775	100 769	100 219	98 392	103 241
Final electricity consumption		99 736	100 520	103 118	104 541	106 029	106 836
<b>Socio-economic statistics</b>							
Population	1000 per.	16 105	16 193	16 258	16 306	16 334	16 358
Total imports (current prices)	Mio EUR	268 112	270 538	289 894	313 688	351 014	376 111
among which:							
All energy commodities		24 137	25 101	28 528	44 328	57 123	53 940
Oil products		19 645	20 300	24 434	37 767	47 060	50 103
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	4 950	5 058	5 152	5 058	4 931	5 168
Final energy consumption / capita		3 150	3 186	3 230	3 167	3 112	3 138
Household consumption / capita		637	648	642	619	613	565
Final electricity consumption / capita	kWh/cap.	6 193	6 208	6 343	6 411	6 491	6 531
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	34.6	38.5	31.9	38.7	38.0	38.6
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	63.6	63.0	62.7	62.6	63.1	60.7
Efficiency of thermal power stations		53.4	53.1	54.5	60.1	57.9	57.5

## 2. Energy balance

### Principal aggregates by product

	NEDERLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	60 425	58 452	67 674	61 899	60 763	60 992
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	3 173	3 179	2 988	2 346	2 084	2 653
Natural Gas	54 275	52 212	61 585	56 265	55 395	54 759
Nuclear heat	1 010	1 036	986	1 031	895	1 083
Hydro-electricity	9	6	8	8	9	9
Biomass	1 864	1 885	1 927	2 050	2 123	2 168
<b>Imports</b>						
Total	143 659	144 499	149 222	158 377	168 706	165 858
<i>among which:</i> Hard coal	13 381	13 588	14 785	12 673	14 320	15 805
Crude oil and feedstocks	57 007	59 232	62 402	63 818	61 025	63 739
Petroleum products	51 657	51 024	56 066	62 447	71 895	64 882
Natural Gas	19 175	18 256	13 502	16 440	18 042	18 438
Electricity	1 794	1 789	1 840	2 037	2 351	1 990
<b>Exports</b>						
Total	111 114	107 808	117 818	119 987	131 479	127 074
<i>among which:</i> Crude oil and feedstocks	922	1 387	1 247	1 175	692	4 340
Petroleum products	66 507	66 730	71 760	76 222	84 345	74 885
Natural gas	37 624	34 460	38 362	37 381	39 173	39 895
Electricity	386	328	446	464	506	479
<b>Gross inland consumption</b>						
Total	79 719p	81 908	83 765	82 479	80 548	84 542
<i>among which:</i> Solid fuels	8 470	8 820	9 261	8 190	7 924	8 359
Crude oil and petrol. prod.	30 694	32 498	32 997	33 527	32 674	37 168
Natural gas	35 842	35 998	36 745	35 324	34 300	33 396
Nuclear Energy	1 010	1 036	986	1 031	895	1 083
Renewables	2 085	2 094	2 382	2 834	2 909	3 024
<b>Transformation input</b>						
Total	105 898p	109 666	111 479	111 946	107 101	93 308
<i>among which:</i> Crude oil and feedstocks	82 009	85 713	86 978	87 803	84 002	69 280
Petroleum products	623	644	641	691	578	605
Hard coal	7 458	7 597	7 472	7 120	7 117	7 430
Lignite and peat	-	-	-	-	-	-
Renewables	1 607	1 579	1 795	2 224	2 191	1 966
<b>Transformation output</b>						
Total	94 665	98 365	100 304	102 574	97 378	82 833
<i>among which:</i> Electricity	8 163	8 198	8 493	8 432	8 216	8 572
Heat	2 901	2 730	3 008	4 081	3 382	3 334



		NEDERLAND					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		50 736	51 583	52 520	51 639	50 830	51 326
<i>among which:</i>	Solid fuels	1 368	1 327	1 550	1 515	1 236	1 471
	Petroleum products	16 952	17 220	17 487	17 406	17 346	18 560
	Natural Gas	20 552	21 226	21 149	19 844	19 722	18 453
	Renewables	380	384	407	413	481	758
	Electricity	8 576	8 643	8 867	8 989	9 117	9 186
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		13 690	14 237	14 797	14 929	13 434	14 568
<i>among which:</i>	Solid fuels	1 335	1 296	1 517	1 482	1 207	1 425
	Petroleum Products	1 633	1 774	1 684	1 487	987	2 165
	Natural Gas	5 370	5 905	5 993	5 751	5 534	5 378
	Renewables	77	86	108	113	133	133
	Electricity	3 531	3 500	3 556	3 576	3 573	3 636
<b>Transport</b>							
Total		14 621	14 717	15 084	15 114	15 615	15 778
<i>among which:</i>	Motor spirit	4 387	4 402	4 373	4 309	4 383	4 387
	Diesel oil	6 170	6 368	6 594	6 604	6 950	6 840
	Jet fuel	3 393	3 334	3 560	3 670	3 700	3 725
	Electricity	134	136	142	138	138	135
<b>Services&amp;households</b>							
Total		22 425	22 629	22 639	21 595	21 781	20 979
<i>among which:</i>	Solid fuels	33	30	33	33	29	46
	Gas oil	650	722	687	801	793	947
	Natural Gas	15 182	15 321	15 156	14 093	14 187	13 075
	Renewables	304	298	299	300	307	314
	Electricity	4 911	5 007	5 168	5 275	5 405	5 415
	Heat	1 163	1 107	1 121	951	928	1 066

### 3.1 Electricity balance

	NEDERLAND						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		95 965	96 775	100 769	100 219	98 392	103 241
<i>among which:</i>							
Hydro		108	72	95	88	106	107
Wind		910	1 330	1 867	2 067	2 733	3 438
Geothermal		-	-	-	-	-	-
Nuclear		3 915	4 018	3 822	3 997	3 469	4 200
Conventional thermal		91 015	91 324	94 952	94 033	92 049	95 460
<i>of which:</i>							
Hard coal		23 936	24 339	23 495	23 500	23 737	24 917
Lignite and peat		-	-	-	-	-	-
Petroleum products		2 819	2 858	2 824	2 262	2 095	2 219
Natural gas		57 028	56 876	61 013	57 856	56 664	59 038
Derived gases		2 920	3 132	2 741	3 426	2 769	3 545
Biomass		3 002	3 898	4 676	6 729	6 638	5 565
Industrial wastes		1 310	221	203	260	146	176
Total net generation		91 864	92 824	96 566	96 137	94 392	99 201
<b>Imports and exports</b>							
Total imports		20 870	20 801	21 405	23 691	27 346	23 139
Total exports		4 488	3 809	5 188	5 398	5 887	5 565
<b>Consumption and losses</b>							
Consumption of the energy branch		8 383	8 965	9 546	9 532	9 324	9 419
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		4 228	4 282	4 323	4 473	4 533	4 560
Final energy consumption		99 736	100 520	103 118	104 541	106 029	106 836
<i>of which:</i>							
Industry		41 066	40 701	41 362	41 585	41 558	42 286
<i>among which:</i>							
Iron&steel industry		2 573	2 654	2 708	2 723	2 685	2 757
Non-ferrous metals		5 769	5 828	6 328	6 332	5 718	6 005
Chemical industry		11 893	11 922	12 143	12 346	12 624	13 075
Non-met. mineral prod.		1 544	1 475	1 434	1 438	1 446	1 513
Food, drink, tobacco		6 680	6 592	6 537	6 599	6 893	7 207
Pulp, paper and print		3 752	3 694	3 682	3 663	3 686	3 708
Engineering & metal		4 792	3 904	4 017	4 000	3 945	3 558
Other industries		2 970	3 514	3 473	3 468	3 569	3 584
Transport		1 556	1 585	1 648	1 608	1 608	1 573
Services & households etc.		57 114	58 234	60 108	61 348	62 863	62 977
<i>among which:</i>							
Households		22 800	23 300	23 500	24 232	24 833	24 294

## 3.2 Electrical capacity, fuel inputs and heat

		NEDERLAND					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	20 800	20 791	21 712	21 677	22 853	23 677
<b>by source:</b>							
Conventional thermal		19 635	19 421	20 153	19 967	20 748	21 382
<i>of which:</i>							
Steam		10 374	10 216	9 712	9 759	9 469	9 548
Gas turbine		1 070	1 138	1 195	1 193	1 287	1 278
Combined cycle		6 496	6 534	7 637	7 339	7 597	7 521
Internal combustion		1 695	1 533	1 591	1 676	2 395	3 035
Nuclear		449	449	449	449	510	510
Hydro		38	37	37	37	37	37
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		678	884	1 073	1 224	1 558	1 748
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		18 277	18 152	18 595	18 804	19 159	19 112
Autoproducers		2 609	2 752	3 239	2 996	3 821	4 690
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	19 790p	19 722	20 284	19 614	18 920	19 460
<i>among which:</i>							
Hard coal		5 417	5 507	5 316	4 958	5 030	5 303
Lignite and peat		-	-	-	-	-	-
Petroleum products		623	644	641	691	578	605
Natural gas		11 441	11 455	12 094	11 277	10 772	11 092
Renewables		1 445	1 415	1 613	2 052	2 021	1 795
Heating plants		161	164	182	436	395	416
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	264	225	245
Renewables		161	164	182	172	170	171
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	2 901	2 730	3 008	4 081	3 382	3 334
<i>among which: in heating plants</i>							
		168	112	122	376	341	360
Heat consumption		2 466	2 318	2 556	2 981	2 425	2 389
<i>of which: in industry</i>							
		1 303	1 211	1 435	2 030	1 497	1 323
<i>in households and services</i>							
		1 163	1 107	1 121	951	928	1 066
<i>among which: in households</i>							
		158	174	200	171	164	204

## 4.1 Crude oil and feedstocks

	NEDERLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	3 074	3 076	2 891	2 269	2 022	2 576
Total imports	55 236	57 312	60 382	61 730	59 210	61 931
Total exports	893	1 342	1 207	1 137	671	4 262
Stock changes	98	898	-5	-240	472	-318
Refinery intake	79 828	83 351	84 561	85 341	81 817	67 405
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	21 468	21 920	23 968	26 777	25 228	22 125
Near and Middle East	18 500	18 474	16 730	16 060	13 923	10 238
Africa	4 781	4 281	2 974	6 607	6 115	9 244
<i>by country of origin:</i>						
Algeria	3 886	2 417	2 684	3 038	2 416	3 715
Irak	3 384	1 305	1 139	764	1 870	2 039
Iran	1 509	2 311	2 517	2 253	2 342	529
Kazakhstan	404	1 136	768	511	417	822
Kuwait	4 468	4 002	4 527	4 865	4 948	4 589
Libya	76	-	-	506	1 506	1 566
Mexico	85	-	-	-	47	360
Nigeria	346	1 293	94	1 635	1 808	1 593
Norway	8 035	8 428	9 312	6 868	4 789	4 539
Russia	8 413	11 665	16 324	16 933	18 690	16 975
Saudi Arabia	7 567	10 592	12 993	12 709	9 304	7 112
Syria	1 388	264	67	334	407	491
United Arab Emirates	-	-	14	-	-	-

## 4.2 Petroleum products

	NEDERLAND						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Production and supply</b>							
Total refinery output		78 714	82 275	83 486	84 676	80 839	66 121
<i>among which:</i>							
Motor spirit		15 810	15 787	15 597	14 286	13 831	10 836
Kerosene and jet fuel		6 658	7 167	7 314	7 459	7 282	7 020
Naphtha		8 655	10 222	11 084	13 906	11 643	7 486
Gas/diesel oil		19 583	20 787	20 233	21 122	19 685	19 332
Residual fuel oil		12 704	12 333	13 073	12 394	12 151	11 974
Total imports		51 208	50 428	55 523	62 170	71 543	64 505
Total exports		65 432	65 562	70 587	75 138	83 139	73 902
Bunkers		14 958	13 965	15 159	17 442	18 053	16 706
Stock changes		540	-286	-826	-658	-415	784
Gross inland consumption		-28 592	-29 385	-31 048	-31 068	-30 064	-25 319
<b>Imports and exports</b>							
Imports by origin							
<i>among which:</i>							
Netherlands		-	-	-	-	-	-
United Kingdom		5 011	4 733	5 233	5 450	6 654	8 223
Norway		1 329	1 240	1 335	1 612	2 063	1 896
OPEC		2 227	2 027	2 207	2 584	2 820	3 337
Imports by product							
<i>among which:</i>							
Motor spirit		7 270	7 821	7 906	9 177	10 513	12 021
Kerosene and jet fuel		1 196	1 082	1 759	2 412	3 063	3 217
Gas/diesel oil		12 508	9 342	10 013	9 650	13 642	9 362
Residual fuel oil		15 565	14 086	15 453	22 395	23 914	24 570
Exports by product							
<i>among which:</i>							
Motor spirit		12 327	13 851	14 801	16 292	17 338	18 521
Kerosene and jet fuel		3 424	3 783	4 561	5 380	5 777	5 955
Gas/diesel oil		21 626	20 552	20 177	21 061	24 299	20 584
Residual fuel oil		12 115	11 344	13 230	17 069	17 733	18 019
<b>Consumption</b>							
Inputs to electricity plants		574	598	588	634	518	536
Inputs to heating plants		-	-	-	-	-	-
Non-energy use		7 648	8 883	9 006	10 032	9 034	8 962
Final energy consumption		16 255	16 518	16 794	16 731	16 742	17 984
Industry							
<i>among which by product:</i>							
Gas/diesel oil		164	175	181	168	160	158
Residual fuel oil		6	21	19	18	22	24

	NEDERLAND						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		3	4	4	4	3	5
Non-ferrous metals		-	-	0	-	-	111
Chemical industry		1 191	1 257	1 188	1 088	644	866
Non-met. mineral prod.		8	17	17	18	26	32
Food, drink, tobacco		7	10	8	16	12	15
Pulp, paper and print		1	1	1	-	-	1
Engineering & metal		65	104	91	17	11	916
Other industries		114	121	118	122	160	116
Transport		14 031	14 127	14 486	14 522	14 969	14 869
<i>among which:</i>							
Motor spirit		4 174	4 189	4 161	4 100	4 171	4 174
Jet fuel		3 304	3 246	3 466	3 573	3 603	3 627
Diesel oil		6 064	6 259	6 480	6 491	6 831	6 722
Services & households etc.		809	844	840	923	903	1 039
<i>among which:</i>							
Gas oil		639	710	675	787	779	931
Residual fuel oil		-	-	20	22	3	5
<b>Stocks at end of period</b>							
Crude oil and feedstocks		5 542	4 644	4 648	4 888	4 416	4 784
Petroleum products		7 012	7 298	8 124	8 783	9 197	8 075

## 5. Natural gas

<i>in TJ (GCV)</i>	NEDERLAND					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	2 524 867	2 428 905	2 864 924	2 617 469	2 576 954	2 547 408
Total imports	892 010	849 263	628 124	764 779	839 298	857 714
Total exports	1 750 281	1 603 074	1 784 604	1 738 959	1 822 321	1 855 907
Stock changes	774	-447	925	-24	-202	905
Gross inland consumption	1 667 370	1 674 647	1 709 369	1 643 265	1 595 640	1 553 568
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	335 294	282 365	230 012	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	532 244	532 865	562 601	524 595	501 121	515 981
Inputs to heat plants	-	-	-	12 269	10 461	11 408
Consumption of energy branch	72 841	55 463	62 604	68 955	67 170	65 636
Distribution losses	-	-	-	-	-	-
Non-energy use	106 249	98 882	100 295	114 293	99 443	102 101
Industry	249 828	274 699	278 800	267 541	257 434	250 180
<i>among which:</i>						
Iron&steel industry	14 662	13 401	12 448	13 616	12 743	12 030
Non-ferrous metals	4 136	3 885	4 578	4 492	4 209	4 889
Chemical industry	88 810	99 038	101 332	95 312	90 335	87 806
Non-met. mineral prod.	24 901	25 133	25 862	25 817	25 356	26 499
Food, drink, tobacco	56 739	66 907	68 560	65 516	63 982	61 178
Pulp, paper and print	16 936	20 937	22 912	21 846	21 767	19 897
Engineering & metal	24 067	18 795	18 473	18 244	16 636	15 398
Other industries	10 331	15 547	14 103	13 729	13 523	13 529
Transport	-	-	-	-	34	34
Services & households etc.	706 268	712 738	705 069	655 612	659 977	608 228
<i>among which:</i>						
Households	364 010	372 802	367 526	349 942	342 907	308 617
Services	195 675	213 078	205 526	166 171	194 682	169 790

## 6.1 Hard coal

<i>in 1 000 t</i>	NEDERLAND					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	21 677	21 620	22 603	20 415	22 844	26 035
Total exports	8 568	7 295	9 292	7 374	9 858	11 882
Stock changes	305	-658	240	-32	-338	-708
Gross inland consumption	13 414	13 667	13 551	13 009	12 648	13 445
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	2 833	2 561	1 400	1 517	1 827	1 757
Colombia	3 026	4 362	4 515	5 703	5 923	7 500
Russia	590	288	1 269	1 609	1 803	2 407
South Africa	7 396	8 094	8 316	6 084	6 430	6 825
USA	2 350	1 181	1 823	1 654	1 437	2 324
<b>Consumption</b>						
Inputs to electricity plants	9 110	9 212	8 876	8 267	8 229	8 675
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	1 247	1 334	1 473	1 527	1 324	1 593
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	1	1	1	1	1	1
Food, drink, tobacco	39	28	17	20	18	35
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	32	33	33	32	25	31



## 6.2 Coal derivatives and peat

		NEDERLAND					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		2 127	2 154	2 216	2 250	2 174	2 172
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		17 983	19 054	19 379	19 141	18 515	19 582
Blast-furnace gas		37 146	39 385	37 457	37 714	33 563	39 418
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		652	659	680	598	553	599
<i>among which:</i>							
Iron & steel industry		583	618	639	565	513	547
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	2	-
<i>among which:</i>							
Services & households		-	-	-	-	2	-
Lignite and peat		57	44	44	50	35	58
<i>among which:</i>							
Industry		34	23	23	28	14	7
Services & households		23	21	21	22	21	51
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		7 156	7 642	9 784	9 080	9 488	9 830
Blast-furnace gas		12 026	12 603	12 235	12 386	12 536	12 388
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		27 639	29 649	26 162	26 809	21 846	28 134
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		8 308	8 545	8 655	8 580	8 208	8 648
Consumption in industry		19 182	20 245	22 019	21 466	22 024	22 218

## 7. Renewable energy sources

		NEDERLAND					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	1 967	2 024	2 116	2 257	2 389	2 496
Hydro (excl. pumping)		9	6	8	8	9	9
Wind		78	114	161	178	235	296
Solar		16	19	20	22	22	23
Geothermal		-	-	-	-	-	-
Biomass		1 864	1 885	1 927	2 050	2 123	2 168
	<i>among which:</i>						
Wood, wood-waste		499	483	474	520	560	524
Municipal solid waste		1 232	1 273	1 325	1 355	1 324	1 386
Biogas		133	129	126	122	141	173
Gross inland consumption		2 085	2 094	2 382	2 834	2 909	3 024
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		1 607	1 579	1 795	2 224	2 191	1 966
	<i>among which:</i>						
Wood, wood-waste		292	242	326	483	423	443
Municipal waste		1 232	1 273	1 325	1 355	1 324	1 386
Biogas		65	63	58	58	75	110
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	380	384	407	413	481	758
	<i>by sector:</i>						
Industry		77	86	108	113	133	133
Services & households etc.		304	298	299	300	307	314
Transport		-	-	-	-	41	311
	<i>by source:</i>						
Biomass		366	368	390	394	461	738
	<i>among which:</i>						
Wood, wood-waste		299	302	321	330	354	364
Municipal waste		-	-	-	-	-	-
Biogas		67	66	68	64	66	63
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		17	31	33	34	35	36
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		108	72	95	88	106	107
Wood, Wood-waste		1 323	1 010	1 836	2 247	1 840	1 970
Municipal waste		2 521	2 606	2 550	2 738	2 777	2 960
Biogas		304	313	290	294	361	511

		NEDERLAND					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		26	46	49	51	52	53
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		232	160	439	343	299	324
Municipal waste		394	400	400	429	429	506
Biogas		-	-	-	-	-	-
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	2	60	110	96
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	406	524	582	620	646	673



# 1. Energy economy

## Key figures and energy indicators

		ÖSTERREICH					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	9 940	9 728	9 949	9 660	10 024	10 431
Net energy imports		21 181	23 098	23 373	24 661	25 031	23 347
Net oil imports		12 538	13 267	13 483	13 298	13 864	12 862
Net gas imports		5 099	5 948	5 853	7 203	6 541	5 651
Gross inland energy consumption		31 462	33 161	33 527	34 316	34 769	33 809
Final energy consumption		25 188	26 519	26 559	27 251	27 359	26 537
Industry		7 156	7 049	7 213	7 914	8 376	8 522
Transport		7 928	8 456	8 748	8 987	8 690	8 834
Services and households etc.		10 104	11 014	10 597	10 349	10 293	9 181
Gross electricity generation	GWh	62 420	60 098	64 127	65 699	63 537	63 430
Final electricity consumption		52 632	54 040	55 238	56 293	57 483	57 459
<b>Socio-economic statistics</b>							
Population	1000 per.	8 065	8 102	8 140	8 207	8 266	8 299
Total imports (current prices)	Mio EUR	96 866	100 683	111 970	122 399	132 959	145 455
among which:							
All energy commodities		5 742	6 462	8 086	11 782	11 750	11 154
Oil products		3 264	3 527	4 554	6 117	7 382	7 164
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 901	4 093	4 119	4 182	4 206	4 074
Final energy consumption / capita		3 123	3 273	3 263	3 321	3 310	3 198
Household consumption / capita		839	909	868	858	819	738
Final electricity consumption / capita	kWh/cap.	6 526	6 670	6 786	6 860	6 954	6 924
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	67.3	69.7	69.7	71.9	72.0	69.1
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	80.1	80.0	79.2	79.4	78.7	78.5
Efficiency of thermal power stations		57.9	56.4	57.1	57.2	58.3	58.4

## 2. Energy balance

### Principal aggregates by product

in 1 000 toe	ÖSTERREICH					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	9 940	9 728	9 949	9 660	10 024	10 431
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	331	270	55	0	0	0
Crude oil	1 059	1 029	1 080	983	1 004	1 004
Natural Gas	1 597	1 776	1 667	1 403	1 564	1 589
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	3 433	2 827	3 132	3 085	2 999	3 095
Biomass	3 399	3 681	3 815	3 947	4 171	4 430
<b>Imports</b>						
Total	24 584	26 883	27 896	29 549	30 585	29 699
<i>among which:</i> Hard coal	2 758	2 718	3 096	2 997	2 857	3 066
Crude oil and feedstocks	8 872	8 331	7 924	8 254	8 372	8 119
Petroleum products	5 154	6 377	7 180	7 230	7 201	6 818
Natural Gas	5 552	6 820	7 123	8 030	8 807	8 160
Electricity	1 322	1 634	1 430	1 754	1 828	1 903
<b>Exports</b>						
Total	3 403	3 785	4 523	4 888	5 554	6 352
<i>among which:</i> Crude oil and feedstocks	6	25	5	29	15	19
Petroleum products	1 482	1 415	1 615	2 157	1 694	2 055
Natural gas	453	872	1 270	827	2 267	2 509
Electricity	1 262	1 151	1 165	1 525	1 239	1 334
<b>Gross inland consumption</b>						
Total	31 462	33 161	33 527	34 316	34 769	33 809
<i>among which:</i> Solid fuels	3 803	4 074	4 058	4 013	4 034	3 853
Crude oil and petrol. prod.	13 397	14 201	14 410	14 349	14 522	13 893
Natural gas	6 987	7 554	7 465	8 178	7 458	6 979
Nuclear Energy	-	-	-	-	-	-
Renewables	6 944	6 551	6 981	7 230	7 748	8 038
<b>Transformation input</b>						
Total	16 613	17 030	16 889	17 519	17 322	17 116
<i>among which:</i> Crude oil and feedstocks	9 706	9 284	9 004	9 374	9 209	9 250
Petroleum products	257	349	352	339	357	228
Hard coal	2 378	2 719	2 780	2 576	2 641	2 646
Lignite and peat	323	334	231	253	149	-
Renewables	805	875	1 002	1 105	1 426	1 599
<b>Transformation output</b>						
Total	14 412	14 485	14 357	14 909	14 817	14 689
<i>among which:</i> Electricity	1 738	2 101	2 084	2 215	2 074	1 972
Heat	1 185	1 280	1 369	1 441	1 589	1 513

		ÖSTERREICH					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		25 188	26 519	26 559	27 251	27 359	26 537
<i>among which:</i>	Solid fuels	1 344	1 296	1 279	1 426	1 259	1 386
	Petroleum products	10 742	11 563	11 590	11 689	11 475	10 866
	Natural Gas	4 139	4 338	4 263	4 430	4 290	4 114
	Renewables	2 687	2 817	2 767	2 926	3 170	3 142
	Electricity	4 526	4 647	4 750	4 840	4 943	4 941
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		7 156	7 049	7 213	7 914	8 376	8 522
<i>among which:</i>	Solid fuels	1 144	1 111	1 122	1 275	1 128	1 265
	Petroleum Products	527	544	568	673	781	724
	Natural Gas	2 223	2 138	2 133	2 389	2 385	2 338
	Renewables	652	590	597	652	841	920
	Electricity	1 853	1 857	2 003	2 152	2 294	2 382
<b>Transport</b>							
Total		7 928	8 456	8 748	8 987	8 690	8 834
<i>among which:</i>	Motor spirit	2 254	2 308	2 270	2 184	2 109	2 035
	Diesel oil	4 841	5 349	5 584	5 786	5 464	5 557
	Jet fuel	534	507	598	675	705	746
	Electricity	266	262	265	266	263	260
<b>Services&amp;households</b>							
Total		10 104	11 014	10 597	10 349	10 293	9 181
<i>among which:</i>	Solid fuels	199	185	157	151	131	121
	Gas oil	2 016	2 230	2 033	1 988	2 071	1 538
	Natural Gas	1 917	2 200	2 130	2 041	1 905	1 775
	Renewables	2 025	2 217	2 159	2 218	2 200	2 004
	Electricity	2 406	2 527	2 482	2 423	2 386	2 299
	Heat	978	1 034	1 103	1 149	1 258	1 178

### 3.1 Electricity balance

	ÖSTERREICH						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		62 420	60 098	64 127	65 699	63 537	63 430
<i>among which:</i>							
Hydro		42 004	35 292	38 966	38 612	37 664	38 485
Wind		203	366	924	1 328	1 752	2 015
Geothermal		3	3	2	2	3	3
Nuclear		-	-	-	-	-	-
Conventional thermal		20 203	24 426	24 221	25 742	24 103	22 910
<i>of which:</i>							
Hard coal		5 142	6 933	6 906	6 071	6 381	6 264
Lignite and peat		1 461	1 512	999	1 096	651	-
Petroleum products		1 332	1 860	1 818	1 641	1 642	1 280
Natural gas		9 370	11 106	10 944	13 014	10 670	9 871
Derived gases		1 098	992	1 204	1 320	1 318	1 328
Biomass		1 567	1 651	2 088	2 034	3 185	3 837
Industrial wastes		233	372	262	566	256	330
Total net generation		59 525	56 567	60 437	62 199	59 439	59 322
<b>Imports and exports</b>							
Total imports		15 375	19 002	16 629	20 397	21 257	22 130
Total exports		14 676	13 389	13 548	17 732	14 407	15 511
<b>Consumption and losses</b>							
Consumption of the energy branch		5 254	5 979	6 017	5 915	6 780	6 749
<i>of which:</i>							
Consumption for pumped-storage		432	502	500	538	547	489
Network losses		3 166	3 291	3 422	3 433	3 347	3 366
Final energy consumption		52 632	54 040	55 238	56 293	57 483	57 459
<i>of which:</i>							
Industry		21 555	21 598	23 292	25 027	26 674	27 707
<i>among which:</i>							
Iron&steel industry		2 656	2 683	3 095	3 439	3 503	3 792
Non-ferrous metals		662	700	767	794	830	892
Chemical industry		3 337	3 340	3 542	3 538	3 677	3 764
Non-met. mineral prod.		2 032	1 916	1 800	1 910	2 005	2 016
Food, drink, tobacco		1 290	1 322	1 443	1 636	1 896	1 959
Pulp, paper and print		4 759	4 541	4 909	4 968	4 981	5 073
Engineering & metal		3 013	3 030	3 519	3 863	4 203	4 158
Other industries		2 561	2 786	2 923	3 591	4 248	4 717
Transport		3 091	3 051	3 086	3 091	3 056	3 020
Services & households etc.		27 986	29 391	28 860	28 175	27 753	26 732
<i>among which:</i>							
Households		13 822	14 018	14 215	14 564	14 739	14 160



### 3.2 Electrical capacity, fuel inputs and heat

		ÖSTERREICH					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	<i>MW</i>	18 001	18 222	18 602	18 892	19 166	19 429
<b>by source:</b>							
Conventional thermal		6 178	6 178	6 292	6 254	6 344	6 441
<i>of which:</i>							
Steam		4 834	4 834	4 457	4 051	4 141	4 018
Gas turbine		257	257	460	505	505	578
Combined cycle		980	980	1 224	1 487	1 487	1 457
Internal combustion		107	107	151	211	211	388
Nuclear		-	-	-	-	-	-
Hydro		11 690	11 701	11 750	11 811	11 853	12 009
<i>among which:</i>							
Pumped storage		3 572	3 573	3 580	3 580	3 580	3 580
Wind		133	343	560	827	969	977
Geothermal		-	-	-	-	-	2
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		16 345	16 572	16 997	17 263	17 525	17 763
Autoproducers		1 665	1 665	1 624	1 651	1 676	1 701
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	<i>1 000 toe</i>	4 265	5 142	5 265	5 473	5 406	5 181
<i>among which:</i>							
Hard coal		1 060	1 401	1 458	1 257	1 328	1 326
Lignite and peat		323	334	231	253	149	-
Petroleum products		211	313	289	270	292	169
Natural gas		1 888	2 280	2 246	2 566	2 217	2 021
Renewables		452	515	649	732	1 038	1 227
Heating plants		625	607	591	663	625	576
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		46	36	63	70	65	58
Natural gas		227	212	175	221	171	146
Renewables		353	359	353	373	389	372
<b>Heat production and consumption</b>							
Total heat production	<i>1 000 toe</i>	1 185	1 280	1 369	1 441	1 589	1 513
<i>among which: in heating plants</i>		453	480	445	524	510	459
Heat consumption		1 113	1 177	1 260	1 326	1 462	1 392
<i>of which: in industry</i>		135	143	157	177	204	214
<i>in households and services</i>		978	1 034	1 103	1 149	1 258	1 178
<i>among which: in households</i>		418	432	510	515	567	546

## 4.1 Crude oil and feedstocks

	ÖSTERREICH					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	1 040	1 011	1 061	965	983	982
Total imports	8 711	8 189	7 786	8 100	8 202	7 946
Total exports	6	25	5	29	15	19
Stock changes	-224	-119	20	177	-140	73
Refinery intake	9 529	9 126	8 848	9 199	9 021	9 053
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	4 362	4 111	3 766	3 214	3 907	4 626
Near and Middle East	2 872	2 298	2 079	1 819	1 904	2 690
Africa	2 434	2 636	1 899	1 738	2 782	2 566
<i>by country of origin:</i>						
Algeria	260	294	251	21	304	442
Irak	1 061	170	200	-	144	920
Iran	16	-	223	525	332	529
Kazakhstan	1 233	973	1 728	1 534	1 567	1 832
Kuwait	-	128	-	-	-	-
Libya	678	841	946	321	1 137	1 730
Mexico	-	-	-	-	-	-
Nigeria	1 482	1 108	641	1 218	1 179	265
Norway	-	-	-	-	-	-
Russia	841	1 461	1 172	2 204	1 219	241
Saudi Arabia	862	1 570	1 505	1 129	811	571
Syria	930	558	151	165	617	670
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	ÖSTERREICH						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Production and supply</b>							
Total refinery output		9 406	9 035	8 814	9 182	8 988	8 997
<i>among which:</i>							
Motor spirit		1 927	1 811	1 738	1 798	1 615	1 702
Kerosene and jet fuel		485	447	456	593	539	605
Naphtha		811	740	863	637	913	937
Gas/diesel oil		3 984	3 849	3 529	3 895	3 684	3 461
Residual fuel oil		1 012	1 062	1 032	1 009	915	880
Total imports		5 095	6 304	7 097	7 130	7 100	6 714
Total exports		1 465	1 395	1 587	2 118	1 658	2 012
Bunkers		-	-	-	-	-	-
Stock changes		25	23	-192	-112	-199	-67
Gross inland consumption		3 655	4 935	5 331	4 903	5 243	4 637
<b>Imports and exports</b>							
Imports by origin							
<i>among which:</i>							
Netherlands		87	43	32	50	61	22
United Kingdom		1	11	-	18	-	3
Norway		-	-	-	-	-	-
OPEC		-	-	-	-	-	-
Imports by product							
<i>among which:</i>							
Motor spirit		706	879	1 043	1 090	959	884
Kerosene and jet fuel		45	56	142	94	199	166
Gas/diesel oil		3 462	4 351	4 883	5 031	4 953	4 889
Residual fuel oil		241	328	306	182	199	183
Exports by product							
<i>among which:</i>							
Motor spirit		496	474	614	767	562	648
Kerosene and jet fuel		2	7	7	5	4	4
Gas/diesel oil		520	539	580	909	615	944
Residual fuel oil		146	55	55	72	58	37
<b>Consumption</b>							
Inputs to electricity plants		221	328	302	282	305	177
Inputs to heating plants		48	37	66	73	68	61
Non-energy use		1 547	1 572	1 718	1 585	1 744	1 574
Final energy consumption		10 526	11 334	11 362	11 446	11 230	10 627
Industry							
<i>among which by product:</i>							
Gas/diesel oil		223	233	251	347	443	432
Residual fuel oil		214	222	215	240	260	226

	ÖSTERREICH						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		8	6	10	10	16	6
Non-ferrous metals		14	13	12	11	11	10
Chemical industry		13	12	14	13	13	14
Non-met. mineral prod.		114	120	144	119	101	91
Food, drink, tobacco		56	54	51	61	75	65
Pulp, paper and print		39	41	32	42	40	36
Engineering & metal		51	52	50	58	63	55
Other industries		216	237	256	343	437	422
Transport		7 443	7 964	8 248	8 440	8 081	8 141
<i>among which:</i>							
Motor spirit		2 145	2 196	2 160	2 078	2 007	1 936
Jet fuel		520	494	582	657	686	726
Diesel oil		4 758	5 257	5 488	5 687	5 370	5 462
Services & households etc.		2 539	2 808	2 520	2 317	2 358	1 756
<i>among which:</i>							
Gas oil		1 981	2 192	1 998	1 954	2 035	1 512
Residual fuel oil		449	492	392	243	204	138
<b>Stocks at end of period</b>							
Crude oil and feedstocks		1 639	1 750	1 730	1 588	1 733	1 660
Petroleum products		1 422	1 396	1 774	1 739	1 873	1 970

## 5. Natural gas

	ÖSTERREICH						
	<i>in TJ (GCV)</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		74 295	82 603	77 550	65 281	72 756	73 899
Total imports		258 276	317 283	331 352	373 543	409 720	379 607
Total exports		21 053	40 567	59 069	38 463	105 443	116 704
Stock changes		13 515	-7 889	-2 568	-19 898	-30 104	-12 122
Gross inland consumption		325 033	351 430	347 265	380 463	346 929	324 680
<b>Imports</b>							
Imports by origin							
<i>among which:</i>							
Algeria		-	-	-	-	-	-
Egypt		-	-	-	-	-	-
Libya		-	-	-	-	-	-
Nigeria		-	-	-	-	-	-
Norway		34 631	39 840	37 566	43 724	50 875	56 674
Oman		-	-	-	-	-	-
Qatar		-	-	-	-	-	-
Russia		199 891	239 367	241 615	264 523	244 176	216 419
<b>Consumption</b>							
Inputs to electricity plants		87 826	106 068	104 484	119 356	103 152	94 037
Inputs to heat plants		10 540	9 848	8 130	10 260	7 961	6 784
Consumption of energy branch		22 632	21 223	24 969	32 795	23 489	21 271
Distribution losses		98	91	87	91	92	93
Non-energy use		11 369	12 406	11 278	11 874	12 663	11 127
Industry		103 401	99 461	99 223	111 159	110 951	108 787
<i>among which:</i>							
Iron&steel industry		13 832	15 277	14 774	17 806	18 347	17 269
Non-ferrous metals		2 909	3 207	3 228	3 455	3 554	4 169
Chemical industry		16 116	16 283	15 159	17 195	16 475	15 649
Non-met. mineral prod.		14 821	14 448	14 362	15 260	15 134	15 331
Food, drink, tobacco		16 523	12 314	11 294	12 546	12 531	12 255
Pulp, paper and print		20 856	19 769	22 032	22 829	22 133	22 224
Engineering & metal		6 915	7 403	8 263	9 551	10 159	9 372
Other industries		5 514	5 555	5 136	7 240	7 300	7 034
Transport		-	-	-	-	-	-
Services & households etc.		89 167	102 333	99 094	94 927	88 621	82 576
<i>among which:</i>							
Households		68 527	73 837	67 814	71 444	64 549	59 265
Services		19 944	27 746	30 591	22 758	23 417	22 709

## 6.1 Hard coal

	ÖSTERREICH					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	4 091	4 030	4 511	4 405	4 199	4 506
Total exports	-	-	21	3	-	4
Stock changes	-191	350	-97	-283	126	-224
Gross inland consumption	3 900	4 380	4 393	4 119	4 325	4 278
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	34	3	8	-	-	-
Colombia	-	-	-	-	-	-
Russia	-	-	80	31	-	-
South Africa	-	-	5	10	-	-
USA	2	1	-	501	292	405
<b>Consumption</b>						
Inputs to electricity plants	1 617	2 136	2 147	1 886	2 001	1 977
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	313	280	282	273	373	355
<i>among which:</i>						
Iron&steel industry	-	-	-	-	4	5
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	71	68	62	35	29	22
Non-met. mineral prod.	157	146	137	151	218	230
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	85	66	83	87	121	97
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	1	1
Services & households etc.	69	63	59	60	58	44

## 6.2 Coal derivatives and peat

		ÖSTERREICH					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 395	1 395	1 400	1 388	1 398	1 424
Patent Fuel		-	-	-	-	-	-
Lignite and peat		1 413	1 153	236	1	1	1
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		9 579	10 722	10 911	9 871	9 682	9 524
Blast-furnace gas		29 309	28 463	29 577	28 902	32 217	33 031
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 485	1 448	1 404	1 657	1 368	1 544
<i>among which:</i>							
Iron & steel industry		1 291	1 267	1 258	1 506	1 257	1 432
Services & households		167	147	121	119	94	86
Patent Fuel		1	2	1	1	1	9
<i>among which:</i>							
Services & households		1	2	1	1	1	9
Lignite and peat		113	107	109	87	29	110
<i>among which:</i>							
Industry		74	71	79	61	10	91
Services & households		39	36	30	26	19	19
Brown coal briquettes		65	72	59	51	51	46
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		65	72	59	51	51	46
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		2 348	3 584	2 946	2 523	2 744	2 744
Blast-furnace gas		15 921	15 691	13 201	12 644	14 493	10 252
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		11 412	9 739	13 564	14 271	13 509	15 041
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		7 271	8 348	8 607	7 818	10 290	9 484
Consumption in industry		18 269	19 275	16 147	15 167	17 237	12 996

## 7. Renewable energy sources

		ÖSTERREICH					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	6 952	6 653	7 147	7 273	7 456	7 839
Hydro (excl. pumping)		3 433	2 827	3 132	3 085	2 999	3 095
Wind		17	31	79	114	151	173
Solar		74	80	86	92	101	108
Geothermal		29	34	35	35	34	32
Biomass		3 399	3 681	3 815	3 947	4 171	4 430
	<i>among which:</i>						
Wood, wood-waste		3 190	3 498	3 569	3 692	3 779	3 930
Municipal solid waste		117	138	181	171	264	248
Biogas		71	25	28	31	39	41
Gross inland consumption		6 944	6 551	6 981	7 230	7 748	8 038
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		21	27	28	29	29	26
Biomass		785	847	973	1 076	1 398	1 573
	<i>among which:</i>						
Wood, wood-waste		652	692	757	856	1 062	1 242
Municipal waste		117	138	181	171	264	248
Biogas		15	18	20	22	30	31
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	2 687	2 817	2 767	2 926	3 170	3 142
	<i>by sector:</i>						
Industry		652	590	597	652	841	920
Services & households etc.		2 025	2 217	2 159	2 218	2 200	2 004
Transport		10	10	11	57	129	218
	<i>by source:</i>						
Biomass		2 606	2 732	2 676	2 829	3 065	3 030
	<i>among which:</i>						
Wood, wood-waste		2 530	2 704	2 646	2 753	2 916	2 792
Municipal waste		-	-	-	-	-	-
Biogas		56	8	8	9	9	10
Geothermal		8	6	6	6	6	6
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		7	11	14	15	15	17
Hydro with installed capacity < 1 MW		1 399	955	564	551	574	1 166
Hydro with installed capacity > 1 & <10 MW		3 233	1 726	3 228	3 042	3 157	3 378
Hydro with installed capacity > 10 MW		35 299	30 197	32 631	32 282	33 347	31 449
Wood, Wood-waste		1 523	1 604	1 693	1 930	2 554	3 312
Municipal waste		79	186	336	324	503	365
Biogas		41	48	59	66	68	85



		ÖSTERREICH					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		9	15	19	22	35	35
Hydro with installed capacity < 1 MW		464	459	442	328	339	338
Hydro with installed capacity > 1 & <10 MW		1 083	746	748	734	760	784
Hydro with installed capacity > 10 MW		6 571	6 923	6 980	7 169	6 904	7 307
Wood, Wood-waste		766	766	766	766	766	1 699
Municipal waste		12	364	364	364	364	432
Biogas		-	-	-	-	-	92
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	23	23	42	61	102	245
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	2 400	2 570	2 750	3 009	3 312	3 667



## 1. Energy economy Key figures and energy indicators

		POLSKA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	79 056	78 703	77 951	77 714	76 845	71 632
Net energy imports		10 070	11 933	13 339	16 600	19 485	25 064
Net oil imports		19 649	20 086	21 047	22 027	23 948	25 867
Net gas imports		6 681	7 499	8 119	8 531	8 899	8 249
Gross inland energy consumption		89 418	91 774	92 232	93 556	98 113	97 982
Final energy consumption		54 291	56 155	57 554	57 920	60 857	61 239
Industry		16 629	17 346	17 909	16 532	17 372	17 956
Transport		9 002	10 214	11 321	12 083	13 432	14 803
Services and households etc.		28 660	28 595	28 324	29 305	30 053	28 480
Gross electricity generation	GWh	144 126	151 631	154 159	156 936	161 742	159 348
Final electricity consumption		97 202	100 816	104 277	104 997	110 647	114 117
<b>Socio-economic statistics</b>							
Population	1000 per.	38 242	38 219	38 191	38 174	38 157	38 126
Total imports (current prices)	Mio EUR	67 283	69 001	81 374	92 455	114 717	135 541
among which:							
All energy commodities		:	:	4 836	9 411	10 528	12 005
Oil products		:	:	3 530	6 883	9 164	10 338
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	2 338	2 401	2 415	2 451	2 571	2 570
Final energy consumption / capita		1 420	1 469	1 507	1 517	1 595	1 606
Household consumption / capita		473	469	462	482	507	477
Final electricity consumption / capita	kWh/cap.	2 542	2 638	2 730	2 750	2 900	2 993
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	11.2	13.0	14.4	17.7	19.8	25.5
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	60.7	61.2	62.4	61.9	62.0	62.5
Efficiency of thermal power stations		47.6	48.1	48.0	48.3	47.8	47.4

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	POLSKA					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	79 056	78 703	77 951	77 714	76 845	71 632
<i>among which:</i> Hard coal	58 491	57 808	55 881	55 685	54 512	50 058
Lignite and peat	12 124	12 355	12 924	12 736	12 594	11 934
Crude oil	731	771	894	856	804	725
Natural Gas	3 569	3 611	3 927	3 884	3 880	3 897
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	196	144	179	189	176	202
Biomass	3 933	3 996	4 126	4 340	4 844	4 760
<b>Imports</b>						
Total	31 324	31 808	33 625	36 344	39 753	42 046
<i>among which:</i> Hard coal	1 755	1 592	1 493	2 047	3 257	3 742
Crude oil and feedstocks	18 153	17 788	17 832	18 468	20 911	22 387
Petroleum products	4 293	4 444	5 534	6 724	6 126	6 833
Natural Gas	6 715	7 537	8 157	8 567	8 937	8 285
Electricity	384	429	457	430	412	667
<b>Exports</b>						
Total	21 254	19 876	20 287	19 744	20 268	16 982
<i>among which:</i> Crude oil and feedstocks	499	162	139	218	285	290
Petroleum products	2 298	1 984	2 179	2 947	2 803	3 064
Natural gas	35	38	38	36	38	36
Electricity	992	1 302	1 256	1 392	1 356	1 127
<b>Gross inland consumption</b>						
Total	89 418	91 774	92 232	93 556	98 113	97 982
<i>among which:</i> Solid fuels	54 748	56 172	54 198	54 732	56 987	55 513
Crude oil and petrol. prod.	20 521	20 557	22 146	22 604	24 130	25 059
Natural gas	10 113	11 261	11 881	12 235	12 373	12 377
Nuclear Energy	-	-	-	-	-	-
Renewables	4 142	4 156	4 325	4 495	4 987	4 990
<b>Transformation input</b>						
Total	67 757	70 853	71 308	70 009	75 244	75 516
<i>among which:</i> Crude oil and feedstocks	18 846	18 561	19 433	19 674	22 498	23 106
Petroleum products	369	338	277	233	221	194
Hard coal	34 288	36 889	36 257	34 327	36 607	36 761
Lignite and peat	11 807	12 378	12 283	12 754	12 578	11 970
Renewables	130	156	244	461	554	663
<b>Transformation output</b>						
Total	46 384	49 151	49 812	48 165	52 360	52 874
<i>among which:</i> Electricity	12 052	12 744	12 926	13 158	13 626	13 404
Heat	8 394	8 795	8 261	8 138	8 150	7 667

		POLSKA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		54 291	56 155	57 554	57 920	60 857	61 239
<i>among which:</i>	Solid fuels	12 399	11 607	11 437	11 443	12 452	11 932
	Petroleum products	14 636	16 266	17 384	17 842	18 414	19 313
	Natural Gas	6 757	7 088	7 413	7 715	7 791	7 840
	Renewables	3 811	3 842	3 890	3 835	4 237	4 079
	Electricity	8 358	8 669	8 966	9 028	9 514	9 812
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		16 629	17 346	17 909	16 532	17 372	17 956
<i>among which:</i>	Solid fuels	6 065	5 695	5 738	4 858	4 801	5 019
	Petroleum Products	1 760	1 876	1 865	1 736	1 647	1 505
	Natural Gas	2 243	2 409	2 705	2 785	2 940	3 080
	Renewables	700	729	764	760	1 038	1 100
	Electricity	3 283	3 456	3 648	3 553	3 682	3 937
<b>Transport</b>							
Total		9 002	10 214	11 321	12 083	13 432	14 803
<i>among which:</i>	Motor spirit	4 432	4 279	4 318	4 147	4 254	4 249
	Diesel oil	2 865	4 059	4 932	5 615	6 525	7 810
	Jet fuel	423	287	281	319	426	444
	Electricity	371	378	335	307	269	282
<b>Services&amp;households</b>							
Total		28 660	28 595	28 324	29 305	30 053	28 480
<i>among which:</i>	Solid fuels	6 334	5 912	5 699	6 584	7 651	6 912
	Gas oil	3 472	3 444	3 562	3 369	2 946	2 671
	Natural Gas	4 514	4 679	4 708	4 930	4 851	4 761
	Renewables	3 110	3 078	3 109	3 028	3 108	2 882
	Electricity	4 704	4 835	4 983	5 169	5 563	5 594
	Heat	5 748	5 497	5 271	5 214	5 183	4 946

### 3.1 Electricity balance

	POLSKA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		144 126	151 631	154 159	156 936	161 742	159 348
<i>among which:</i>							
Hydro		3 906	3 293	3 691	3 778	3 020	2 939
Wind		61	124	142	135	256	522
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		140 159	148 214	150 326	153 023	158 466	155 887
<i>of which:</i>							
Hard coal		79 914	84 720	85 559	84 772	90 910	90 807
Lignite and peat		53 040	55 938	56 050	58 909	57 699	54 762
Petroleum products		2 376	2 456	2 507	2 385	2 441	2 304
Natural gas		2 198	2 425	3 144	3 570	3 111	3 062
Derived gases		1 740	1 934	1 885	1 484	1 913	2 062
Biomass		427	454	850	1 830	2 011	2 556
Industrial wastes		464	287	331	73	381	334
Total net generation		131 374	138 367	140 763	143 601	147 661	145 383
<b>Imports and exports</b>							
Total imports		4 469	4 985	5 312	5 002	4 789	7 761
Total exports		11 537	15 146	14 605	16 188	15 775	13 109
<b>Consumption and losses</b>							
Consumption of the energy branch		23 829	24 572	24 549	24 613	25 110	24 880
<i>of which:</i>							
Consumption for pumped-storage		622	662	658	630	421	301
Network losses		14 400	14 460	14 431	14 563	14 021	14 416
Final energy consumption		97 202	100 816	104 277	104 997	110 647	114 117
<i>of which:</i>							
Industry		38 181	40 189	42 424	41 317	42 824	45 787
<i>among which:</i>							
Iron&steel industry		5 446	6 148	7 210	5 929	6 269	7 019
Non-ferrous metals		3 523	3 511	3 563	3 484	3 565	3 526
Chemical industry		8 057	8 575	8 674	8 307	8 859	8 873
Non-met. mineral prod.		3 047	3 148	3 450	3 480	3 698	4 195
Food, drink, tobacco		3 980	4 259	4 319	4 442	4 493	5 073
Pulp, paper and print		2 773	3 004	2 950	3 119	3 172	3 271
Engineering & metal		4 705	4 945	5 115	5 471	5 807	6 306
Other industries		4 190	4 172	4 636	4 746	4 671	5 167
Transport		4 313	4 391	3 897	3 570	3 124	3 276
Services & households etc.		54 708	56 236	57 956	60 110	64 699	65 054
<i>among which:</i>							
Households		21 659	24 852	25 476	25 064	26 022	26 369

### 3.2 Electrical capacity, fuel inputs and heat

		POLSKA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	30 815	31 642	31 888	32 257	32 360	32 497
<b>by source:</b>							
Conventional thermal		28 576	29 334	29 566	29 815	29 857	29 863
<i>of which:</i>							
Steam		28 117	28 754	28 786	28 998	29 038	29 022
Gas turbine		26	44	52	85	86	53
Combined cycle		417	516	705	705	705	756
Internal combustion		16	20	23	27	28	32
Nuclear		-	-	-	-	-	-
Hydro		2 207	2 273	2 282	2 321	2 331	2 328
<i>among which:</i>							
Pumped storage		1 366	1 406	1 406	1 406	1 406	1 406
Wind		32	35	40	121	172	306
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		28 922	29 572	29 822	30 203	30 323	30 554
Autoproducers		1 893	2 070	2 066	2 054	2 037	1 943
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	35 612	37 717	37 827	38 149	39 522	38 824
<i>among which:</i>							
Hard coal		22 263	23 613	23 536	23 195	24 575	24 425
Lignite and peat		11 799	12 371	12 276	12 747	12 571	11 963
Petroleum products		211	203	204	179	168	160
Natural gas		630	787	970	1 069	964	940
Renewables		110	130	208	422	511	622
Heating plants		4 151	4 075	3 600	3 640	3 414	3 146
<i>among which:</i>							
Hard coal		3 628	3 559	3 132	3 212	2 986	2 800
Lignite and peat		7	7	7	7	7	7
Petroleum products		155	135	70	51	49	31
Natural gas		294	299	312	293	297	246
Renewables		19	26	35	40	43	41
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	8 394	8 795	8 261	8 138	8 150	7 667
<i>among which: in heating plants</i>							
		3 484	3 411	3 024	2 884	2 874	2 669
Heat consumption		7 112	7 390	7 166	7 056	7 179	6 944
<i>of which: in industry</i>							
		1 364	1 893	1 895	1 842	1 996	1 998
<i>in households and services</i>							
		5 748	5 497	5 271	5 214	5 183	4 946
<i>among which: in households</i>							
		4 968	4 777	4 586	4 538	4 538	4 299

## 4.1 Crude oil and feedstocks

	POLSKA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	728	765	886	848	796	721
Total imports	18 077	17 657	17 679	18 283	20 693	22 244
Total exports	497	161	138	216	282	288
Stock changes	-295	-592	4	-353	-277	-1 294
Refinery intake	18 758	18 419	19 262	19 472	22 258	22 945
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	-	-	-	269	-
Near and Middle East	-	-	-	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	147	173	185	148	49	73
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	52	-	132	130	137	502
Russia	17 310	16 641	16 670	17 466	19 156	19 966
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-



## 4.2 Petroleum products

	POLSKA						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Production and supply</b>							
Total refinery output		17 593	18 044	18 585	18 514	20 947	21 570
<i>among which:</i>							
Motor spirit		3 935	3 920	4 002	4 121	4 162	3 876
Kerosene and jet fuel		585	656	715	661	854	802
Naphtha		882	836	889	949	1 415	1 398
Gas/diesel oil		6 314	6 722	7 371	7 459	8 336	8 787
Residual fuel oil		3 325	3 253	2 754	2 537	2 824	2 831
Total imports		4 108	4 266	5 318	6 650	5 904	6 558
Total exports		2 365	2 045	2 212	3 044	2 820	3 118
Bunkers		276	291	259	328	301	254
Stock changes		72	2	-173	-240	-699	-788
Gross inland consumption		1 614	1 997	2 725	3 081	2 127	2 440
<b>Imports and exports</b>							
Imports by origin							
<i>among which:</i>							
Netherlands		11	11	13	65	60	66
United Kingdom		47	92	98	149	287	488
Norway		80	118	35	57	105	174
OPEC		-	-	1	-	-	3
Imports by product							
<i>among which:</i>							
Motor spirit		628	537	602	607	603	749
Kerosene and jet fuel		115	1	2	-	-	1
Gas/diesel oil		1 460	1 376	2 238	2 842	2 541	2 970
Residual fuel oil		127	32	84	13	83	97
Exports by product							
<i>among which:</i>							
Motor spirit		386	418	445	698	640	423
Kerosene and jet fuel		278	361	455	355	439	347
Gas/diesel oil		339	161	240	596	313	342
Residual fuel oil		1 017	640	597	488	782	1 155
<b>Consumption</b>							
Inputs to electricity plants		220	212	213	185	176	167
Inputs to heating plants		159	138	71	52	50	32
Non-energy use		2 244	2 194	2 286	2 425	3 095	2 994
Final energy consumption		14 086	15 721	16 788	17 283	17 750	18 603
Industry							
<i>among which by product:</i>							
Gas/diesel oil		554	568	542	523	518	473
Residual fuel oil		500	482	501	402	359	296

	POLSKA						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		8	7	6	2	3	2
Non-ferrous metals		15	12	15	15	15	9
Chemical industry		810	806	799	621	716	719
Non-met. mineral prod.		200	342	343	459	236	152
Food, drink, tobacco		267	268	260	237	205	185
Pulp, paper and print		50	52	55	49	51	57
Engineering & metal		63	65	57	70	68	63
Other industries		195	200	196	210	221	158
Transport		8 274	9 410	10 538	11 275	12 576	13 901
<i>among which:</i>							
Motor spirit		4 217	4 072	4 109	3 946	4 048	4 043
Jet fuel		412	279	274	311	415	432
Diesel oil		2 816	3 989	4 847	5 519	6 413	7 676
Services & households etc.		4 132	4 482	4 438	4 270	3 585	3 277
<i>among which:</i>							
Gas oil		3 412	3 385	3 501	3 311	2 895	2 625
Residual fuel oil		97	300	153	183	69	30
<b>Stocks at end of period</b>							
Crude oil and feedstocks		1 511	2 103	2 475	2 828	3 105	4 399
Petroleum products		1 244	1 268	1 415	1 630	2 354	3 142

## 5. Natural gas

<i>in TJ (GCV)</i>	POLSKA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	166 037	167 997	182 698	180 700	180 514	181 274
Total imports	312 390	350 607	379 467	398 547	415 736	385 427
Total exports	1 605	1 767	1 753	1 667	1 745	1 677
Stock changes	-6 356	7 010	-7 728	-8 431	-18 892	10 743
Gross inland consumption	470 466	523 847	552 684	569 149	575 613	575 767
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	19 766	19 555	19 376	19 426	14 453	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	268 899	275 629	236 370	262 629	286 175	260 533
<b>Consumption</b>						
Inputs to electricity plants	29 327	36 626	45 111	49 729	44 859	43 709
Inputs to heat plants	13 673	13 924	14 519	13 647	13 817	11 461
Consumption of energy branch	38 841	38 528	44 983	46 382	57 063	64 657
Distribution losses	7 708	10 196	9 422	7 120	5 240	2 983
Non-energy use	60 675	86 969	88 892	93 843	89 831	89 163
Industry	104 330	112 079	125 831	129 549	136 772	143 272
<i>among which:</i>						
Iron&steel industry	16 280	16 263	21 884	22 212	22 781	24 782
Non-ferrous metals	6 210	6 520	7 117	7 187	7 649	7 492
Chemical industry	7 999	7 174	8 331	9 004	10 059	9 746
Non-met. mineral prod.	36 926	39 538	42 481	43 292	45 870	47 192
Food, drink, tobacco	13 878	16 750	17 960	19 395	20 692	22 904
Pulp, paper and print	1 623	2 327	2 952	2 542	3 307	4 541
Engineering & metal	11 580	12 218	13 250	13 241	14 010	14 456
Other industries	6 235	7 808	8 206	9 014	8 624	8 274
Transport	-	-	-	-	-	-
Services & households etc.	210 009	217 648	219 031	229 354	225 688	221 459
<i>among which:</i>						
Households	141 214	141 810	140 418	150 123	154 095	147 358
Services	67 779	74 508	77 300	78 027	69 934	72 055

## 6.1 Hard coal

	POLSKA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	102 723	101 659	100 517	97 110	94 407	87 406
Total imports	2 737	2 517	2 328	3 372	5 271	5 924
Total exports	22 623	20 119	19 684	19 369	16 735	11 900
Stock changes	-1 561	96	41	-1 469	2 371	3 000
Gross inland consumption	82 258	85 368	83 915	80 438	86 130	85 336
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	32	-	30	56	80	135
Russia	1 466	1 730	1 459	2 390	3 330	3 046
South Africa	121	14	-	-	-	-
USA	-	-	-	-	-	302
<b>Consumption</b>						
Inputs to electricity plants	43 175	45 631	45 841	45 055	47 362	47 539
Inputs to heat plants	7 036	6 878	6 100	5 849	5 755	5 413
Consumption of energy branch	977	1 157	1 035	851	601	1 143
Industry	7 379	6 247	6 220	5 612	5 442	5 776
<i>among which:</i>						
Iron&steel industry	340	351	453	259	360	321
Non-ferrous metals	108	90	47	1	1	-
Chemical industry	1 940	1 190	1 236	1 233	1 175	1 226
Non-met. mineral prod.	1 450	1 291	1 392	1 278	1 339	1 838
Food, drink, tobacco	1 784	1 661	1 554	1 470	1 310	1 302
Pulp, paper and print	611	598	594	550	492	396
Engineering & metal	380	361	288	258	224	187
Other industries	480	479	482	423	423	406
Services & households etc.	10 184	9 443	9 422	10 387	11 715	11 200

## 6.2 Coal derivatives and peat

		POLSKA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		8 723	10 112	10 097	8 404	9 613	10 168
Patent Fuel		-	-	-	-	-	-
Lignite and peat		58 210	60 920	61 198	61 636	60 844	57 538
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		72 856	83 434	81 052	68 830	79 680	85 500
Blast-furnace gas		28 752	31 031	33 836	23 446	28 948	34 626
Gasworks gas		161	153	136	114	118	115
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		3 512	3 673	3 654	2 431	2 675	2 648
<i>among which:</i>							
Iron & steel industry		2 273	2 441	2 604	1 789	1 978	2 013
Services & households		685	687	528	239	266	121
Patent Fuel		2	1	-	-	1	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		363	394	495	494	547	482
<i>among which:</i>							
Industry		33	25	15	11	10	-
Services & households		330	369	480	483	537	482
Brown coal briquettes		2	2	2	2	4	3
<i>among which:</i>							
Industry		1	2	2	2	2	3
Services & households		1	-	-	-	2	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		17 636	19 035	19 460	15 537	16 424	17 347
Blast-furnace gas		19 390	19 524	21 006	14 585	19 466	23 395
Gasworks gas		152	146	129	109	113	105
Inputs to electricity plants		22 161	24 612	24 296	18 814	27 411	27 311
Inputs to heat plants		867	1 139	1 208	1 302	1 270	773
Consumption of energy branch		40 436	46 429	47 039	41 947	41 643	50 171
Consumption in industry		37 026	38 559	40 466	30 122	35 890	40 742

## 7. Renewable energy sources

		POLSKA					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	4 141	4 158	4 325	4 552	5 055	5 018
Hydro (excl. pumping)		196	144	179	189	176	202
Wind		5	11	12	12	22	45
Solar		0	0	0	0	0	0
Geothermal		6	7	8	11	13	10
Biomass		3 933	3 996	4 126	4 340	4 844	4 760
	<i>among which:</i>						
Wood, wood-waste		3 901	3 921	4 062	4 166	4 588	4 550
Municipal solid waste		0	1	1	16	39	44
Biogas		32	39	47	54	62	65
Gross inland consumption		4 142	4 156	4 325	4 495	4 987	4 990
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		130	156	244	461	554	663
	<i>among which:</i>						
Wood, wood-waste		115	139	213	418	506	607
Municipal waste		-	-	-	-	-	-
Biogas		15	18	31	43	48	55
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	3 811	3 842	3 890	3 835	4 237	4 079
	<i>by sector:</i>						
Industry		700	729	764	760	1 038	1 100
Services & households etc.		3 110	3 078	3 109	3 028	3 108	2 882
Transport		-	36	17	48	90	96
	<i>by source:</i>						
Biomass		3 804	3 835	3 882	3 824	4 224	4 068
	<i>among which:</i>						
Wood, wood-waste		3 787	3 780	3 849	3 748	4 080	3 919
Municipal waste		0	1	1	18	39	43
Biogas		17	18	16	10	14	9
Geothermal		6	7	8	11	13	10
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		262	243	273	356	248	306
Hydro with installed capacity > 1 & <10 MW		585	431	617	504	567	658
Hydro with installed capacity > 10 MW		1 432	998	1 191	1 339	1 228	1 388
Wood, Wood-waste		379	398	768	1 719	1 851	2 360
Municipal waste		-	-	-	-	-	-
Biogas		48	56	82	111	160	195

		POLSKA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		60	63	77	72	72	72
Hydro with installed capacity > 1 & <10 MW		150	164	184	174	181	178
Hydro with installed capacity > 10 MW		630	680	715	669	672	672
Wood, Wood-waste		-	24	24	25	25	33
Municipal waste		-	-	-	-	-	-
Biogas		14	18	22	30	32	40
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	44	21	145	208	140
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	76	76	95	128	236





## 1. Energy economy Key figures and energy indicators

		PORTUGAL					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	3 643	4 336	3 894	3 578	4 320	4 610
Net energy imports		22 519	22 393	22 653	24 414	21 569	21 847
Net oil imports		16 155	16 237	15 581	16 711	13 947	14 542
Net gas imports		2 727	2 643	3 305	3 893	3 662	3 761
Gross inland energy consumption		26 264	25 665	26 409	27 035	25 334	25 975
Final energy consumption		18 389	18 393	20 177	18 723	18 544	18 813
Industry		5 824	5 869	7 226	5 689	5 694	5 886
Transport		7 156	7 115	7 308	7 055	7 142	7 213
Services and households etc.		5 410	5 408	5 643	5 979	5 708	5 715
Gross electricity generation	GWh	46 109	46 855	45 108	46 578	49 041	47 253
Final electricity consumption		41 473	43 164	44 668	46 322	47 768	49 048
<b>Socio-economic statistics</b>							
Population	1000 per.	10 329	10 408	10 475	10 529	10 570	10 599
Total imports (current prices)	Mio EUR	49 135	47 874	52 213	55 774	60 971	65 296
among which:							
All energy commodities		4 084	4 221	4 941	7 212	8 024	7 957
Oil products		3 177	3 251	3 829	5 538	6 315	6 170
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	2 543	2 466	2 521	2 568	2 397	2 451
Final energy consumption / capita		1 780	1 767	1 926	1 778	1 754	1 775
Household consumption / capita		302	299	289	304	303	303
Final electricity consumption / capita	kWh/cap.	4 015	4 147	4 264	4 399	4 519	4 628
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	84.2	85.3	83.7	88.4	83.1	82.0
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	70.0	71.7	76.4	69.3	73.2	72.4
Efficiency of thermal power stations		45.1	45.2	46.0	46.7	47.2	47.7

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	PORTUGAL					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	3 643	4 336	3 894	3 578	4 320	4 610
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	671	1 352	849	407	946	868
Biomass	2 838	2 842	2 877	2 931	3 011	3 174
<b>Imports</b>						
Total	24 199	24 357	24 845	27 040	25 257	24 578
<i>among which:</i> Hard coal	3 461	3 263	3 204	3 219	3 497	2 910
Crude oil and feedstocks	12 030	13 468	13 345	13 637	13 771	12 673
Petroleum products	5 510	4 466	4 244	5 459	3 586	4 405
Natural Gas	2 727	2 643	3 305	3 893	3 662	3 761
Electricity	458	507	740	828	742	829
<b>Exports</b>						
Total	1 680	1 964	2 192	2 626	3 688	2 731
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 385	1 697	2 009	2 385	3 410	2 536
Natural gas	-	-	-	-	-	-
Electricity	295	267	183	241	274	185
<b>Gross inland consumption</b>						
Total	26 264	25 665	26 409	27 035	25 334	25 975
<i>among which:</i> Solid fuels	3 476	3 281	3 372	3 347	3 308	2 886
Crude oil and petrol. prod.	16 253	15 167	15 274	15 768	13 593	14 047
Natural gas	2 729	2 636	3 303	3 751	3 640	3 808
Nuclear Energy	-	-	-	-	-	-
Renewables	3 643	4 336	3 894	3 578	4 320	4 584
<b>Transformation input</b>						
Total	20 204	19 716	20 455	21 792	20 901	19 472
<i>among which:</i> Crude oil and feedstocks	12 608	13 459	13 517	13 785	13 895	12 863
Petroleum products	2 324	1 256	1 243	1 885	1 107	1 021
Hard coal	3 298	3 138	3 227	3 319	3 276	2 707
Lignite and peat	-	-	-	-	-	-
Renewables	457	450	473	490	497	632
<b>Transformation output</b>						
Total	15 994	16 245	16 650	17 469	17 163	15 957
<i>among which:</i> Electricity	3 223	2 605	2 935	3 412	2 979	2 817
Heat	200	226	258	328	331	338

		PORTUGAL					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		18 389	18 393	20 177	18 723	18 544	18 813
<i>among which:</i>	Solid fuels	177	143	87	16	27	168
	Petroleum products	10 778	10 615	12 210	10 561	10 118	9 918
	Natural Gas	1 183	1 206	1 280	1 307	1 336	1 439
	Renewables	2 484	2 491	2 502	2 529	2 625	2 733
	Electricity	3 566	3 711	3 841	3 983	4 107	4 217
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		5 824	5 869	7 226	5 689	5 694	5 886
<i>among which:</i>	Solid fuels	177	143	87	16	27	168
	Petroleum Products	1 813	1 829	3 161	1 586	1 509	1 413
	Natural Gas	917	918	946	956	964	1 034
	Renewables	1 314	1 320	1 321	1 341	1 361	1 402
	Electricity	1 416	1 446	1 469	1 477	1 517	1 547
<b>Transport</b>							
Total		7 156	7 115	7 308	7 055	7 142	7 213
<i>among which:</i>	Motor spirit	2 174	2 109	2 027	1 903	1 759	1 638
	Diesel oil	4 177	4 158	4 370	4 196	4 313	4 363
	Jet fuel	742	780	840	881	922	1 000
	Electricity	35	37	40	41	44	43
<b>Services&amp;households</b>							
Total		5 410	5 408	5 643	5 979	5 708	5 715
<i>among which:</i>	Solid fuels	-	-	-	-	-	-
	Gas oil	795	867	831	984	674	638
	Natural Gas	259	279	325	341	362	394
	Renewables	1 171	1 171	1 180	1 188	1 195	1 199
	Electricity	2 115	2 228	2 332	2 466	2 547	2 628
	Heat	13	13	16	13	14	15

### 3.1 Electricity balance

	PORTUGAL						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		46 109	46 855	45 108	46 578	49 041	47 253
<i>among which:</i>							
Hydro		8 257	16 054	10 147	5 118	11 467	10 449
Wind		362	496	816	1 773	2 925	4 037
Geothermal		96	90	84	71	85	201
Nuclear		-	-	-	-	-	-
Conventional thermal		37 392	30 212	34 058	39 613	34 559	32 542
<i>of which:</i>							
Hard coal		15 212	14 527	14 858	15 226	14 958	12 398
Lignite and peat		-	-	-	-	-	-
Petroleum products		11 407	6 162	5 698	8 791	5 247	4 870
Natural gas		9 037	7 740	11 689	13 606	12 343	13 124
Derived gases		-	-	-	-	-	-
Biomass		1 734	1 777	1 804	1 977	1 998	2 147
Industrial wastes		2	6	9	13	13	3
Total net generation		44 390	45 375	43 482	44 984	47 488	45 884
<b>Imports and exports</b>							
Total imports		5 329	5 898	8 612	9 626	8 624	9 641
Total exports		3 430	3 104	2 131	2 802	3 183	2 153
<b>Consumption and losses</b>							
Consumption of the energy branch		2 574	2 270	2 583	2 478	2 568	2 180
<i>of which:</i>							
Consumption for pumped-storage		213	154	130	181	238	183
Network losses		3 502	3 881	4 057	4 212	3 686	3 180
Final energy consumption		41 473	43 164	44 668	46 322	47 768	49 048
<i>of which:</i>							
Industry		16 470	16 820	17 086	17 172	17 644	17 991
<i>among which:</i>							
Iron&steel industry		863	1 088	1 186	1 279	1 386	1 471
Non-ferrous metals		117	116	121	122	127	141
Chemical industry		2 331	2 480	2 555	2 561	2 637	2 679
Non-met. mineral prod.		2 350	2 233	2 336	2 336	2 418	2 578
Food, drink, tobacco		1 603	1 644	1 688	1 695	1 773	1 825
Pulp, paper and print		1 995	2 229	2 346	2 470	2 500	2 568
Engineering & metal		1 547	1 613	1 656	1 674	1 733	1 766
Other industries		2 892	2 884	2 814	2 761	2 858	2 739
Transport		411	435	464	472	508	498
Services & households etc.		24 592	25 909	27 118	28 678	29 616	30 559
<i>among which:</i>							
Households		11 382	11 835	12 432	13 242	13 406	13 863

## 3.2 Electrical capacity, fuel inputs and heat

		PORTUGAL					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	11 239	11 619	12 711	13 389	14 456	14 970
<b>by source:</b>							
Conventional thermal		6 448	6 749	7 292	7 277	7 685	7 692
<i>of which:</i>							
Steam		4 146	4 129	4 129	4 077	4 092	4 057
Gas turbine		485	382	390	419	431	434
Combined cycle		990	1 382	1 774	1 774	2 166	2 166
Internal combustion		827	856	999	1 007	996	1 035
Nuclear		-	-	-	-	-	-
Hydro		4 587	4 588	4 852	5 034	5 065	5 052
<i>among which:</i>							
Pumped storage		597	597	537	537	1 048	1 029
Wind		190	268	553	1 064	1 681	2 201
Geothermal		14	14	14	14	25	25
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		10 020	10 397	11 430	12 079	13 139	13 550
Autoproducers		1 220	1 224	1 283	1 312	1 320	1 444
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	7 596	6 257	6 938	8 007	7 006	6 609
<i>among which:</i>							
Hard coal		3 298	3 138	3 227	3 319	3 276	2 707
Lignite and peat		-	-	-	-	-	-
Petroleum products		2 324	1 256	1 243	1 885	1 107	1 021
Natural gas		1 517	1 409	1 987	2 309	2 121	2 243
Renewables		457	450	473	490	497	632
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	200	226	258	328	331	338
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		200	226	258	328	331	338
<i>of which: in industry</i>							
		187	213	242	315	317	323
<i>in households and services</i>							
		13	13	16	13	14	15
<i>among which: in households</i>							
		7	8	9	6	6	6

## 4.1 Crude oil and feedstocks

<i>in 1 000 t</i>	PORTUGAL					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	11 861	13 276	13 184	13 473	13 582	12 494
Total exports	-	-	-	-	-	-
Stock changes	427	-73	-94	-48	-84	-33
Refinery intake	12 430	13 267	13 353	13 618	13 704	12 681
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	6 519	6 681	7 589	8 290	7 582	6 723
Near and Middle East	3 120	2 025	2 429	3 319	3 070	2 552
Africa	3 867	5 835	5 292	6 096	5 219	6 331
<i>by country of origin:</i>						
Algeria	555	-	1 763	2 983	1 906	919
Irak	362	-	416	965	823	680
Iran	777	258	478	352	781	772
Kazakhstan	-	-	1 488	834	701	708
Kuwait	-	-	-	-	-	-
Libya	-	1 741	1 251	700	974	1 796
Mexico	818	668	669	1 077	670	536
Nigeria	2 579	2 988	2 146	1 288	1 172	1 456
Norway	518	640	532	247	380	504
Russia	579	1 481	813	-	136	-
Saudi Arabia	1 822	1 694	1 535	1 150	1 386	1 100
Syria	159	73	-	-	80	-
United Arab Emirates	-	-	-	852	-	-

## 4.2 Petroleum products

	PORTUGAL					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	12 393	13 223	13 293	13 563	13 663	12 621
<i>among which:</i>						
Motor spirit	2 518	2 732	2 551	2 466	2 750	2 591
Kerosene and jet fuel	513	704	781	857	858	747
Naphtha	1 084	1 130	1 175	1 188	1 037	1 071
Gas/diesel oil	4 827	4 955	4 703	4 906	5 101	4 634
Residual fuel oil	2 358	2 388	2 969	2 653	2 920	2 622
Total imports	5 716	4 602	4 396	5 706	3 742	4 531
Total exports	1 373	1 675	1 983	2 367	3 387	2 515
Bunkers	493	591	672	591	649	682
Stock changes	149	-404	436	-342	390	209
Gross inland consumption	3 999	1 932	2 177	2 406	96	1 543
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	411	481	352	553	417	364
United Kingdom	1 050	613	731	1 040	483	478
Norway	112	65	62	28	49	96
OPEC	790	591	325	191	206	865
Imports by product						
<i>among which:</i>						
Motor spirit	63	57	133	131	106	92
Kerosene and jet fuel	193	109	59	71	47	267
Gas/diesel oil	620	949	841	877	638	776
Residual fuel oil	2 111	1 010	645	1 548	571	461
Exports by product						
<i>among which:</i>						
Motor spirit	540	782	805	792	1 270	1 091
Kerosene and jet fuel	-	20	54	-	-	20
Gas/diesel oil	6	51	71	211	314	192
Residual fuel oil	319	352	476	766	1 177	759
<b>Consumption</b>						
Inputs to electricity plants	2 431	1 313	1 300	1 971	1 157	1 067
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	1 968	2 237	994	2 419	1 883	2 141
Final energy consumption	10 660	10 488	12 031	10 486	10 047	9 809
Industry						
<i>among which by product:</i>						
Gas/diesel oil	374	367	402	370	316	287
Residual fuel oil	770	815	543	379	353	383

	PORTUGAL						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		29	29	19	39	37	25
Non-ferrous metals		1	1	10	-	-	4
Chemical industry		201	219	1 634	137	148	199
Non-met. mineral prod.		826	834	844	941	867	708
Food, drink, tobacco		209	219	192	166	194	160
Pulp, paper and print		165	182	67	80	73	62
Engineering & metal		38	42	37	36	36	35
Other industries		318	284	315	286	261	222
Transport		6 915	6 873	7 062	6 815	6 832	6 843
<i>among which:</i>							
Motor spirit		2 069	2 007	1 929	1 811	1 674	1 559
Jet fuel		722	759	818	858	898	974
Diesel oil		4 105	4 087	4 295	4 124	4 239	4 288
Services & households etc.		1 768	1 626	1 704	1 890	1 521	1 406
<i>among which:</i>							
Gas oil		781	852	817	967	662	627
Residual fuel oil		190	-	110	189	182	91
<b>Stocks at end of period</b>							
Crude oil and feedstocks		828	838	932	980	1 064	1 097
Petroleum products		2 059	2 463	2 027	2 369	1 979	1 770



## 5. Natural gas

<i>in TJ (GCV)</i>	PORTUGAL					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	126 847	122 968	153 733	181 102	170 340	174 947
Total exports	-	-	-	-	-	-
Stock changes	122	-328	-57	-6 620	-1 026	2 218
Gross inland consumption	126 969	122 640	153 676	174 482	169 314	177 165
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	109 956	100 816	97 138	112 022	85 964	59 536
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	16 891	22 152	56 595	69 080	84 376	115 411
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	70 586	65 545	92 439	107 403	98 651	104 365
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	784	3 705	4 134	4 284
Distribution losses	1 337	968	936	2 583	4 313	1 553
Non-energy use	-	-	-	-	-	-
Industry	42 652	42 709	44 020	44 469	44 846	48 106
<i>among which:</i>						
Iron&steel industry	1 301	1 585	1 590	1 919	2 024	2 405
Non-ferrous metals	307	309	341	355	386	434
Chemical industry	2 948	3 207	2 841	2 996	2 651	3 297
Non-met. mineral prod.	24 804	22 825	23 567	24 032	23 857	25 318
Food, drink, tobacco	2 389	3 067	3 083	3 095	3 717	4 079
Pulp, paper and print	1 175	1 667	1 351	1 771	1 950	2 014
Engineering & metal	1 881	2 059	2 238	2 332	2 371	2 357
Other industries	1 040	1 364	1 600	1 693	1 633	1 436
Transport	320	413	410	457	484	536
Services & households etc.	12 070	12 988	15 130	15 879	16 831	18 314
<i>among which:</i>						
Households	6 816	7 351	8 432	9 301	9 425	10 244
Services	5 111	5 478	6 544	6 400	7 212	7 833

## 6.1 Hard coal

<i>in 1 000 t</i>	PORTUGAL					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	5 667	5 344	5 247	5 272	5 782	4 782
Total exports	-	-	-	-	5	13
Stock changes	1	18	267	204	-310	-27
Gross inland consumption	5 668	5 362	5 514	5 476	5 467	4 742
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	838	668	129	-	-	-
Colombia	1 583	1 945	2 817	2 314	3 239	2 403
Russia	-	-	-	-	22	111
South Africa	2 120	2 079	1 369	1 985	1 681	1 551
USA	114	354	467	378	202	389
<b>Consumption</b>						
Inputs to electricity plants	5 401	5 139	5 285	5 436	5 420	4 443
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	267	215	131	16	36	278
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	11
Non-ferrous metals	-	-	-	-	-	1
Chemical industry	-	12	13	16	22	17
Non-met. mineral prod.	267	203	118	-	14	249
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

## 6.2 Coal derivatives and peat

		PORTUGAL					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		21	10	8	5	4	4
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	3 643	4 336	3 894	3 578	4 320	4 610
Hydro (excl. pumping)		671	1 352	849	407	946	868
Wind		31	43	70	152	252	347
Solar		20	21	21	23	24	28
Geothermal		84	78	78	66	88	193
Biomass		2 838	2 842	2 877	2 931	3 011	3 174
	<i>among which:</i>						
Wood, wood-waste		2 655	2 652	2 683	2 713	2 731	2 808
Municipal solid waste		182	189	189	207	201	188
Biogas		1	1	4	10	9	16
Gross inland consumption		3 643	4 336	3 894	3 578	4 320	4 584
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		83	77	77	65	77	183
Biomass		374	372	397	425	420	449
	<i>among which:</i>						
Wood, wood-waste		191	182	203	208	210	246
Municipal waste		182	189	189	207	201	188
Biogas		1	1	4	10	9	16
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	2 484	2 491	2 502	2 529	2 625	2 733
	<i>by sector:</i>						
Industry		1 314	1 320	1 321	1 341	1 361	1 402
Services & households etc.		1 171	1 171	1 180	1 188	1 195	1 199
Transport		-	-	-	0	70	133
	<i>by source:</i>						
Biomass		2 464	2 470	2 480	2 505	2 591	2 698
	<i>among which:</i>						
Wood, wood-waste		2 464	2 470	2 480	2 505	2 522	2 562
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		1	1	1	1	10	10
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		2	3	3	3	5	24
Hydro with installed capacity < 1 MW		66	84	74	51	93	71
Hydro with installed capacity > 1 & <10 MW		851	1 078	677	444	966	706
Hydro with installed capacity > 10 MW		6 883	14 561	9 118	4 236	10 408	9 315
Wood, Wood-waste		1 208	1 223	1 265	1 350	1 380	1 530
Municipal waste		523	551	526	592	586	551
Biogas		3	3	15	35	33	65

		PORTUGAL					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		2	2	2	2	3	24
Hydro with installed capacity < 1 MW		28	30	29	28	28	29
Hydro with installed capacity > 1 & <10 MW		316	315	309	323	343	360
Hydro with installed capacity > 10 MW		3 646	3 646	3 977	4 146	4 157	3 634
Wood, Wood-waste		233	224	224	273	279	290
Municipal waste		71	71	71	77	77	77
Biogas		1	1	6	8	8	31
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	0	79	184
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	254	261	269	289	304	330



## 1. Energy economy Key figures and energy indicators

		ROMÂNIA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	28 008	28 278	28 406	27 438	27 401	27 619
Net energy imports		9 162	10 236	12 000	10 839	11 904	12 821
Net oil imports		3 500	3 536	4 898	3 962	4 761	5 523
Net gas imports		3 130	4 237	4 112	4 190	4 791	3 865
Gross inland energy consumption		38 494	40 234	39 597	39 250	40 732	40 083
Final energy consumption		23 086	24 201	25 498	24 678	24 768	24 022
Industry		10 359	10 355	10 166	9 987	9 565	9 129
Transport		4 341	4 345	5 178	4 204	4 341	4 664
Services and households etc.		8 386	9 501	10 153	10 486	10 863	10 228
Gross electricity generation	GWh	54 935	56 645	56 482	59 413	62 698	61 673
Final electricity consumption		35 575	37 465	38 736	38 811	40 916	40 928
<b>Socio-economic statistics</b>							
Population	1000 per.	21 834	21 773	21 711	21 659	21 610	21 565
Total imports (current prices)	Mio EUR	19 927	22 215	27 372	34 512	43 297	53 913
among which:							
All energy commodities		:	:	:	:	:	5 484
Oil products		:	:	:	:	:	3 815
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	1 763	1 848	1 824	1 812	1 885	1 859
Final energy consumption / capita		1 057	1 112	1 174	1 139	1 146	1 114
Household consumption / capita		331	359	367	368	363	348
Final electricity consumption / capita	kWh/cap.	1 629	1 721	1 784	1 792	1 893	1 898
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	23.8	25.4	30.3	27.6	29.2	32.0
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	60.0	60.2	64.4	62.9	60.8	59.9
Efficiency of thermal power stations		51.0	49.7	49.9	51.8	50.2	48.3

## 2. Energy balance

### Principal aggregates by product

	ROMÂNIA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	28 008	28 278	28 406	27 438	27 401	27 619
<i>among which:</i> Hard coal	7	7	25	16	11	7
Lignite and peat	6 091	6 530	6 182	5 777	6 469	6 852
Crude oil	6 140	5 986	5 797	5 526	5 079	4 822
Natural Gas	10 599	10 429	10 377	9 701	9 558	9 233
Nuclear heat	1 422	1 266	1 431	1 433	1 453	1 989
Hydro-electricity	1 380	1 140	1 420	1 737	1 578	1 373
Biomass	2 351	2 903	3 160	3 229	3 235	3 325
<b>Imports</b>						
Total	14 131	14 138	16 729	17 211	17 755	17 621
<i>among which:</i> Hard coal	2 394	1 616	2 231	2 419	2 226	2 890
Crude oil and feedstocks	6 433	5 302	7 435	8 831	8 821	8 673
Petroleum products	1 753	1 875	1 836	1 030	1 321	1 312
Natural Gas	3 130	4 237	4 112	4 190	4 791	3 865
Electricity	37	83	222	200	85	109
<b>Exports</b>						
Total	4 969	3 903	4 729	6 371	5 851	4 800
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	4 686	3 641	4 373	5 898	5 381	4 463
Natural gas	-	-	-	-	-	-
Electricity	283	262	324	449	452	289
<b>Gross inland consumption</b>						
Total	38 494	40 234	39 597	39 250	40 732	40 083
<i>among which:</i> Solid fuels	8 819	9 356	9 204	8 798	9 517	10 186
Crude oil and petrol. prod.	11 009	10 973	10 468	10 300	10 831	10 248
Natural gas	13 629	14 729	13 937	13 942	14 438	12 982
Nuclear Energy	1 422	1 266	1 431	1 433	1 453	1 989
Renewables	3 749	4 002	4 567	4 940	4 781	4 753
<b>Transformation input</b>						
Total	29 820	28 924	28 568	29 657	30 545	30 031
<i>among which:</i> Crude oil and feedstocks	13 722	12 536	13 287	15 109	14 644	14 059
Petroleum products	1 838	1 603	1 016	849	774	418
Hard coal	2 056	1 403	1 717	1 795	1 958	2 131
Lignite and peat	5 866	6 718	5 978	5 796	6 833	6 667
Renewables	85	16	67	21	90	25
<b>Transformation output</b>						
Total	22 824	21 517	21 976	23 628	23 441	22 484
<i>among which:</i> Electricity	3 344	3 731	3 437	3 371	3 813	3 930
Heat	3 737	3 615	3 235	2 998	2 948	2 631



		ROMÂNIA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		23 086	24 201	25 498	24 678	24 768	24 022
<i>among which:</i>	Solid fuels	1 225	1 554	1 579	1 654	1 568	1 482
	Petroleum products	6 376	5 999	7 393	6 586	6 339	6 828
	Natural Gas	6 926	7 607	7 353	7 153	7 690	6 504
	Renewables	2 272	2 836	3 059	3 183	3 056	3 282
	Electricity	3 059	3 221	3 331	3 337	3 518	3 519
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		10 359	10 355	10 166	9 987	9 565	9 129
<i>among which:</i>	Solid fuels	1 195	1 534	1 525	1 632	1 549	1 465
	Petroleum Products	1 456	960	1 043	1 057	1 173	1 100
	Natural Gas	4 428	4 561	4 101	4 035	3 517	3 331
	Renewables	325	477	264	246	293	353
	Electricity	1 952	1 921	2 163	2 036	2 087	1 964
<b>Transport</b>							
Total		4 341	4 345	5 178	4 204	4 341	4 664
<i>among which:</i>	Motor spirit	1 831	1 646	2 376	1 628	1 513	1 549
	Diesel oil	2 146	2 359	2 414	2 265	2 557	2 736
	Jet fuel	101	123	141	113	141	182
	Electricity	166	154	136	134	112	122
<b>Services&amp;households</b>							
Total		8 386	9 501	10 153	10 486	10 863	10 228
<i>among which:</i>	Solid fuels	31	20	53	22	19	17
	Gas oil	401	365	586	333	313	422
	Natural Gas	2 476	3 046	3 253	3 119	4 173	3 173
	Renewables	1 947	2 359	2 795	2 937	2 763	2 889
	Electricity	940	1 147	1 032	1 166	1 319	1 434
	Heat	2 218	2 076	1 708	1 780	1 651	1 490

### 3.1 Electricity balance

	ROMÂNIA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		54 935	56 645	56 482	59 413	62 698	61 673
<i>among which:</i>							
Hydro		16 046	13 259	16 513	20 207	18 356	15 966
Wind		-	-	-	-	1	3
Geothermal		-	-	-	-	-	-
Nuclear		5 513	4 906	5 548	5 555	5 632	7 709
Conventional thermal		33 376	38 480	34 421	33 651	38 709	37 995
<i>of which:</i>							
Hard coal		400	-	734	454	589	1 888
Lignite and peat		19 912	23 344	20 732	21 462	24 557	23 207
Petroleum products		3 578	3 633	2 199	1 894	1 606	1 096
Natural gas		9 166	11 201	10 462	9 612	11 831	11 559
Derived gases		317	299	290	222	122	209
Biomass		3	3	4	6	4	36
Industrial wastes		-	-	-	1	-	-
Total net generation		51 256	52 622	52 676	55 504	58 351	56 165
<b>Imports and exports</b>							
Total imports		436	962	2 584	2 321	989	1 269
Total exports		3 290	3 046	3 766	5 224	5 262	3 359
<b>Consumption and losses</b>							
Consumption of the energy branch		9 620	11 017	10 508	11 619	10 930	11 904
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		6 886	6 079	6 056	5 844	6 510	6 516
Final energy consumption		35 575	37 465	38 736	38 811	40 916	40 928
<i>of which:</i>							
Industry		22 706	22 337	25 156	23 684	24 277	22 837
<i>among which:</i>							
Iron&steel industry		6 966	7 220	8 544	8 463	8 499	8 327
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		3 859	3 696	3 526	3 417	4 320	3 734
Non-met. mineral prod.		1 715	1 038	2 056	2 088	3 138	2 196
Food, drink, tobacco		1 536	2 570	3 343	2 905	1 418	1 424
Pulp, paper and print		694	812	707	542	655	621
Engineering & metal		3 148	2 827	2 609	2 338	2 526	2 703
Other industries		2 968	2 591	2 869	2 806	2 556	2 838
Transport		1 936	1 793	1 578	1 562	1 298	1 417
Services & households etc.		10 933	13 335	12 002	13 565	15 341	16 674
<i>among which:</i>							
Households		7 771	8 243	8 043	9 234	9 999	10 389

### 3.2 Electrical capacity, fuel inputs and heat

		ROMANIA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	19 588	19 369	19 624	18 951	19 224	20 203
<b>by source:</b>							
Conventional thermal		12 639	12 414	12 638	11 954	12 234	12 458
<i>of which:</i>							
Steam		12 558	12 347	12 557	11 846	12 037	12 168
Gas turbine		-	-	-	-	-	-
Combined cycle		-	-	-	-	-	-
Internal combustion		81	67	81	108	197	290
Nuclear		707	707	707	707	707	1 411
Hydro		6 242	6 248	6 279	6 289	6 282	6 331
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	-	1	1	3
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		18 893	18 794	19 015	18 323	18 329	19 271
Autoproducers		695	575	610	627	894	932
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	10 840	12 028	10 694	10 103	11 361	11 207
<i>among which:</i>							
Hard coal		168	-	221	197	249	559
Lignite and peat		5 842	6 687	5 959	5 786	6 823	6 657
Petroleum products		1 631	1 428	873	775	584	369
Natural gas		3 065	3 801	3 539	3 287	3 653	3 550
Renewables		11	2	2	2	5	5
Heating plants		1 364	1 096	1 032	825	831	643
<i>among which:</i>							
Hard coal		6	-	5	3	1	1
Lignite and peat		23	31	20	10	10	10
Petroleum products		206	176	142	74	190	49
Natural gas		1 050	875	798	717	544	553
Renewables		75	14	65	19	85	20
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	3 737	3 615	3 235	2 998	2 948	2 631
<i>among which: in heating plants</i>		1 078	941	854	657	568	484
Heat consumption		2 665	2 419	2 187	2 135	1 993	1 798
<i>of which: in industry</i>		447	343	479	355	343	308
in households and services		2 218	2 076	1 708	1 780	1 651	1 490
<i>among which: in households</i>		2 069	1 896	1 592	1 466	1 393	1 255

## 4.1 Crude oil and feedstocks

	ROMÂNIA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	6 072	5 890	5 705	5 437	4 996	4 745
Total imports	6 362	5 217	7 317	8 689	8 678	8 534
Total exports	-	-	-	-	-	-
Stock changes	-37	94	-240	-35	80	-62
Refinery intake	13 565	12 336	13 077	14 867	14 407	13 835
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	-	-	226	651	1 086
Near and Middle East	324	-	-	226	651	1 038
Africa	-	-	-	50	146	140
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	1 566	825	1 977	3 111	3 329	2 308
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	3 365	4 322	4 589	4 854	4 161	4 715
Saudi Arabia	-	-	-	-	-	-
Syria	324	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	ROMANIA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	13 453	12 040	13 077	14 867	14 407	13 781
<i>among which:</i>						
Motor spirit	3 572	3 297	3 422	4 238	4 146	3 799
Kerosene and jet fuel	173	191	222	247	260	286
Naphtha	670	460	639	507	582	610
Gas/diesel oil	4 689	3 988	4 170	4 709	4 593	4 606
Residual fuel oil	2 050	1 562	1 559	1 707	1 303	1 186
Total imports	1 844	1 934	1 928	1 085	1 393	1 374
Total exports	4 576	3 550	4 278	5 782	5 249	4 372
Bunkers	:	:	:	:	:	35
Stock changes	-1	76	-227	207	215	-175
Gross inland consumption	-2 733	-1 540	-2 577	-4 490	-3 641	-3 208
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	1	2	2	2	2	3
United Kingdom	3	9	5	11	7	4
Norway	4	19	20	20	23	1
OPEC	47	-	43	-	5	5
Imports by product						
<i>among which:</i>						
Motor spirit	28	74	86	63	66	74
Kerosene and jet fuel	17	40	41	20	1	22
Gas/diesel oil	222	500	433	191	252	427
Residual fuel oil	1 204	947	671	335	473	104
Exports by product						
<i>among which:</i>						
Motor spirit	1 980	1 726	1 963	2 715	2 791	2 201
Kerosene and jet fuel	44	84	91	106	95	130
Gas/diesel oil	2 122	1 350	1 591	1 900	1 603	1 171
Residual fuel oil	177	219	411	727	395	475
<b>Consumption</b>						
Inputs to electricity plants	1 700	1 494	913	808	606	381
Inputs to heating plants	209	178	144	75	197	49
Non-energy use	1 575	1 470	1 741	1 570	1 708	1 788
Final energy consumption	6 202	5 817	7 148	6 390	6 175	6 628
Industry						
<i>among which by product:</i>						
Gas/diesel oil	494	382	334	360	382	586
Residual fuel oil	393	257	334	294	371	111

	ROMÂNIA						
	in 1 000 t	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		149	125	158	212	250	22
Non-ferrous metals		-	-	-	-	-	1
Chemical industry		424	257	314	291	216	284
Non-met. mineral prod.		84	15	34	30	86	16
Food, drink, tobacco		178	98	101	70	95	178
Pulp, paper and print		23	25	23	10	9	24
Engineering & metal		112	113	43	47	42	39
Other industries		265	235	242	328	402	434
Transport		4 042	4 085	4 891	3 961	4 125	4 391
<i>among which:</i>							
Motor spirit		1 742	1 566	2 261	1 549	1 440	1 474
Jet fuel		98	120	137	110	137	177
Diesel oil		2 124	2 335	2 389	2 242	2 531	2 708
Services & households etc.		733	807	1 252	1 407	902	1 179
<i>among which:</i>							
Gas oil		397	361	580	330	310	418
Residual fuel oil		5	19	95	215	111	109
<b>Stocks at end of period</b>							
Crude oil and feedstocks		673	579	815	850	733	795
Petroleum products		1 270	1 194	1 423	1 216	1 001	1 148

## 5. Natural gas

<i>in TJ (GCV)</i>	ROMÂNIA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	493 064	485 135	482 759	451 305	444 656	429 507
Total imports	145 601	197 100	191 269	194 935	222 880	179 802
Total exports	-	-	-	-	-	-
Stock changes	-4 656	2 974	-25 664	2 346	4 103	-5 387
Gross inland consumption	634 009	685 209	648 364	648 586	671 639	603 922
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	145 601	177 283	191 269	194 935	209 425	164 124
<b>Consumption</b>						
Inputs to electricity plants	142 582	176 832	164 623	152 891	169 925	165 141
Inputs to heat plants	48 864	40 694	37 146	33 334	25 309	25 725
Consumption of energy branch	73 150	64 283	52 024	49 821	40 018	37 711
Distribution losses	19 045	23 733	19 873	26 478	40 993	21 791
Non-energy use	27 631	25 669	29 877	49 910	33 767	39 435
Industry	205 979	212 185	190 773	187 687	163 588	154 975
<i>among which:</i>						
Iron&steel industry	31 724	31 231	33 982	30 136	29 351	32 735
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	78 882	100 307	72 653	71 601	60 166	53 545
Non-met. mineral prod.	36 107	22 820	24 806	24 592	22 730	17 656
Food, drink, tobacco	13 027	14 913	16 075	27 497	12 820	15 870
Pulp, paper and print	5 825	6 566	4 185	5 129	4 124	4 313
Engineering & metal	22 485	16 534	17 167	14 551	16 295	15 909
Other industries	7 244	9 729	13 732	9 244	10 290	6 866
Transport	1 020	-	-	-	-	-
Services & households etc.	115 197	141 703	151 311	145 076	194 148	147 611
<i>among which:</i>						
Households	109 407	119 146	118 324	107 027	118 514	96 175
Services	4 267	21 502	31 386	36 362	74 253	50 267

## 6.1 Hard coal

<i>in 1 000 t</i>	ROMÂNIA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	13	10	53	32	21	12
Total imports	3 673	2 462	3 462	3 754	3 459	4 491
Total exports	-	-	-	-	8	67
Stock changes	-217	138	-92	-108	56	71
Gross inland consumption	3 469	2 610	3 423	3 678	3 528	4 507
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	151	118	-	-	72	534
Colombia	-	-	-	-	-	-
Russia	2 147	1 306	2 203	1 824	1 383	2 247
South Africa	306	-	-	-	166	35
USA	-	-	315	971	1 079	1 278
<b>Consumption</b>						
Inputs to electricity plants	292	-	382	337	425	951
Inputs to heat plants	10	-	9	5	2	1
Consumption of energy branch	10	3	5	6	3	1
Industry						
<i>among which:</i>						
Iron&steel industry	1	346	267	520	419	342
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	38	61	57	57
Non-met. mineral prod.	7	7	2	-	-	-
Food, drink, tobacco	-	-	3	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	3	-	29	16	-	8



## 6.2 Coal derivatives and peat

		ROMANIA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 866	1 638	1 675	1 891	1 790	1 647
Patent Fuel		-	-	-	-	-	-
Lignite and peat		30 415	33 053	31 739	31 074	34 911	35 769
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		12 775	10 161	11 323	12 589	12 503	10 966
Blast-furnace gas		24 624	24 972	26 514	24 815	22 981	23 506
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 595	1 756	1 780	1 679	1 681	1 640
<i>among which:</i>							
Iron & steel industry		1 483	1 658	1 707	1 654	1 659	1 630
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		759	682	802	740	731	661
<i>among which:</i>							
Industry		614	579	600	664	632	600
Services & households		145	102	202	76	99	61
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		6 192	4 461	4 912	5 606	6 115	5 059
Blast-furnace gas		14 145	16 869	17 453	18 721	17 818	17 671
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		5 037	4 553	4 201	2 372	1 987	2 842
Inputs to heat plants		-	-	-	-	-	278
Consumption of energy branch		11 099	8 367	9 712	9 115	8 081	6 957
Consumption in industry		20 337	21 330	22 365	24 327	23 933	22 717

## 7. Renewable energy sources

		ROMÂNIA					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	3 748	4 061	4 594	4 984	4 831	4 717
Hydro (excl. pumping)		1 380	1 140	1 420	1 737	1 578	1 373
Wind		-	-	-	-	0	0
Solar		-	-	-	-	-	0
Geothermal		17	18	13	18	18	20
Biomass		2 351	2 903	3 160	3 229	3 235	3 325
	<i>among which:</i>						
Wood, wood-waste		2 351	2 903	3 160	3 229	3 235	3 304
Municipal solid waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	1
Gross inland consumption		3 749	4 002	4 567	4 940	4 781	4 753
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		2	0	1	1	4	-
Biomass		83	16	65	20	86	25
	<i>among which:</i>						
Wood, wood-waste		83	16	65	20	86	24
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	1
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	2 272	2 836	3 059	3 183	3 056	3 282
	<i>by sector:</i>						
Industry		325	477	264	246	293	353
Services & households etc.		1 947	2 359	2 795	2 937	2 763	2 889
Transport		-	-	-	-	-	40
	<i>by source:</i>						
Biomass		2 257	2 818	3 047	3 166	3 042	3 256
	<i>among which:</i>						
Wood, wood-waste		2 257	2 818	3 047	3 166	3 042	3 215
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	1
Geothermal		15	18	12	17	13	26
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		54	72	86	77	71	90
Hydro with installed capacity > 1 & <10 MW		382	398	688	675	622	514
Hydro with installed capacity > 10 MW		15 610	12 789	15 914	19 530	17 662	15 362
Wood, Wood-waste		-	3	4	6	4	34
Municipal waste		-	-	-	-	-	-
Biogas		3	-	-	-	-	2

		ROMÂNIA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		70	74	64	63	56	62
Hydro with installed capacity > 1 & <10 MW		276	274	255	262	269	288
Hydro with installed capacity > 10 MW		5 896	5 900	5 959	5 964	5 957	5 981
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		3	-	-	-	-	1
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	-	22
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	-



## 1. Energy economy Key figures and energy indicators

		SLOVENIJA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	3 322	3 245	3 435	3 479	3 415	3 437
Net energy imports		3 452	3 698	3 722	3 825	3 837	3 882
Net oil imports		2 430	2 479	2 560	2 604	2 628	2 605
Net gas imports		815	902	894	925	896	912
Gross inland energy consumption		6 842	6 921	7 129	7 299	7 340	7 346
Final energy consumption		4 558	4 687	4 794	4 892	4 944	4 873
Industry		1 262	1 499	1 533	1 657	1 698	1 602
Transport		1 321	1 340	1 384	1 475	1 554	1 754
Services and households etc.		1 976	1 848	1 877	1 760	1 692	1 517
Gross electricity generation	GWh	14 599	13 820	15 271	15 117	15 115	15 043
Final electricity consumption		11 689	12 047	12 546	12 742	13 165	13 196
<b>Socio-economic statistics</b>							
Population	1000 per.	1 994	1 995	1 996	1 998	2 003	2 010
Total imports (current prices)	Mio EUR	13 260	13 949	16 091	17 983	20 824	24 636
among which:							
All energy commodities		:	:	850	1 695	2 096	2 072
Oil products		:	:	617	1 142	1 338	1 399
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 431	3 469	3 571	3 654	3 664	3 654
Final energy consumption / capita		2 286	2 349	2 401	2 449	2 468	2 424
Household consumption / capita		568	626	621	594	578	521
Final electricity consumption / capita	kWh/cap.	5 862	6 039	6 284	6 379	6 571	6 564
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	50.5	53.4	52.2	52.3	52.1	52.5
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	66.6	67.7	67.2	67.0	67.4	66.3
Efficiency of thermal power stations		41.2	43.2	43.4	44.2	43.9	42.3

## 2. Energy balance

### Principal aggregates by product

	SLOVENIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	3 322	3 245	3 435	3 479	3 415	3 437
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	1 175	1 184	1 201	1 184	1 210	1 239
Crude oil	-	-	-	-	-	-
Natural Gas	5	4	4	3	3	3
Nuclear heat	1 426	1 343	1 408	1 518	1 431	1 469
Hydro-electricity	285	254	352	298	309	281
Biomass	431	460	470	476	462	445
<b>Imports</b>						
Total	3 995	4 297	4 475	4 702	4 866	4 826
<i>among which:</i> Hard coal	266	269	317	295	296	280
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	2 549	2 572	2 680	2 822	3 031	3 039
Natural Gas	815	902	894	925	896	912
Electricity	326	514	543	622	608	528
<b>Exports</b>						
Total	543	599	754	877	1 029	944
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	119	93	119	218	403	435
Natural gas	-	-	-	-	-	-
Electricity	424	500	610	650	604	508
<b>Gross inland consumption</b>						
Total	6 842	6 921	7 129	7 299	7 340	7 346
<i>among which:</i> Solid fuels	1 566	1 489	1 535	1 540	1 564	1 607
Crude oil and petrol. prod.	2 413	2 446	2 522	2 554	2 658	2 588
Natural gas	820	907	899	929	899	914
Nuclear Energy	1 426	1 343	1 408	1 518	1 431	1 469
Renewables	715	714	822	774	768	735
<b>Transformation input</b>						
Total	3 069	2 918	2 994	3 115	3 056	3 145
<i>among which:</i> Crude oil and feedstocks	1	1	1	1	1	1
Petroleum products	19	16	14	14	18	12
Hard coal	208	207	214	213	205	229
Lignite and peat	1 255	1 167	1 191	1 198	1 239	1 266
Renewables	33	36	40	37	36	32
<b>Transformation output</b>						
Total	1 184	1 164	1 194	1 245	1 222	1 224
<i>among which:</i> Electricity	970	934	961	1 002	991	1 013
Heat	212	228	232	241	230	210

		SLOVENIJA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		4 558	4 687	4 794	4 892	4 944	4 873
<i>among which:</i>	Solid fuels	101	85	77	80	78	79
	Petroleum products	2 280	2 315	2 337	2 404	2 449	2 412
	Natural Gas	590	633	666	665	657	645
	Renewables	397	423	430	440	423	420
	Electricity	1 005	1 036	1 079	1 096	1 132	1 135
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		1 262	1 499	1 533	1 657	1 698	1 602
<i>among which:</i>	Solid fuels	95	81	77	80	78	79
	Petroleum Products	140	192	198	232	261	179
	Natural Gas	431	499	511	541	550	548
	Renewables	70	97	104	113	95	81
	Electricity	501	566	581	617	640	642
<b>Transport</b>							
Total		1 321	1 340	1 384	1 475	1 554	1 754
<i>among which:</i>	Motor spirit	802	783	697	685	668	648
	Diesel oil	475	516	651	750	842	1 044
	Jet fuel	29	26	20	23	25	32
	Electricity	15	15	16	17	17	17
<b>Services&amp;households</b>							
Total		1 976	1 848	1 877	1 760	1 692	1 517
<i>among which:</i>	Solid fuels	6	4	0	-	-	-
	Gas oil	725	705	697	633	589	433
	Natural Gas	159	134	155	124	107	97
	Renewables	327	326	326	327	326	326
	Electricity	489	454	482	462	475	476
	Heat	160	131	142	134	131	109

### 3.1 Electricity balance

	SLOVENIJA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		14 599	13 820	15 271	15 117	15 115	15 043
<i>among which:</i>							
Hydro		3 313	2 957	4 094	3 461	3 591	3 266
Wind		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Nuclear		5 528	5 207	5 459	5 884	5 548	5 695
Conventional thermal		5 758	5 656	5 718	5 772	5 976	6 082
<i>of which:</i>							
Hard coal		494	508	525	519	504	543
Lignite and peat		4 808	4 600	4 666	4 752	4 932	4 941
Petroleum products		66	50	43	42	52	29
Natural gas		288	370	358	339	371	453
Derived gases		-	-	-	-	-	-
Biomass		102	122	121	114	110	111
Industrial wastes		-	6	5	6	7	5
Total net generation		13 693	12 895	14 308	14 149	14 117	14 044
<b>Imports and exports</b>							
Total imports		3 794	5 975	6 314	7 234	7 071	6 140
Total exports		4 928	5 811	7 094	7 558	7 020	5 911
<b>Consumption and losses</b>							
Consumption of the energy branch		1 039	1 081	1 095	1 097	1 131	1 141
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		737	856	850	954	870	936
Final energy consumption		11 689	12 047	12 546	12 742	13 165	13 196
<i>of which:</i>							
Industry		5 827	6 588	6 755	7 172	7 440	7 468
<i>among which:</i>							
Iron&steel industry		860	644	657	750	819	601
Non-ferrous metals		1 494	1 757	1 798	1 911	1 838	1 963
Chemical industry		479	897	903	852	832	900
Non-met. mineral prod.		412	470	443	461	492	523
Food, drink, tobacco		254	300	284	296	352	319
Pulp, paper and print		669	684	734	753	744	729
Engineering & metal		764	889	945	1 035	1 162	1 307
Other industries		603	626	683	816	885	814
Transport		172	179	190	198	198	195
Services & households etc.		5 690	5 280	5 601	5 372	5 527	5 533
<i>among which:</i>							
Households		2 704	3 008	3 012	2 951	3 055	3 021



### 3.2 Electrical capacity, fuel inputs and heat

		SLOVENIJA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	2 943	2 970	2 965	2 992	3 039	3 035
<b>by source:</b>							
Conventional thermal		1 338	1 340	1 335	1 357	1 364	1 351
<i>of which:</i>							
Steam		1 027	1 001	997	1 003	1 002	992
Gas turbine		298	319	318	321	321	321
Combined cycle		-	-	-	-	-	-
Internal combustion		12	19	20	33	37	38
Nuclear		656	656	656	656	666	666
Hydro		949	974	974	979	1 009	1 018
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		2 757	2 784	2 782	2 810	2 858	2 861
Autoproducers		186	186	183	182	181	174
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	1 560	1 488	1 505	1 507	1 550	1 620
<i>among which:</i>							
Hard coal		208	207	214	213	205	229
Lignite and peat		1 255	1 167	1 191	1 198	1 239	1 266
Petroleum products		14	11	9	9	11	8
Natural gas		59	75	63	58	67	90
Renewables		25	27	29	29	28	27
Heating plants		81	86	79	89	74	55
<i>among which:</i>							
Hard coal		-	-	-	0	0	0
Lignite and peat		-	-	-	-	-	-
Petroleum products		5	5	5	5	7	4
Natural gas		68	72	63	76	59	46
Renewables		8	9	11	8	8	5
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	212	228	232	241	230	210
<i>among which: in heating plants</i>							
		65	72	71	72	63	48
Heat consumption		185	189	195	196	189	169
<i>of which: in industry</i>							
		25	58	53	62	58	60
<i>in households and services</i>							
		160	131	142	134	131	109
<i>among which: in households</i>							
		97	100	107	109	101	93

## 4.1 Crude oil and feedstocks

	SLOVENIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Refinery intake	-	-	-	-	-	-
<b>Imports of Crude Oil by origin</b>						
<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

	SLOVENIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	-	-	-	-	-	-
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Total imports	2 485	2 515	2 640	2 782	2 996	2 999
Total exports	116	91	116	212	394	428
Bunkers	-	-	-	22	30	49
Stock changes	-17	-32	-38	-28	57	30
Gross inland consumption	2 352	2 392	2 486	2 520	2 629	2 552
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	1	1	2	1	13	1
United Kingdom	-	1	26	-	4	-
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	779	783	719	730	701	667
Kerosene and jet fuel	35	30	23	22	26	32
Gas/diesel oil	1 377	1 394	1 520	1 641	1 798	1 879
Residual fuel oil	82	63	52	65	84	77
Exports by product						
<i>among which:</i>						
Motor spirit	18	27	30	62	75	71
Kerosene and jet fuel	6	2	1	-	1	-
Gas/diesel oil	87	55	81	141	298	314
Residual fuel oil	-	-	-	-	-	9
<b>Consumption</b>						
Inputs to electricity plants	14	11	9	9	11	8
Inputs to heating plants	5	5	5	5	7	4
Non-energy use	120	124	191	179	207	183
Final energy consumption	2 213	2 253	2 281	2 350	2 398	2 357
Industry						
<i>among which by product:</i>						
Gas/diesel oil	80	109	100	111	134	102
Residual fuel oil	50	41	47	59	43	17

	SLOVENIJA						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		1	1	1	3	4	2
Non-ferrous metals		4	5	4	5	6	7
Chemical industry		5	16	11	14	13	13
Non-met. mineral prod.		22	49	53	58	78	62
Food, drink, tobacco		32	32	33	30	36	17
Pulp, paper and print		1	1	13	30	12	2
Engineering & metal		16	32	26	28	35	24
Other industries		46	43	49	60	75	51
Transport		1 258	1 277	1 322	1 411	1 488	1 674
<i>among which:</i>							
Motor spirit		763	745	663	652	636	617
Jet fuel		28	25	19	22	24	31
Diesel oil		467	507	640	737	828	1 026
Services & households etc.		815	780	753	698	637	495
<i>among which:</i>							
Gas oil		713	693	685	622	579	426
Residual fuel oil		21	11	-	1	-	-
<b>Stocks at end of period</b>							
Crude oil and feedstocks		-	-	-	-	-	-
Petroleum products		116	148	187	213	156	126

## 5. Natural gas

<i>in TJ (GCV)</i>	SLOVENIJA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	240	199	201	160	160	120
Total imports	37 898	41 982	41 608	43 049	41 673	42 408
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	38 138	42 181	41 809	43 209	41 833	42 528
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	15 182	16 772	16 620	17 189	13 460	13 662
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	22 716	25 118	24 912	25 746	21 337	21 657
<b>Consumption</b>						
Inputs to electricity plants	2 743	3 476	2 917	2 705	3 107	4 164
Inputs to heat plants	3 163	3 339	2 951	3 549	2 732	2 129
Consumption of energy branch	240	199	201	160	160	137
Distribution losses	-	-	-	-	-	-
Non-energy use	4 543	5 729	4 762	5 869	5 260	6 080
Industry	20 032	23 214	23 759	25 158	25 584	25 510
<i>among which:</i>						
Iron&steel industry	2 724	3 067	3 235	3 554	3 464	3 374
Non-ferrous metals	610	790	838	881	941	1 252
Chemical industry	2 454	2 813	3 143	2 482	2 481	2 638
Non-met. mineral prod.	3 842	3 935	4 224	4 726	5 291	5 608
Food, drink, tobacco	1 480	2 445	1 407	1 460	1 719	1 521
Pulp, paper and print	3 694	4 422	4 841	5 020	4 544	4 971
Engineering & metal	2 122	2 516	2 928	3 500	3 440	3 066
Other industries	1 664	1 581	1 609	2 034	2 080	1 737
Transport	-	-	-	-	-	-
Services & households etc.	7 417	6 224	7 219	5 768	4 990	4 508
<i>among which:</i>						
Households	3 180	4 013	4 560	4 581	4 346	3 968
Services	4 237	2 211	2 659	1 187	644	540

## 6.1 Hard coal

	SLOVENIJA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	572	568	629	593	605	573
Total exports	-	11	49	20	34	2
Stock changes	-	42	14	39	-3	23
Gross inland consumption	572	599	594	612	568	594
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	-	13	13	36	34	18
South Africa	-	-	-	-	-	43
USA	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	463	477	478	488	453	470
Inputs to heat plants	-	-	-	1	1	1
Consumption of energy branch	-	-	-	-	-	-
Industry	106	108	102	113	104	115
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	11	-	-	-	-	-
Non-met. mineral prod.	22	41	32	39	37	59
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	69	65	70	73	66	55
Engineering & metal	-	-	-	-	-	1
Other industries	2	2	-	1	1	-
Services & households etc.	3	1	1	-	-	-

## 6.2 Coal derivatives and peat

		SLOVENIJA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		4 686	4 830	4 809	4 540	4 522	4 535
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		53	34	32	31	34	29
<i>among which:</i>							
Iron & steel industry		5	6	-	8	11	9
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		22	15	-	-	-	-
<i>among which:</i>							
Industry		2	-	-	-	-	-
Services & households		20	15	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	715	714	822	774	771	726
Hydro (excl. pumping)		285	254	352	298	309	281
Wind		-	-	-	-	-	-
Solar		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Biomass		431	460	470	476	462	445
	<i>among which:</i>						
Wood, wood-waste		426	454	463	469	449	429
Municipal solid waste		-	-	-	-	-	-
Biogas		5	6	7	7	8	12
Gross inland consumption		715	714	822	774	768	735
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		33	36	40	37	36	32
	<i>among which:</i>						
Wood, wood-waste		30	32	35	31	30	23
Municipal waste		-	-	-	-	-	-
Biogas		4	5	5	5	6	8
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	397	423	430	440	423	420
	<i>by sector:</i>						
Industry		70	97	104	113	95	81
Services & households etc.		327	326	326	327	326	326
Transport		-	-	-	-	2	13
	<i>by source:</i>						
Biomass		397	423	430	440	423	420
	<i>among which:</i>						
Wood, wood-waste		396	422	428	438	419	405
Municipal waste		-	-	-	-	-	-
Biogas		1	1	2	1	2	2
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		165	140	238	236	274	301
Hydro with installed capacity > 1 & <10 MW		162	126	199	147	151	149
Hydro with installed capacity > 10 MW		2 986	2 690	3 658	3 078	3 166	2 856
Wood, Wood-waste		84	98	90	82	76	63
Municipal waste		-	-	-	-	-	-
Biogas		18	24	30	32	35	48



		SLOVENIJA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		116	115	106	107	108	118
Hydro with installed capacity > 1 & <10 MW		40	36	37	36	36	33
Hydro with installed capacity > 10 MW		803	831	831	836	866	867
Wood, Wood-waste		15	13	13	13	14	6
Municipal waste		-	-	-	-	-	-
Biogas		3	3	5	5	6	7
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	6	5
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	-



# 1. Energy economy

## Key figures and energy indicators

		SLOVENSKO					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	6 485	6 281	6 151	6 251	6 302	5 622
Net energy imports		12 576	12 648	13 204	12 481	12 046	12 476
Net oil imports		3 315	3 193	3 323	3 312	3 473	3 516
Net gas imports		6 324	5 993	6 290	5 754	5 193	4 981
Gross inland energy consumption		19 324	19 233	19 130	19 054	18 832	18 074
Final energy consumption		11 115	10 702	10 845	10 596	10 668	10 501
Industry		4 201	4 363	4 383	4 475	4 521	4 394
Transport		1 792	1 604	1 586	1 789	1 824	2 021
Services and households etc.		5 122	4 736	4 875	4 332	4 323	4 085
Gross electricity generation	GWh	32 427	31 178	30 567	31 455	31 368	28 056
Final electricity consumption		22 760	22 985	24 027	22 850	23 585	24 573
<b>Socio-economic statistics</b>							
Population	1000 per.	5 379	5 379	5 380	5 385	5 389	5 394
Total imports (current prices)	Mio EUR	20 340	22 906	26 258	31 114	39 336	47 999
among which:							
All energy commodities		:	:	2 019	3 668	4 776	4 720
Oil products		:	:	1 026	2 060	2 751	3 007
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 593	3 575	3 556	3 538	3 494	3 351
Final energy consumption / capita		2 066	1 990	2 016	1 968	1 980	1 947
Household consumption / capita		553	523	495	470	430	386
Final electricity consumption / capita	kWh/cap.	4 231	4 273	4 466	4 243	4 376	4 556
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	65.1	65.8	69.0	65.5	64.0	69.0
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	57.5	55.6	56.7	55.6	56.6	58.1
Efficiency of thermal power stations		56.3	52.6	55.0	54.2	53.8	55.9

## 2. Energy balance

### Principal aggregates by product

in 1 000 toe	SLOVENSKO					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	6 485	6 281	6 151	6 251	6 302	5 622
among which:						
Hard coal	-	-	-	-	-	-
Lignite and peat	934	819	817	637	562	551
Crude oil	53	49	43	35	31	24
Natural Gas	145	166	142	126	176	109
Nuclear heat	4 631	4 608	4 392	4 573	4 646	3 955
Hydro-electricity	453	299	353	399	378	383
Biomass	260	331	397	473	501	589
<b>Imports</b>						
Total	16 884	17 029	18 111	17 537	17 358	17 762
among which:						
Hard coal	3 064	3 258	3 399	3 481	3 116	3 379
Crude oil and feedstocks	5 697	5 743	6 173	5 556	5 854	6 194
Petroleum products	881	816	1 094	1 334	1 306	1 245
Natural Gas	6 324	5 996	6 290	6 065	5 687	5 130
Electricity	577	741	751	688	739	1 168
<b>Exports</b>						
Total	4 308	4 380	4 908	5 056	5 312	5 286
among which:						
Crude oil and feedstocks	14	71	181	139	154	107
Petroleum products	3 249	3 295	3 763	3 438	3 533	3 816
Natural gas	-	3	-	311	494	150
Electricity	934	935	911	969	939	1 019
<b>Gross inland consumption</b>						
Total	19 324	19 233	19 130	19 054	18 832	18 074
among which:						
Solid fuels	4 285	4 608	4 526	4 232	4 456	4 006
Crude oil and petrol. prod.	3 672	3 423	3 496	3 750	3 671	3 850
Natural gas	6 321	6 136	6 111	5 921	5 378	5 089
Nuclear Energy	4 631	4 608	4 392	4 573	4 646	3 955
Renewables	724	633	742	825	859	992
<b>Transformation input</b>						
Total	16 245	16 754	16 765	16 375	16 443	15 656
among which:						
Crude oil and feedstocks	6 391	6 330	6 784	6 371	6 413	6 776
Petroleum products	95	120	104	101	107	108
Hard coal	2 429	2 616	2 576	2 573	2 582	2 408
Lignite and peat	675	992	809	723	695	613
Renewables	54	66	73	99	154	149
<b>Transformation output</b>						
Total	11 879	12 127	12 405	12 071	12 144	11 993
among which:						
Electricity	2 317	2 365	2 266	2 296	2 308	2 015
Heat	1 219	1 327	1 286	1 255	1 117	1 018

		SLOVENSKO					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		11 115	10 702	10 845	10 596	10 668	10 501
<i>among which:</i>	Solid fuels	1 439	1 393	1 723	1 515	1 637	1 453
	Petroleum products	2 286	2 008	1 973	2 170	2 109	2 204
	Natural Gas	3 785	3 587	3 318	3 233	3 268	3 057
	Renewables	217	268	315	327	326	457
	Electricity	1 957	1 976	2 066	1 965	2 028	2 113
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		4 201	4 363	4 383	4 475	4 521	4 394
<i>among which:</i>	Solid fuels	1 121	1 275	1 490	1 450	1 517	1 260
	Petroleum Products	410	341	297	312	250	249
	Natural Gas	1 249	1 005	855	969	954	977
	Renewables	209	262	275	277	241	323
	Electricity	775	881	922	949	1 021	1 048
<b>Transport</b>							
Total		1 792	1 604	1 586	1 789	1 824	2 021
<i>among which:</i>	Motor spirit	752	697	638	683	638	644
	Diesel oil	925	805	854	997	1 051	1 169
	Jet fuel	46	34	27	39	40	49
	Electricity	62	62	61	49	45	50
<b>Services&amp;households</b>							
Total		5 122	4 736	4 875	4 332	4 323	4 085
<i>among which:</i>	Solid fuels	318	118	233	65	120	192
	Gas oil	84	74	80	81	71	69
	Natural Gas	2 535	2 578	2 458	2 256	2 310	2 061
	Renewables	5	4	39	38	39	46
	Electricity	1 120	1 033	1 083	967	962	1 015
	Heat	995	871	905	869	763	681

### 3.1 Electricity balance

	SLOVENSKO						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		32 427	31 178	30 567	31 455	31 368	28 056
<i>among which:</i>							
Hydro		5 483	3 672	4 207	4 741	4 566	4 615
Wind		-	2	6	7	6	8
Geothermal		-	-	-	-	-	-
Nuclear		17 953	17 864	17 026	17 727	18 012	15 334
Conventional thermal		8 991	9 640	9 328	8 980	8 784	8 099
<i>of which:</i>							
Hard coal		3 141	3 553	3 342	3 520	3 365	2 894
Lignite and peat		2 014	2 413	2 339	2 016	1 944	1 908
Petroleum products		704	708	737	741	722	710
Natural gas		2 511	2 396	2 421	2 184	1 910	1 617
Derived gases		420	429	420	445	420	421
Biomass		152	112	35	56	422	497
Industrial wastes		49	29	34	18	1	52
Total net generation		29 980	28 715	28 153	29 291	28 775	25 750
<b>Imports and exports</b>							
Total imports		6 710	8 623	8 731	8 005	8 590	13 580
Total exports		10 867	10 878	10 593	11 270	10 921	11 855
<b>Consumption and losses</b>							
Consumption of the energy branch		4 187	3 807	3 253	:	:	:
<i>of which:</i>							
Consumption for pumped-storage		63	70	61	52	77	67
Network losses		1 108	1 939	1 318	1 687	1 399	1 414
Final energy consumption		22 760	22 985	24 027	22 850	23 585	24 573
<i>of which:</i>							
Industry		9 019	10 250	10 724	11 034	11 873	12 186
<i>among which:</i>							
Iron&steel industry		1 541	2 415	2 602	2 292	2 563	2 726
Non-ferrous metals		1 683	2 022	2 352	2 376	2 400	2 120
Chemical industry		1 415	1 460	1 406	1 699	1 797	1 774
Non-met. mineral prod.		855	1 013	788	800	810	950
Food, drink, tobacco		1 080	529	506	543	508	520
Pulp, paper and print		801	911	1 036	1 023	1 260	1 142
Engineering & metal		650	919	1 001	999	1 445	1 777
Other industries		686	704	736	972	796	891
Transport		720	726	708	572	527	586
Services & households etc.		13 021	12 009	12 595	11 244	11 185	11 801
<i>among which:</i>							
Households		5 157	5 039	4 817	4 701	4 577	4 602

### 3.2 Electrical capacity, fuel inputs and heat

		SLOVENSKO					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	8 119	8 202	8 268	8 247	8 210	7 324
<b>by source:</b>							
Conventional thermal		2 974	3 052	3 107	3 090	3 051	2 609
<i>of which:</i>							
Steam		2 675	2 744	2 802	2 770	2 753	2 304
Gas turbine		22	24	24	17	21	22
Combined cycle		253	254	254	254	220	256
Internal combustion		14	14	10	20	19	24
Nuclear		2 640	2 640	2 640	2 640	2 640	2 200
Hydro		2 505	2 507	2 518	2 512	2 514	2 515
<i>among which:</i>							
Pumped storage		919	919	916	916	916	916
Wind		-	3	3	5	5	-
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		7 460	7 520	7 678	7 693	7 600	6 714
Autoproducers		669	692	600	564	620	629
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	2 433	2 857	2 571	2 478	2 377	2 134
<i>among which:</i>							
Hard coal		805	920	873	:	:	:
Lignite and peat		668	971	790	715	690	608
Petroleum products		91	114	99	99	106	108
Natural gas		781	744	718	638	504	433
Renewables		25	47	31	40	97	110
Heating plants		641	678	749	718	624	533
<i>among which:</i>							
Hard coal		-	3	3	-	-	-
Lignite and peat		7	21	19	8	6	5
Petroleum products		4	7	5	2	1	-
Natural gas		576	623	673	633	556	479
Renewables		29	19	42	59	58	39
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	1 219	1 327	1 286	1 255	1 117	1 018
<i>among which: in heating plants</i>		577	604	621	630	543	473
Heat consumption		1 021	1 026	1 004	951	829	742
<i>of which: in industry</i>		25	155	99	82	66	62
<i>in households and services</i>		995	871	905	869	763	681
<i>among which: in households</i>		782	683	624	625	544	482

## 4.1 Crude oil and feedstocks

	SLOVENSKO					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	52	48	42	34	31	24
Total imports	5 633	5 666	6 075	5 455	5 778	6 094
Total exports	14	70	178	137	152	105
Stock changes	32	35	-179	89	-78	-101
Refinery intake	6 317	6 244	6 677	6 258	6 329	6 667
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	-	-	-	-	-
Near and Middle East	-	-	-	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	41	35	15	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	5 474	5 520	5 826	5 353	5 721	6 056
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	:	:	:
United Arab Emirates	-	-	-	-	-	-



## 4.2 Petroleum products

	SLOVENSKO					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	6 205	6 154	6 575	6 191	6 276	6 628
<i>among which:</i>						
Motor spirit	1 555	1 597	1 670	1 584	1 449	1 596
Kerosene and jet fuel	44	64	62	38	47	80
Naphtha	530	515	573	560	543	538
Gas/diesel oil	2 338	2 349	2 598	2 455	2 587	2 819
Residual fuel oil	675	635	585	543	654	544
Total imports	884	823	1 106	1 342	1 332	1 252
Total exports	3 230	3 278	3 736	3 414	3 523	3 798
Bunkers	-	-	-	-	-	-
Stock changes	-1	-107	22	-30	-97	49
Gross inland consumption	-2 347	-2 562	-2 608	-2 102	-2 288	-2 497
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	-	1	1	8	8	1
United Kingdom	-	-	-	-	-	-
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	324	246	216	:	:	:
Kerosene and jet fuel	16	22	93	76	12	2
Gas/diesel oil	285	233	445	515	499	587
Residual fuel oil	16	64	41	31	104	50
Exports by product						
<i>among which:</i>						
Motor spirit	1 151	1 130	1 275	1 187	1 090	1 180
Kerosene and jet fuel	11	32	20	30	8	14
Gas/diesel oil	1 567	1 587	2 013	1 825	1 899	2 097
Residual fuel oil	260	274	157	113	212	270
<b>Consumption</b>						
Inputs to electricity plants	95	119	104	103	111	112
Inputs to heating plants	4	7	5	2	1	-
Non-energy use	932	925	918	852	877	945
Final energy consumption	2 259	1 977	1 938	2 136	2 082	2 168
Industry						
<i>among which by product:</i>						
Gas/diesel oil	26	27	37	19	18	21
Residual fuel oil	273	230	136	192	193	208

	SLOVENSKO						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		-	-	6	2	-	-
Non-ferrous metals		-	-	-	-	-	-
Chemical industry		316	230	186	212	131	158
Non-met. mineral prod.		47	59	70	70	87	63
Food, drink, tobacco		3	4	2	3	5	1
Pulp, paper and print		7	8	8	5	8	7
Engineering & metal		1	4	1	2	2	1
Other industries		53	40	29	27	30	24
Transport		1 678	1 493	1 478	1 676	1 687	1 819
<i>among which:</i>							
Motor spirit		716	663	607	650	607	613
Jet fuel		45	33	26	38	39	48
Diesel oil		916	797	845	987	1 040	1 157
Services & households etc.		146	128	153	135	127	88
<i>among which:</i>							
Gas oil		83	73	79	80	70	68
Residual fuel oil		-	-	17	7	7	-
<b>Stocks at end of period</b>							
Crude oil and feedstocks		278	243	422	333	411	512
Petroleum products		443	550	528	558	655	606

## 5. Natural gas

	SLOVENSKO					
	<i>in TJ (GCV)</i>	2002	2003	2004	2005	2006
<b>Primary production and supply</b>						
Primary production	6 754	7 745	6 603	5 876	8 187	5 056
Total imports	294 203	278 951	292 628	282 145	264 567	238 667
Total exports	-	151	-	14 461	22 994	6 967
Stock changes	-6 889	-1 102	-14 944	1 906	419	-
Gross inland consumption	294 068	285 443	284 287	275 466	250 179	236 756
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	294 203	278 951	292 628	282 145	264 567	236 839
<b>Consumption</b>						
Inputs to electricity plants	36 324	34 626	33 416	29 657	23 441	20 152
Inputs to heat plants	26 807	28 988	31 293	29 451	25 888	22 306
Consumption of energy branch	29 832	30 249	36 881	35 731	26 864	29 201
Distribution losses	3 736	5 483	5 788	:	:	:
Non-energy use	16 113	14 441	16 595	17 930	14 931	15 216
Industry	58 110	46 750	39 766	45 084	44 377	45 469
<i>among which:</i>						
Iron&steel industry	9 133	7 176	6 723	6 780	7 515	7 398
Non-ferrous metals	1 211	1 302	1 382	1 294	1 275	1 378
Chemical industry	9 026	4 764	3 442	3 373	3 560	3 663
Non-met. mineral prod.	12 633	9 669	7 466	11 029	8 907	10 254
Food, drink, tobacco	9 010	7 470	5 871	7 246	6 118	6 100
Pulp, paper and print	2 976	2 064	2 817	2 579	4 790	4 534
Engineering & metal	7 335	7 769	5 181	5 789	6 452	6 589
Other industries	2 778	2 732	2 647	3 776	2 880	2 956
Transport	62	183	274	367	215	866
Services & households etc.	117 909	119 933	114 334	104 932	107 443	95 883
<i>among which:</i>						
Households	74 580	74 864	69 156	65 943	59 698	51 649
Services	41 992	43 622	43 584	37 133	46 342	42 970

## 6.1 Hard coal

<i>in 1 000 t</i>	SLOVENSKO					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	4 629	4 945	5 183	5 263	4 665	5 286
Total exports	-	-	-	-	-	-
Stock changes	97	145	-32	-280	483	-265
Gross inland consumption	4 726	5 090	5 151	4 983	5 148	5 021
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	1 630	1 730	1 468	2 148	1 355	1 863
South Africa	-	-	-	-	16	-
USA	-	-	60	290	206	306
<b>Consumption</b>						
Inputs to electricity plants	1 345	1 540	1 598	1 540	1 536	1 285
Inputs to heat plants	-	5	5	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	607	716	1 093	1 092	1 170	1 135
<i>among which:</i>						
Iron&steel industry	394	449	851	848	947	889
Non-ferrous metals	24	16	11	9	6	4
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	129	185	152	170	161	178
Food, drink, tobacco	-	-	-	-	1	1
Pulp, paper and print	59	61	55	62	55	63
Engineering & metal	-	4	3	2	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	8	-	34	1	54	200

## 6.2 Coal derivatives and peat

		SLOVENSKO					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 806	1 886	1 883	1 846	1 856	1 748
Patent Fuel		-	-	-	-	-	-
Lignite and peat		3 404	3 097	2 952	2 511	2 201	2 111
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		14 346	15 025	14 883	14 717	14 842	14 521
Blast-furnace gas		22 028	24 632	23 834	24 559	30 189	27 877
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		996	1 193	1 182	1 065	1 094	758
<i>among which:</i>							
Iron & steel industry		937	1 112	1 081	1 023	1 050	707
Services & households		14	49	53	4	10	13
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	:	:	:
Lignite and peat		1 368	546	820	437	500	407
<i>among which:</i>							
Industry		266	226	211	198	197	149
Services & households		1 102	320	609	239	303	258
Brown coal briquettes		1	1	10	1	1	1
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		1	1	10	1	1	1
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		10 262	10 592	10 387	10 034	9 988	10 157
Blast-furnace gas		7 351	8 516	8 513	8 481	10 110	10 032
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		2 399	2 601	2 592	2 769	2 568	2 551
Inputs to heat plants		95	33	48	34	43	37
Consumption of energy branch		15 071	16 364	15 805	16 247	17 865	16 921
Consumption in industry		17 613	19 108	18 900	18 515	20 098	20 189

## 7. Renewable energy sources

		SLOVENSKO					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	723	638	758	881	886	983
Hydro (excl. pumping)		453	299	353	399	378	383
Wind		-	0	1	1	1	1
Solar		-	-	-	0	0	0
Geothermal		9	8	8	8	6	10
Biomass		260	331	397	473	501	589
	<i>among which:</i>						
Wood, wood-waste		251	300	350	398	409	484
Municipal solid waste		4	26	29	35	42	38
Biogas		3	4	6	5	8	7
Gross inland consumption		724	633	742	825	859	992
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		8	7	7	7	5	9
Biomass		47	59	67	92	150	140
	<i>among which:</i>						
Wood, wood-waste		42	32	37	53	105	97
Municipal waste		4	26	29	35	42	38
Biogas		1	2	1	4	3	5
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	217	268	315	327	326	457
	<i>by sector:</i>				:	:	:
Industry		209	262	275	277	241	323
Services & households etc.		5	4	39	38	39	46
Transport		3	2	1	11	45	89
	<i>by source:</i>						
Biomass		215	267	314	326	324	456
	<i>among which:</i>						
Wood, wood-waste		210	263	308	314	275	364
Municipal waste		-	-	-	-	-	-
Biogas		3	2	5	1	5	2
Geothermal		2	1	1	1	2	2
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		16	13	20	37	38	44
Hydro with installed capacity > 1 & <10 MW		13	15	22	23	26	35
Hydro with installed capacity > 10 MW		5 239	3 452	4 058	4 578	4 335	4 372
Wood, Wood-waste		150	84	3	4	367	441
Municipal waste		-	26	30	47	47	45
Biogas		2	2	2	4	8	11

		SLOVENSKO					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		4	5	9	16	20	13
Hydro with installed capacity > 1 & <10 MW		3	5	5	46	43	44
Hydro with installed capacity > 10 MW		1 579	1 578	1 588	1 535	1 534	1 542
Wood, Wood-waste		1	1	-	44	108	134
Municipal waste		-	6	6	6	6	6
Biogas		2	1	1	2	2	3
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	3	2	12	35	43	70
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	72	80





## 1. Energy economy Key figures and energy indicators

		SUOMI/FINLAND					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	15 579	15 508	15 415	16 210	17 787	15 719
Net energy imports		18 844	22 420	20 958	19 306	20 946	20 473
Net oil imports		10 216	11 343	11 132	10 985	11 570	11 217
Net gas imports		3 684	4 084	3 951	3 598	3 876	3 722
Gross inland energy consumption		35 205	37 235	37 494	34 666	37 825	37 630
Final energy consumption		25 092	25 630	26 093	25 238	26 754	26 579
Industry		12 093	12 384	12 884	12 089	13 357	12 931
Transport		4 567	4 703	4 809	4 822	4 948	5 145
Services and households etc.		8 432	8 544	8 400	8 328	8 449	8 503
Gross electricity generation	GWh	74 899	84 230	85 817	70 550	82 304	81 249
Final electricity consumption		79 681	80 855	83 128	80 938	85 775	86 085
<b>Socio-economic statistics</b>							
Population	1000 per.	5 195	5 206	5 220	5 237	5 256	5 277
Total imports (current prices)	Mio EUR	44 584	45 965	50 284	58 813	67 195	73 056
among which:							
All energy commodities		4 046	4 481	4 481	5 887	8 473	8 213
Oil products		2 978	3 145	3 616	4 899	6 436	6 488
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	6 777	7 152	7 183	6 620	7 197	7 131
Final energy consumption / capita		4 830	4 923	4 999	4 820	5 091	5 037
Household consumption / capita		949	958	924	925	941	949
Final electricity consumption / capita	kWh/cap.	15 338	15 530	15 926	15 456	16 321	16 313
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	52.6	59.2	55.2	54.9	54.6	53.8
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	71.3	68.8	69.6	72.8	70.7	70.6
Efficiency of thermal power stations		69.8	64.9	68.0	76.6	68.8	70.9

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	SUOMI/FINLAND					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	15 579	15 508	15 415	16 210	17 787	15 719
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	2 107	1 832	885	2 129	3 224	1 088
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	5 751	5 864	5 860	6 003	5 909	6 042
Hydro-electricity	927	825	1 296	1 185	988	1 219
Biomass	6 789	6 979	7 364	6 878	7 651	7 353
<b>Imports</b>						
Total	24 457	28 696	27 285	24 615	26 928	27 183
<i>among which:</i> Hard coal	3 641	6 291	5 171	3 004	4 251	4 154
Crude oil and feedstocks	12 200	12 501	12 740	11 068	12 709	12 659
Petroleum products	3 450	4 458	4 068	5 058	4 524	4 931
Natural Gas	3 684	4 084	3 951	3 598	3 876	3 722
Electricity	1 158	1 022	1 003	1 543	1 214	1 326
<b>Exports</b>						
Total	5 613	6 275	6 326	5 310	5 981	6 709
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	5 434	5 616	5 676	5 142	5 663	6 373
Natural gas	-	-	-	-	-	-
Electricity	132	604	584	80	234	246
<b>Gross inland consumption</b>						
Total	35 205	37 235	37 494	34 666	37 825	37 630
<i>among which:</i> Solid fuels	6 488	8 315	7 508	4 925	7 453	7 212
Crude oil and petrol. prod.	10 359	10 506	11 086	10 625	10 979	11 013
Natural gas	3 684	4 084	3 951	3 598	3 876	3 722
Nuclear Energy	5 751	5 864	5 860	6 003	5 909	6 042
Renewables	7 683	7 765	8 612	8 000	8 576	8 515
<b>Transformation input</b>						
Total	30 572	33 514	32 760	29 061	33 933	33 597
<i>among which:</i> Crude oil and feedstocks	13 639	13 575	14 027	13 248	14 457	15 050
Petroleum products	391	516	419	366	457	427
Hard coal	3 955	5 383	4 788	2 648	4 724	4 170
Lignite and peat	1 754	2 177	1 850	1 381	1 942	2 132
Renewables	1 920	2 294	2 334	2 263	3 148	2 783
<b>Transformation output</b>						
Total	23 553	25 056	25 175	23 084	26 511	26 476
<i>among which:</i> Electricity	5 508	6 410	6 073	4 866	6 075	5 751
Heat	3 457	4 070	4 060	3 895	4 764	4 644

		SUOMI/FINLAND					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		25 092	25 630	26 093	25 238	26 754	26 579
<i>among which:</i>	Solid fuels	1 104	988	951	968	955	934
	Petroleum products	7 742	7 961	8 094	8 000	8 241	8 128
	Natural Gas	973	905	788	795	890	862
	Renewables	4 830	4 639	4 971	4 537	4 426	4 497
	Electricity	6 851	6 952	7 148	6 959	7 375	7 402
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		12 093	12 384	12 884	12 089	13 357	12 931
<i>among which:</i>	Solid fuels	1 074	956	919	938	924	903
	Petroleum Products	1 462	1 602	1 698	1 660	1 844	1 515
	Natural Gas	899	832	714	719	811	783
	Renewables	3 662	3 470	3 803	3 380	3 247	3 331
	Electricity	3 755	3 810	3 965	3 720	4 036	4 022
<b>Transport</b>							
Total		4 567	4 703	4 809	4 822	4 948	5 145
<i>among which:</i>	Motor spirit	1 927	1 988	1 969	1 957	1 955	1 958
	Diesel oil	2 043	2 094	2 183	2 199	2 274	2 392
	Jet fuel	493	506	548	565	608	676
	Electricity	51	54	54	56	58	62
<b>Services&amp;households</b>							
Total		8 432	8 544	8 400	8 328	8 449	8 503
<i>among which:</i>	Solid fuels	30	32	32	31	31	31
	Gas oil	1 486	1 436	1 384	1 327	1 375	1 386
	Natural Gas	72	70	72	73	76	75
	Renewables	1 168	1 165	1 164	1 157	1 178	1 164
	Electricity	3 045	3 089	3 129	3 184	3 281	3 318
	Heat	2 349	2 469	2 354	2 305	2 371	2 379

### 3.1 Electricity balance

	SUOMI/FINLAND						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		74 899	84 230	85 817	70 550	82 304	81 249
<i>among which:</i>							
Hydro		10 776	9 591	15 070	13 784	11 494	14 177
Wind		64	93	120	170	156	188
Geothermal		-	-	-	-	-	-
Nuclear		22 295	22 731	22 716	23 271	22 906	23 423
Conventional thermal		41 762	51 813	47 909	33 322	47 745	43 457
<i>of which:</i>							
Hard coal		12 611	18 880	16 503	6 492	16 320	13 969
Lignite and peat		6 448	7 320	6 525	4 482	6 643	7 403
Petroleum products		601	934	615	497	483	468
Natural gas		11 304	13 941	12 779	11 251	12 317	10 544
Derived gases		670	566	629	687	647	590
Biomass		9 740	9 700	10 509	9 607	10 860	10 060
Industrial wastes		388	472	349	306	475	423
Total net generation		71 617	80 379	82 154	67 808	78 624	77 819
<b>Imports and exports</b>							
Total imports		13 464	11 882	11 667	17 948	14 118	15 419
Total exports		1 539	7 030	6 797	933	2 717	2 862
<b>Consumption and losses</b>							
Consumption of the energy branch		4 202	4 780	4 598	3 631	4 689	4 676
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		2 941	3 447	2 959	2 999	3 244	3 043
Final energy consumption		79 681	80 855	83 128	80 938	85 775	86 085
<i>of which:</i>							
Industry		43 668	44 306	46 111	43 261	46 942	46 776
<i>among which:</i>							
Iron&steel industry		2 615	3 201	3 371	3 271	3 465	3 284
Non-ferrous metals		2 072	1 918	2 098	2 055	2 123	2 214
Chemical industry		5 369	4 633	4 781	4 667	4 871	4 910
Non-met. mineral prod.		924	942	985	996	1 034	1 079
Food, drink, tobacco		1 540	1 547	1 573	1 572	1 470	1 590
Pulp, paper and print		24 958	25 118	26 275	23 576	26 789	26 461
Engineering & metal		2 537	2 463	2 469	2 524	2 457	2 482
Other industries		2 809	3 664	3 724	3 769	3 859	3 854
Transport		594	627	630	648	675	724
Services & households etc.		35 419	35 922	36 387	37 029	38 158	38 585
<i>among which:</i>							
Households		19 940	20 405	20 364	20 578	21 140	21 491

## 3.2 Electrical capacity, fuel inputs and heat

		SUOMI/FINLAND					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	16 566	16 553	16 563	16 464	16 557	16 698
<b>by source:</b>							
Conventional thermal		10 888	10 864	10 811	10 676	10 738	10 815
<i>of which:</i>							
Steam		7 405	7 381	7 328	7 193	7 255	7 273
Gas turbine		1 847	1 847	1 847	1 847	1 847	1 906
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		2 964	2 966	2 999	3 035	3 062	3 102
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		43	52	82	82	86	110
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		14 296	14 286	14 297	14 198	14 292	14 453
Autoproducers		2 270	2 270	2 270	2 270	2 270	2 250
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	9 043	11 737	10 584	7 533	11 276	10 165
<i>among which:</i>							
Hard coal		3 005	4 427	3 832	1 690	3 799	3 252
Lignite and peat		1 691	2 079	1 757	1 283	1 840	1 997
Petroleum products		127	226	137	102	157	134
Natural gas		2 177	2 603	2 493	2 193	2 374	2 037
Renewables		1 802	2 108	2 136	2 043	2 884	2 524
Heating plants		827	1 024	971	954	980	1 034
<i>among which:</i>							
Hard coal		32	59	63	65	57	50
Lignite and peat		63	98	93	98	102	135
Petroleum products		264	290	282	264	300	294
Natural gas		212	235	323	295	256	293
Renewables		119	186	198	220	265	259
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	3 457	4 070	4 060	3 895	4 764	4 644
<i>among which: in heating plants</i>							
		735	906	984	989	1 111	1 170
Heat consumption		3 212	3 789	3 763	3 597	4 452	4 346
<i>of which: in industry</i>							
		863	1 320	1 410	1 292	2 081	1 967
<i>in households and services</i>							
		2 349	2 469	2 354	2 305	2 371	2 379
<i>among which: in households</i>							
		1 433	1 493	1 387	1 431	1 470	1 485

## 4.1 Crude oil and feedstocks

	SUOMI/FINLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	11 896	12 167	12 395	10 748	12 326	12 304
Total exports	-	-	-	-	-	-
Stock changes	352	-77	-64	168	-184	-3
Refinery intake	13 309	13 224	13 665	12 889	14 053	14 662
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	-	-	-	131	-
Near and Middle East	-	-	-	-	-	-
Africa	-	-	-	-	131	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	655	650	498	386	466	565
Kuwait	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	1 799	1 066	585	209	1 300	462
Russia	6 270	7 807	9 511	8 548	7 770	9 074
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	SUOMI/FINLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	13 073	13 028	13 474	12 766	14 073	14 503
<i>among which:</i>						
Motor spirit	4 350	4 304	4 321	4 061	4 298	4 348
Kerosene and jet fuel	659	614	714	592	715	717
Naphtha	203	188	258	205	254	318
Gas/diesel oil	5 128	5 038	5 078	4 964	5 816	5 863
Residual fuel oil	1 403	1 267	1 445	1 318	1 271	1 402
Total imports	3 442	4 431	4 033	5 041	4 517	4 929
Total exports	5 254	5 450	5 507	4 990	5 501	6 218
Bunkers	658	654	527	518	570	467
Stock changes	240	-185	341	-237	-128	-73
Gross inland consumption	-2 207	-1 828	-1 627	-677	-1 651	-1 816
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	121	119	115	168	249	322
United Kingdom	145	125	63	39	52	65
Norway	397	614	556	633	335	372
OPEC	-	11	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	290	421	360	344	97	95
Kerosene and jet fuel	47	15	17	103	80	77
Gas/diesel oil	1 682	2 082	1 990	2 492	2 482	2 655
Residual fuel oil	806	983	654	803	737	986
Exports by product						
<i>among which:</i>						
Motor spirit	2 751	2 561	2 776	2 384	2 418	2 428
Kerosene and jet fuel	174	79	185	154	146	99
Gas/diesel oil	1 933	2 243	1 882	1 839	2 222	2 569
Residual fuel oil	28	23	141	67	78	463
<b>Consumption</b>						
Inputs to electricity plants	132	236	143	106	164	139
Inputs to heating plants	275	302	294	275	312	305
Non-energy use	918	947	944	1 011	798	1 216
Final energy consumption	7 588	7 808	7 940	7 841	8 067	7 951
Industry						
<i>among which by product:</i>						
Gas/diesel oil	485	554	567	584	583	436
Residual fuel oil	776	863	907	805	787	679

	SUOMI/FINLAND						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		357	424	456	422	458	383
Non-ferrous metals		15	17	20	16	15	15
Chemical industry		158	138	160	188	287	271
Non-met. mineral prod.		87	91	108	106	120	115
Food, drink, tobacco		55	61	64	56	49	41
Pulp, paper and print		300	314	314	291	270	244
Engineering & metal		35	35	42	41	42	35
Other industries		429	502	474	517	512	373
Transport		4 374	4 499	4 602	4 618	4 738	4 927
<i>among which:</i>							
Motor spirit		1 834	1 892	1 874	1 862	1 860	1 863
Jet fuel		480	493	534	550	592	658
Diesel oil		2 008	2 058	2 145	2 161	2 235	2 351
Services & households etc.		1 736	1 686	1 620	1 549	1 493	1 516
<i>among which:</i>							
Gas oil		1 460	1 411	1 360	1 304	1 351	1 362
Residual fuel oil		149	143	141	128	133	139
<b>Stocks at end of period</b>							
Crude oil and feedstocks		1 063	1 140	1 204	1 036	1 220	1 223
Petroleum products		2 194	2 304	2 038	2 275	2 306	2 379



## 5. Natural gas

<i>in TJ (GCV)</i>	SUOMI/FINLAND					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	171 371	190 004	183 779	167 381	180 308	173 166
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	171 371	190 004	183 779	167 381	180 308	173 166
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	171 371	190 004	183 779	167 381	180 308	173 166
<b>Consumption</b>						
Inputs to electricity plants	101 279	121 097	115 969	102 017	110 439	94 749
Inputs to heat plants	9 872	10 917	15 038	13 720	11 901	13 632
Consumption of energy branch	12 989	13 417	12 978	12 589	12 958	14 936
Distribution losses	-	-	-	-	-	-
Non-energy use	1 875	2 000	2 400	2 440	3 471	9 576
Industry	41 822	38 702	33 204	33 462	37 708	36 441
<i>among which:</i>						
Iron&steel industry	2 729	2 731	2 610	2 512	2 580	2 463
Non-ferrous metals	7	9	10	11	11	12
Chemical industry	860	889	881	852	881	1 292
Non-met. mineral prod.	3 216	3 378	3 400	3 340	3 680	3 700
Food, drink, tobacco	1 390	1 230	1 010	820	950	1 317
Pulp, paper and print	26 416	25 442	24 330	24 423	25 632	23 031
Engineering & metal	510	499	506	738	917	843
Other industries	6 419	4 267	209	511	2 794	3 522
Transport	120	120	120	120	160	160
Services & households etc.	3 334	3 272	3 352	3 392	3 513	3 512
<i>among which:</i>						
Households	1 211	1 210	1 275	1 352	1 572	1 707
Services	1 483	1 463	1 518	1 441	1 342	1 286

## 6.1 Hard coal

<i>in 1 000 t</i>	SUOMI/FINLAND					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	5 790	10 146	8 286	4 723	6 684	6 670
Total exports	-	-	-	-	-	-
Stock changes	827	-1 284	-204	-125	928	405
Gross inland consumption	6 617	8 862	8 082	4 598	7 612	7 075
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	405	525	336	487	249	559
Colombia	134	59	-	-	323	88
Russia	2 636	5 594	5 493	2 736	3 622	4 824
South Africa	66	412	-	-	379	-
USA	223	266	430	382	791	354
<b>Consumption</b>						
Inputs to electricity plants	4 940	7 276	6 368	2 808	6 238	5 403
Inputs to heat plants	52	97	106	106	93	83
Consumption of energy branch	-	-	-	-	-	-
Industry	355	257	237	276	201	182
<i>among which:</i>						
Iron&steel industry	-	-	-	-	-	-
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	74	70	79	89	-	-
Non-met. mineral prod.	195	167	139	168	181	163
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	86	20	19	19	20	19
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	8	8	7	7	7	7

## 6.2 Coal derivatives and peat

		SUOMI/FINLAND					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		912	895	904	894	870	865
Patent Fuel		-	-	-	-	-	-
Lignite and peat		8 733	7 305	3 633	8 737	13 235	4 466
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		8 048	8 047	7 704	7 425	7 289	7 540
Blast-furnace gas		16 475	17 489	17 828	18 013	18 596	18 323
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		788	814	786	784	765	750
<i>among which:</i>							
Iron & steel industry		767	780	749	747	730	715
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		1 436	1 088	1 092	1 072	1 259	1 266
<i>among which:</i>							
Industry		1 331	979	979	964	1 149	1 156
Services & households		105	109	113	108	110	110
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		6 543	6 802	6 722	6 564	6 789	6 337
Blast-furnace gas		9 210	9 633	8 712	9 176	10 428	10 634
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		6 799	7 194	8 229	8 031	7 894	7 581
Inputs to heat plants		877	619	469	468	47	105
Consumption of energy branch		-	-	-	-	-	-
Consumption in industry		15 753	16 435	15 434	15 740	17 217	16 971

## 7. Renewable energy sources

		SUOMI/FINLAND					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	7 721	7 813	8 671	8 078	8 654	8 589
Hydro (excl. pumping)		927	825	1 296	1 185	988	1 219
Wind		6	8	10	15	13	16
Solar		1	1	1	1	1	1
Geothermal		-	-	-	-	-	-
Biomass		6 789	6 979	7 364	6 878	7 651	7 353
	<i>among which:</i>						
Wood, wood-waste		6 697	6 841	7 188	6 679	7 481	7 149
Municipal solid waste		74	118	149	157	134	162
Biogas		17	20	26	42	36	42
Gross inland consumption		7 683	7 765	8 612	8 000	8 576	8 515
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		1 920	2 294	2 334	2 263	3 148	2 783
	<i>among which:</i>						
Wood, wood-waste		1 852	2 178	2 216	2 108	3 014	2 624
Municipal waste		60	104	106	128	111	134
Biogas		8	11	12	27	24	25
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	4 830	4 639	4 971	4 537	4 426	4 497
	<i>by sector:</i>						
Industry		3 662	3 470	3 803	3 380	3 247	3 331
Services & households etc.		1 168	1 165	1 164	1 157	1 178	1 164
Transport		1	4	5	-	1	1
	<i>by source:</i>						
Biomass		4 830	4 639	4 971	4 536	4 425	4 496
	<i>among which:</i>						
Wood, wood-waste		4 806	4 612	4 909	4 493	4 389	4 450
Municipal waste		14	14	43	29	23	28
Biogas		9	9	14	14	13	17
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		2	2	2	3	3	4
Hydro with installed capacity < 1 MW		97	90	139	127	98	150
Hydro with installed capacity > 1 & <10 MW		756	663	1 120	1 025	830	1 056
Hydro with installed capacity > 10 MW		9 923	8 838	13 811	12 633	10 566	12 972
Wood, Wood-waste		9 496	9 385	10 182	9 238	10 538	9 661
Municipal waste		215	291	304	347	294	369
Biogas		29	24	22	22	27	29

		SUOMI/FINLAND					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		3	3	3	4	5	5
Hydro with installed capacity < 1 MW		31	31	31	31	31	31
Hydro with installed capacity > 1 & <10 MW		275	275	275	275	285	285
Hydro with installed capacity > 10 MW		2 658	2 660	2 693	2 729	2 746	2 786
Wood, Wood-waste		1 600	1 700	1 700	1 720	1 730	1 757
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	-	-
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	11	12	14	16	18	19



## 1. Energy economy Key figures and energy indicators

		SVERIGE					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	31 225	30 390	33 799	34 166	32 275	33 068
Net energy imports		19 873	22 835	20 350	20 179	19 797	18 976
Net oil imports		16 134	18 247	17 019	17 416	16 059	15 461
Net gas imports		891	888	884	843	882	911
Gross inland energy consumption		51 055	50 483	52 629	51 689	50 341	50 564
Final energy consumption		33 513	33 576	33 624	33 740	33 218	33 455
Industry		12 545	12 373	12 694	12 664	12 761	12 828
Transport		8 024	8 195	8 418	8 608	8 569	8 796
Services and households etc.		12 944	13 009	12 512	12 469	11 887	11 831
Gross electricity generation	GWh	146 733	135 435	151 727	158 435	143 299	148 849
Final electricity consumption		131 279	129 443	130 361	132 373	130 806	132 860
<b>Socio-economic statistics</b>							
Population	1000 per.	8 909	8 941	8 976	9 011	9 048	9 113
Total imports (current prices)	Mio EUR	99 850	101 918	109 798	120 757	135 847	148 635
among which:							
All energy commodities		6 196	6 932	7 829	10 545	12 688	12 376
Oil products		5 215	5 659	6 571	9 182	10 759	10 692
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	5 731	5 646	5 864	5 736	5 564	5 548
Final energy consumption / capita		3 762	3 755	3 746	3 744	3 671	3 671
Household consumption / capita		823	825	796	810	774	738
Final electricity consumption / capita	kWh/cap.	14 735	14 478	14 524	14 690	14 457	14 579
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	38.0	43.8	37.3	37.6	37.8	36.1
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	65.6	66.5	63.9	65.3	66.0	66.2
Efficiency of thermal power stations		87.1	80.1	85.1	83.9	84.4	86.9

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	SVERIGE					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	31 225	30 390	33 799	34 166	32 275	33 068
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	240	241	267	211	185	153
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	17 569	17 390	19 988	18 670	17 277	17 275
Hydro-electricity	5 706	4 604	5 170	6 260	5 307	5 689
Biomass	7 653	8 093	8 297	8 938	9 415	9 819
<b>Imports</b>						
Total	30 514	33 941	32 955	32 602	32 015	30 824
<i>among which:</i> Hard coal	1 911	2 202	2 197	2 218	2 125	2 214
Crude oil and feedstocks	18 751	20 637	21 095	20 611	19 859	18 504
Petroleum products	6 741	7 687	6 973	7 312	7 407	7 517
Natural Gas	891	888	884	843	882	911
Electricity	1 729	2 088	1 345	1 253	1 508	1 380
<b>Exports</b>						
Total	10 641	11 106	12 605	12 423	12 217	11 848
<i>among which:</i> Crude oil and feedstocks	406	234	261	540	550	638
Petroleum products	8 953	9 842	10 788	9 967	10 657	9 922
Natural gas	-	-	-	-	-	-
Electricity	1 269	985	1 526	1 889	989	1 267
<b>Gross inland consumption</b>						
Total	51 055	50 483	52 629	51 689	50 341	50 564
<i>among which:</i> Solid fuels	2 846	2 678	2 944	2 629	2 691	2 656
Crude oil and petrol. prod.	15 822	15 612	15 427	14 858	14 099	13 939
Natural gas	891	888	884	843	882	911
Nuclear Energy	17 569	17 390	19 988	18 670	17 277	17 275
Renewables	13 415	12 759	13 544	15 285	14 813	15 639
<b>Transformation input</b>						
Total	44 623	45 505	49 020	47 076	46 336	43 859
<i>among which:</i> Crude oil and feedstocks	20 001	20 446	21 496	20 789	21 000	18 872
Petroleum products	825	940	656	513	564	387
Hard coal	1 627	1 704	1 672	1 596	1 964	1 694
Lignite and peat	327	328	383	293	236	237
Renewables	3 195	3 638	3 802	4 212	4 353	4 496
<b>Transformation output</b>						
Total	31 070	31 886	33 792	33 166	32 737	30 653
<i>among which:</i> Electricity	6 856	6 978	7 799	7 276	6 928	6 985
Heat	4 146	4 199	4 242	4 325	4 333	4 239



<i>in 1 000 toe</i>	<b>SVERIGE</b>					
	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Final energy consumption</b>						
Total	33 513	33 576	33 624	33 740	33 218	33 455
<i>among which:</i> Solid fuels	1 310	1 337	1 426	1 345	1 202	1 296
Petroleum products	11 740	11 842	11 626	11 342	10 657	10 547
Natural Gas	459	497	519	509	628	542
Renewables	4 462	4 460	4 500	4 732	5 068	5 332
Electricity	11 288	11 130	11 209	11 382	11 247	11 424
<b>Final energy consumption by sector</b>						
<b>Industry</b>						
Total	12 545	12 373	12 694	12 664	12 761	12 828
<i>among which:</i> Solid fuels	1 310	1 337	1 426	1 345	1 202	1 296
Petroleum Products	1 842	1 795	1 948	1 878	1 657	1 519
Natural Gas	316	332	353	338	455	360
Renewables	3 550	3 489	3 423	3 551	3 925	4 082
Electricity	4 925	4 824	4 918	4 949	4 931	4 986
<b>Transport</b>						
Total	8 024	8 195	8 418	8 608	8 569	8 796
<i>among which:</i> Motor spirit	4 300	4 318	4 143	4 063	3 936	3 897
Diesel oil	2 666	2 774	2 952	3 132	3 253	3 360
Jet fuel	721	700	843	846	866	936
Electricity	247	244	257	328	248	252
<b>Services&amp;households</b>						
Total	12 944	13 009	12 512	12 469	11 887	11 831
<i>among which:</i> Solid fuels	-	-	-	-	-	-
Gas oil	2 074	2 028	1 564	1 269	834	755
Natural Gas	131	147	151	156	150	158
Renewables	875	894	935	1 029	952	966
Electricity	6 117	6 062	6 034	6 105	6 069	6 186
Heat	3 621	3 682	3 686	3 794	3 792	3 711

### 3.1 Electricity balance

	SVERIGE						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		146 733	135 435	151 727	158 435	143 299	148 849
<i>among which:</i>							
Hydro		66 395	53 598	60 178	72 874	61 738	66 188
Wind		608	679	850	936	987	1 430
Geothermal		-	-	-	-	-	-
Nuclear		68 111	67 415	77 486	72 377	66 977	66 969
Conventional thermal		11 619	13 743	13 213	12 248	13 597	14 262
<i>of which:</i>							
Hard coal		2 357	2 846	1 010	648	879	653
Lignite and peat		-	-	-	-	-	-
Petroleum products		3 089	3 871	1 955	1 379	1 669	1 079
Natural gas		563	700	749	559	582	781
Derived gases		1 106	1 319	811	757	658	702
Biomass		4 327	5 007	7 943	8 301	9 211	10 578
Industrial wastes		177	-	745	604	598	469
Total net generation		143 233	132 535	148 529	154 610	140 372	145 130
<b>Imports and exports</b>							
Total imports		20 110	24 287	15 646	14 576	17 537	16 052
Total exports		14 754	11 457	17 750	21 968	11 497	14 736
<b>Consumption and losses</b>							
Consumption of the energy branch		8 892	8 063	8 274	6 897	7 485	8 290
<i>of which:</i>							
Consumption for pumped-storage		16	25	23	27	7	12
Network losses		11 883	10 701	10 933	11 707	11 032	10 765
Final energy consumption		131 279	129 443	130 361	132 373	130 806	132 860
<i>of which:</i>							
Industry		57 273	56 107	57 194	57 558	57 342	57 983
<i>among which:</i>							
Iron&steel industry		4 873	4 850	4 947	5 356	5 287	5 218
Non-ferrous metals		2 972	2 943	3 002	3 268	3 225	3 275
Chemical industry		5 560	6 663	6 796	6 635	6 353	6 137
Non-met. mineral prod.		1 177	1 133	1 156	1 045	1 052	1 135
Food, drink, tobacco		2 683	2 470	2 519	2 433	2 437	2 464
Pulp, paper and print		22 729	22 590	23 042	23 104	24 186	24 766
Engineering & metal		4 403	4 173	4 257	4 355	4 323	4 248
Other industries		9 929	8 379	8 511	8 592	7 676	7 963
Transport		2 867	2 838	2 989	3 816	2 885	2 929
Services & households etc.		71 139	70 498	70 178	70 999	70 579	71 948
<i>among which:</i>							
Households		41 473	41 998	41 375	42 663	41 490	39 638

## 3.2 Electrical capacity, fuel inputs and heat

		SVERIGE					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	32 503	33 361	33 649	33 733	34 122	34 294
<b>by source:</b>							
Conventional thermal		6 462	7 378	7 424	7 424	7 882	7 873
<i>of which:</i>							
Steam		4 749	5 669	5 553	5 553	5 706	5 782
Gas turbine		1 519	1 515	1 681	1 681	1 755	1 602
Combined cycle		88	88	111	111	336	401
Internal combustion		106	106	79	79	85	88
Nuclear		9 452	9 441	9 471	9 471	9 454	9 074
Hydro		16 232	16 143	16 302	16 345	16 270	16 637
<i>among which:</i>							
Pumped storage		45	45	36	43	36	45
Wind		357	399	452	493	516	710
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		31 421	32 340	32 662	32 708	33 027	33 095
Autoproducers		1 085	1 024	987	987	1 100	1 200
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	3 863	4 557	4 507	4 458	4 541	4 461
<i>among which:</i>							
Hard coal		390	459	389	272	376	269
Lignite and peat		195	227	266	221	179	146
Petroleum products		544	658	458	317	362	226
Natural gas		262	281	246	198	197	279
Renewables		2 162	2 623	2 840	3 123	3 112	3 304
Heating plants		1 451	1 382	1 258	1 328	1 464	1 401
<i>among which:</i>							
Hard coal		1	1	1	-	-	-
Lignite and peat		132	101	117	72	57	91
Petroleum products		209	215	146	129	141	103
Natural gas		71	50	30	28	23	7
Renewables		1 034	1 015	961	1 089	1 241	1 191
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	4 146	4 199	4 242	4 325	4 333	4 239
<i>among which: in heating plants</i>							
		1 779	1 730	1 540	1 636	1 669	1 589
Heat consumption		4 012	4 063	4 091	4 174	4 180	4 093
<i>of which: in industry</i>							
		391	381	405	380	388	383
<i>in households and services</i>							
		3 621	3 682	3 686	3 794	3 792	3 711
<i>among which: in households</i>							
		2 371	2 408	2 440	2 513	2 528	2 508

## 4.1 Crude oil and feedstocks

	SVERIGE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	18 727	20 502	20 975	20 518	19 756	18 421
Total exports	400	231	257	532	542	629
Stock changes	396	-423	21	-178	542	10
Refinery intake	19 968	20 312	21 374	20 698	20 894	18 788
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	3 231	3 968	2 594	1 824	1 389	1 483
Near and Middle East	1 979	3 151	1 711	574	289	288
Africa	237	-	-	126	-	-
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	-	-	-	-	-	-
Iran	1 979	3 151	1 711	574	289	288
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	43	-	-	-	-	-
Mexico	-	-	-	-	-	-
Nigeria	130	-	-	126	-	-
Norway	6 169	7 650	5 418	5 022	4 923	4 801
Russia	3 723	3 930	5 438	7 139	7 033	5 977
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	SVERIGE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	18 542	18 990	19 925	19 800	19 861	17 903
<i>among which:</i>						
Motor spirit	3 987	4 309	4 506	4 045	4 182	3 679
Kerosene and jet fuel	57	109	208	70	179	196
Naphtha	1 027	664	295	263	239	237
Gas/diesel oil	6 964	6 942	7 238	6 951	7 204	6 414
Residual fuel oil	5 069	5 170	5 450	5 576	5 226	4 246
Total imports	6 475	7 417	6 690	7 038	7 120	7 248
Total exports	8 902	9 774	10 687	9 918	10 603	9 874
Bunkers	1 239	1 660	1 954	1 995	2 144	2 134
Stock changes	463	-610	276	-468	-435	498
Gross inland consumption	-3 203	-4 627	-5 675	-5 343	-6 062	-4 262
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	6	61	40	66	82	101
United Kingdom	559	778	387	464	305	225
Norway	2 076	2 426	2 378	2 441	2 478	2 559
OPEC	115	102	52	122	165	129
Imports by product						
<i>among which:</i>						
Motor spirit	1 717	1 753	1 804	1 792	1 739	1 857
Kerosene and jet fuel	518	596	784	821	840	809
Gas/diesel oil	1 909	2 311	1 895	1 867	1 835	1 839
Residual fuel oil	544	759	329	539	637	920
Exports by product						
<i>among which:</i>						
Motor spirit	1 607	1 963	2 360	1 916	2 198	1 915
Kerosene and jet fuel	17	15	69	13	16	19
Gas/diesel oil	3 574	3 810	4 290	3 807	4 154	3 871
Residual fuel oil	2 617	2 860	2 937	3 015	3 206	3 054
<b>Consumption</b>						
Inputs to electricity plants	560	678	470	328	377	234
Inputs to heating plants	212	218	148	131	142	103
Non-energy use	2 202	1 961	1 979	2 145	2 262	2 293
Final energy consumption	11 413	11 529	11 320	11 036	10 375	10 258
Industry						
<i>among which by product:</i>						
Gas/diesel oil	270	267	405	400	377	346
Residual fuel oil	875	955	984	914	902	787

	SVERIGE						
	in 1 000 t	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		325	327	338	334	330	329
Non-ferrous metals		16	21	16	18	18	16
Chemical industry		345	240	295	288	110	118
Non-met. mineral prod.		163	148	145	162	163	154
Food, drink, tobacco		158	181	165	135	105	95
Pulp, paper and print		497	548	548	509	527	412
Engineering & metal		155	168	188	179	170	153
Other industries		79	68	159	160	158	152
Transport		7 458	7 585	7 733	7 842	7 840	7 967
<i>among which:</i>							
Motor spirit		4 092	4 109	3 942	3 866	3 745	3 708
Jet fuel		702	682	821	824	843	911
Diesel oil		2 620	2 726	2 901	3 078	3 197	3 302
Services & households etc.		2 130	2 157	1 648	1 329	880	779
<i>among which:</i>							
Gas oil		2 038	1 993	1 537	1 247	820	742
Residual fuel oil		46	124	74	43	48	27
<b>Stocks at end of period</b>							
Crude oil and feedstocks		1 269	1 692	1 671	1 849	1 307	1 297
Petroleum products		3 296	3 746	3 440	3 908	4 343	3 845

## 5. Natural gas

<i>in TJ (GCV)</i>	SVERIGE					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	41 439	41 322	41 142	39 199	41 024	42 358
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	41 439	41 322	41 142	39 199	41 024	42 358
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	12 204	13 077	11 434	9 193	9 145	12 973
Inputs to heat plants	3 294	2 330	1 374	1 321	1 063	315
Consumption of energy branch	183	159	188	63	181	25
Distribution losses	-	-	-	-	-	-
Non-energy use	-	-	-	-	-	-
Industry	14 703	15 448	16 414	15 743	21 165	16 752
<i>among which:</i>						
Iron&steel industry	1 135	1 009	1 177	1 261	2 649	1 472
Non-ferrous metals	294	252	294	294	210	420
Chemical industry	3 364	3 280	5 340	6 013	8 241	7 106
Non-met. mineral prod.	2 186	2 102	1 640	799	1 556	1 177
Food, drink, tobacco	4 877	4 793	4 120	4 247	5 550	3 784
Pulp, paper and print	1 430	2 313	1 514	1 261	1 345	799
Engineering & metal	855	883	1 388	1 052	588	1 010
Other industries	478	606	731	648	900	774
Transport	560	813	717	715	1 051	1 085
Services & households etc.	6 096	6 856	7 019	7 234	6 984	7 357
<i>among which:</i>						
Households	2 194	1 814	1 985	2 127	1 525	1 889
Services	2 912	4 012	4 001	4 077	4 408	4 383

## 6.1 Hard coal

<i>in 1 000 t</i>	SVERIGE					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	2 760	3 195	3 186	3 203	3 052	3 180
Total exports	2	2	8	3	2	2
Stock changes	263	-270	151	-130	185	14
Gross inland consumption	3 021	2 923	3 329	3 070	3 235	3 192
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	1 085	1 208	1 472	1 370	1 357	1 316
Colombia	83	-	-	-	-	-
Russia	250	174	458	847	762	707
South Africa	-	-	-	-	-	-
USA	319	346	428	492	357	423
<b>Consumption</b>						
Inputs to electricity plants	588	691	601	424	564	403
Inputs to heat plants	1	2	1	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	507	491	567	526	514	553
Non-ferrous metals	58	52	50	51	49	52
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	240	197	254	246	259	248
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	15	11	25	35	35	29
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-



## 6.2 Coal derivatives and peat

		SVERIGE					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 074	1 288	1 372	1 411	1 188	1 194
Patent Fuel		-	-	-	-	-	-
Lignite and peat		804	806	893	708	621	514
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		9 467	8 414	9 745	9 340	10 147	9 702
Blast-furnace gas		17 807	17 262	18 153	18 256	16 734	15 064
Gasworks gas		1 914	1 962	2 030	2 028	1 766	1 161
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 038	1 118	1 116	1 036	824	943
<i>among which:</i>							
Iron & steel industry		969	1 055	1 053	971	757	878
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		26	39	34	23	29	33
<i>among which:</i>							
Industry		26	39	34	23	29	33
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	2	2	5	3	-
<i>among which:</i>							
Industry		-	2	2	5	3	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		4 382	3 914	4 399	4 082	4 426	4 478
Blast-furnace gas		4 702	5 262	5 039	5 509	4 443	4 439
Gasworks gas		1 676	1 734	1 739	1 665	1 550	860
Inputs to electricity plants		10 966	10 796	11 967	12 339	10 793	8 725
Inputs to heat plants		177	12	131	159	97	412
Consumption of energy branch		4 390	4 302	4 763	4 511	5 039	4 737
Consumption in industry		9 261	9 350	9 741	9 731	8 969	8 926

## 7. Renewable energy sources

		SVERIGE					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	13 415	12 759	13 544	15 285	14 813	15 639
Hydro (excl. pumping)		5 706	4 604	5 170	6 260	5 307	5 689
Wind		52	58	73	80	85	123
Solar		4	5	5	6	6	9
Geothermal		-	-	-	-	-	-
Biomass		7 653	8 093	8 297	8 938	9 415	9 819
	<i>among which:</i>						
Wood, wood-waste		7 105	7 379	7 467	7 937	8 332	8 441
Municipal solid waste		480	602	635	736	765	923
Biogas		31	36	35	30	27	48
Gross inland consumption		13 415	12 759	13 544	15 285	14 813	15 639
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		3 195	3 638	3 802	4 212	4 353	4 496
	<i>among which:</i>						
Wood, wood-waste		2 684	3 001	3 114	3 363	3 461	3 402
Municipal waste		480	602	635	736	765	923
Biogas		31	36	35	30	27	48
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	4 462	4 460	4 500	4 732	5 068	5 332
	<i>by sector:</i>						
Industry		3 550	3 489	3 423	3 551	3 925	4 082
Services & households etc.		875	894	935	1 029	952	966
Transport		37	76	142	152	192	285
	<i>by source:</i>						
Biomass		4 457	4 455	4 495	4 726	5 063	5 323
	<i>among which:</i>						
Wood, wood-waste		4 421	4 379	4 353	4 574	4 871	5 039
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		517	547	506	458	490	614
Hydro with installed capacity > 1 & <10 MW		2 636	2 133	3 003	3 027	2 928	3 175
Hydro with installed capacity > 10 MW		63 204	50 343	56 613	69 318	58 303	62 370
Wood, Wood-waste		4 023	5 220	6 614	6 874	7 503	8 496
Municipal waste		277	312	1 233	1 309	1 419	1 851
Biogas		27	36	62	53	46	64

		SVERIGE					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		3	3	3	5	5	1
Hydro with installed capacity < 1 MW		162	173	99	140	138	163
Hydro with installed capacity > 1 & <10 MW		774	772	724	765	760	797
Hydro with installed capacity > 10 MW		15 251	15 153	15 479	15 397	15 327	15 632
Wood, Wood-waste		1 670	1 670	1 670	2 526	3 202	2 570
Municipal waste		170	170	264	291	657	414
Biogas		20	20	20	42	24	24
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	49	103	215	311	397	544
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	165	185	276	371	409	440



## 2. Energy balance

### Principal aggregates by product

	UNITED KINGDOM					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	254 905	243 171	223 166	202 328	183 826	173 564
<i>among which:</i> Hard coal	17 547	16 490	15 300	11 882	10 421	9 757
Lignite and peat	-	-	-	-	-	-
Crude oil	118 505	108 300	97 314	86 393	77 986	78 269
Natural Gas	93 408	92 634	86 770	79 397	72 008	64 912
Nuclear heat	22 661	22 877	20 636	21 054	19 463	16 258
Hydro-electricity	412	277	416	423	395	438
Biomass	2 247	2 462	2 538	2 899	3 153	3 430
<b>Imports</b>						
Total	96 810	99 779	117 167	125 415	139 749	137 181
<i>among which:</i> Hard coal	17 909	19 910	22 463	27 303	31 032	26 737
Crude oil and feedstocks	58 192	55 281	63 754	60 012	60 510	58 141
Petroleum products	15 062	16 692	18 746	22 686	27 278	24 285
Natural Gas	4 681	6 678	10 295	13 416	18 884	26 158
Electricity	790	440	841	960	884	741
<b>Exports</b>						
Total	125 050	114 361	106 088	93 262	90 376	92 182
<i>among which:</i> Crude oil and feedstocks	89 054	76 456	65 809	55 155	51 110	51 942
Petroleum products	23 624	23 437	30 694	29 952	29 181	29 738
Natural gas	11 665	13 700	8 831	7 443	9 332	9 531
Electricity	66	254	197	244	238	292
<b>Gross inland consumption</b>						
Total	226 832	231 157	232 527	232 750	229 141	221 092
<i>among which:</i> Solid fuels	35 753	38 831	38 347	38 164	41 091	38 711
Crude oil and petrol. prod.	78 591	79 926	81 294	82 974	82 259	78 711
Natural gas	85 855	85 882	87 752	85 473	81 062	81 964
Nuclear Energy	22 661	22 877	20 636	21 054	19 463	16 258
Renewables	2 787	2 978	3 499	4 017	4 320	4 647
<b>Transformation input</b>						
Total	174 416	177 340	180 457	177 475	173 126	168 136
<i>among which:</i> Crude oil and feedstocks	86 746	86 448	91 734	87 812	84 722	82 618
Petroleum products	688	799	686	732	658	493
Hard coal	33 069	35 707	34 356	35 225	37 072	34 339
Lignite and peat	-	-	-	-	-	-
Renewables	1 702	1 993	2 313	2 690	2 778	2 734
<b>Transformation output</b>						
Total	125 745	127 208	131 162	127 400	124 291	122 145
<i>among which:</i> Electricity	32 549	33 616	33 056	33 328	33 120	32 839
Heat	2 090	1 813	1 274	1 366	1 305	1 190

		UNITED KINGDOM					
<i>in 1 000 toe</i>		2002	2003	2004	2005	2006	2007
<b>Final energy consumption</b>							
Total		148 956	150 779	151 937	152 331	150 435	147 933
<i>among which:</i>	Solid fuels	4 821	4 968	4 690	4 418	4 512	4 620
	Petroleum products	62 422	62 916	64 315	65 915	66 275	65 735
	Natural Gas	49 711	51 031	51 372	49 751	47 345	45 395
	Renewables	565	596	603	653	784	1 021
	Electricity	28 667	28 910	29 144	29 792	29 639	29 403
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		34 877	35 580	34 136	34 423	33 609	32 740
<i>among which:</i>	Solid fuels	3 645	4 004	3 891	3 817	3 961	4 046
	Petroleum Products	6 552	7 050	6 767	7 022	6 763	6 498
	Natural Gas	12 782	12 863	11 914	11 716	11 129	10 587
	Renewables	206	217	216	140	139	165
	Electricity	9 686	9 747	9 960	10 363	10 172	10 123
<b>Transport</b>							
Total		52 042	52 665	53 912	55 206	55 947	56 210
<i>among which:</i>	Motor spirit	21 919	20 980	20 527	19 739	19 116	18 521
	Diesel oil	18 443	19 736	20 337	21 359	22 369	23 009
	Jet fuel	10 816	11 067	11 927	12 810	12 956	12 950
	Electricity	727	706	728	758	706	710
<b>Services&amp;households</b>							
Total		62 037	62 533	63 889	62 702	60 880	58 982
<i>among which:</i>	Solid fuels	1 176	964	799	600	551	575
	Gas oil	1 627	964	1 237	1 530	1 349	1 333
	Natural Gas	36 929	38 168	39 458	38 035	36 215	34 808
	Renewables	356	365	371	445	466	510
	Electricity	18 255	18 456	18 456	18 671	18 761	18 570
	Heat	763	659	425	438	436	437

### 3.1 Electricity balance

	UNITED KINGDOM						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		387 247	398 207	393 867	398 360	397 854	396 143
<i>among which:</i>							
Hydro		7 439	5 961	7 492	7 852	8 446	8 948
Wind		1 256	1 285	1 935	2 904	4 225	5 274
Geothermal		-	-	-	-	-	-
Nuclear		87 848	88 686	79 999	81 618	75 451	63 028
Conventional thermal		290 700	302 272	304 437	305 978	309 722	318 882
<i>of which:</i>							
Hard coal		124 279	138 305	131 788	134 637	149 347	136 686
Lignite and peat		-	-	-	-	-	-
Petroleum products		4 799	4 594	4 644	5 339	5 733	4 692
Natural gas		152 276	148 881	157 065	152 641	141 225	164 474
Derived gases		1 402	1 537	1 480	1 654	1 764	1 635
Biomass		5 285	6 692	7 878	9 646	9 946	9 999
Industrial wastes		2 659	2 263	1 582	2 061	1 707	1 396
Total net generation		370 117	380 069	376 833	380 480	379 305	378 452
<b>Imports and exports</b>							
Total imports		9 182	5 119	9 784	11 160	10 282	8 613
Total exports		768	2 959	2 294	2 839	2 765	3 398
<b>Consumption and losses</b>							
Consumption of the energy branch		28 646	29 345	26 644	27 175	28 154	27 548
<i>of which:</i>							
Consumption for pumped-storage		812	812	848	777	1 065	1 212
Network losses		30 963	32 070	33 116	30 101	28 676	28 003
Final energy consumption		333 402	336 218	338 950	346 484	344 701	341 957
<i>of which:</i>							
Industry		112 648	113 358	115 840	120 525	118 298	117 733
<i>among which:</i>							
Iron&steel industry		5 092	5 434	5 412	5 020	5 860	4 924
Non-ferrous metals		6 365	7 284	7 518	7 693	7 682	7 827
Chemical industry		22 861	20 941	21 128	24 125	22 909	21 266
Non-met. mineral prod.		7 115	7 651	7 835	7 978	7 963	8 204
Food, drink, tobacco		12 166	11 949	12 348	12 773	12 318	12 308
Pulp, paper and print		11 988	12 750	13 671	13 725	13 421	13 703
Engineering & metal		20 299	20 519	21 001	21 894	21 663	21 928
Other industries		23 299	23 387	23 520	23 924	23 100	24 224
Transport		8 454	8 212	8 463	8 816	8 211	8 254
Services & households etc.		212 300	214 648	214 647	217 143	218 192	215 970
<i>among which:</i>							
Households		114 534	115 761	115 526	116 811	116 449	115 051

### 3.2 Electrical capacity, fuel inputs and heat

		UNITED KINGDOM					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	77 009	78 717	80 204	80 802	81 732	81 998
<b>by source:</b>							
Conventional thermal		59 981	61 903	63 132	63 096	64 568	64 273
<i>of which:</i>							
Steam		32 586	32 016	32 402	32 611	33 852	33 972
Gas turbine		2 557	2 988	1 962	1 672	1 705	1 621
Combined cycle		23 655	25 504	25 751	26 445	27 005	26 972
Internal combustion		166	174	164	163	155	152
Nuclear		12 240	11 852	11 852	11 852	10 969	10 979
Hydro		4 254	4 220	4 287	4 289	4 240	4 269
<i>among which:</i>							
Pumped storage		2 788	2 788	2 788	2 788	2 726	2 744
Wind		534	742	933	1 565	1 955	2 477
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		70 369	71 465	73 373	74 011	75 063	75 256
Autoproducers		6 645	7 259	6 840	6 803	6 684	6 757
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	56 958	60 194	60 423	61 052	61 176	61 613
<i>among which:</i>							
Hard coal		28 240	31 034	29 845	30 904	32 530	29 813
Lignite and peat		-	-	-	-	-	-
Petroleum products		448	653	627	677	601	438
Natural gas		25 526	25 118	26 375	25 457	24 020	27 357
Renewables		1 702	1 993	2 313	2 690	2 778	2 734
Heating plants		2 541	2 160	2 078	2 117	2 085	1 960
<i>among which:</i>							
Hard coal		446	370	281	273	276	275
Lignite and peat		-	-	-	-	-	-
Petroleum products		240	145	59	56	57	55
Natural gas		1 703	1 535	1 690	1 740	1 704	1 582
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	2 090	1 813	1 274	1 366	1 305	1 190
<i>among which: in heating plants</i>							
		2 090	1 813	1 274	1 366	1 305	1 190
Heat consumption		2 084	1 810	1 258	1 268	1 245	1 130
<i>of which: in industry</i>							
		1 321	1 152	832	831	809	693
<i>in households and services</i>							
		763	659	425	438	436	437
<i>among which: in households</i>							
		33	11	52	52	52	52



## 4.1 Crude oil and feedstocks

	UNITED KINGDOM						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		115 944	106 073	95 374	84 722	76 578	76 832
Total imports		56 968	54 177	62 517	58 882	59 444	57 099
Total exports		87 144	74 898	64 503	54 098	50 196	51 000
Stock changes		144	1 125	-134	-384	-354	784
Refinery intake		84 909	84 706	89 938	86 136	83 213	81 118
<b>Imports of Crude Oil by origin</b>							
<i>by region of origin:</i>							
OPEC		4 490	4 994	4 479	5 338	5 433	5 627
Near and Middle East		2 991	2 751	1 603	2 113	738	164
Africa		1 283	1 334	4 170	3 539	3 995	5 061
<i>by country of origin:</i>							
Algeria		1 027	1 072	1 471	1 619	1 827	2 191
Irak		-	-	-	-	-	-
Iran		-	-	-	-	-	-
Kazakhstan		-	-	-	-	-	639
Kuwait		-	-	-	-	-	-
Libya		129	-	154	529	1 250	922
Mexico		788	583	322	442	340	268
Nigeria		-	130	248	324	422	1 038
Norway		29 493	32 578	39 771	37 373	31 798	32 511
Russia		3 520	4 355	7 457	5 051	8 933	6 057
Saudi Arabia		2 041	2 668	1 357	1 313	197	-
Syria		950	83	161	713	325	164
United Arab Emirates		-	-	-	87	216	-

## 4.2 Petroleum products

	UNITED KINGDOM					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	83 998	84 529	89 826	85 763	82 841	81 210
<i>among which:</i>						
Motor spirit	22 972	22 653	24 620	22 652	21 468	21 313
Kerosene and jet fuel	8 871	8 798	9 228	8 492	9 635	9 144
Naphtha	3 174	3 516	3 176	3 023	2 734	2 561
Gas/diesel oil	28 393	27 579	28 839	28 691	26 080	26 397
Residual fuel oil	10 551	11 517	12 988	11 728	12 277	11 809
Total imports	14 900	16 473	18 543	22 373	26 824	23 837
Total exports	23 444	23 316	30 494	29 723	29 007	29 491
Bunkers	1 913	1 764	2 085	2 053	2 348	2 372
Stock changes	1 132	37	-289	1 046	-841	989
Gross inland consumption	-9 325	-8 570	-13 936	-8 037	-5 069	-6 828
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	533	532	1 023	2 788	4 354	3 495
United Kingdom	-	-	-	-	-	-
Norway	164	434	1 429	2 131	1 141	458
OPEC	2 694	3 147	6 679	5 273	4 893	5 271
Imports by product						
<i>among which:</i>						
Motor spirit	2 316	2 034	2 194	2 389	3 805	3 286
Kerosene and jet fuel	6 999	7 673	8 018	9 490	8 653	8 159
Gas/diesel oil	3 219	3 503	4 216	4 922	8 063	8 250
Residual fuel oil	558	394	612	1 527	1 332	1 130
Exports by product						
<i>among which:</i>						
Motor spirit	5 538	5 608	7 342	6 589	7 001	7 338
Kerosene and jet fuel	990	1 143	1 396	1 678	1 309	1 501
Gas/diesel oil	6 352	5 528	6 623	6 315	5 819	6 533
Residual fuel oil	5 780	6 385	8 936	8 452	8 368	7 739
<b>Consumption</b>						
Inputs to electricity plants	467	682	652	704	624	457
Inputs to heating plants	250	151	61	58	59	57
Non-energy use	9 675	10 413	10 583	10 286	9 850	7 826
Final energy consumption	60 505	61 001	62 405	63 986	64 363	63 865
Industry						
<i>among which by product:</i>						
Gas/diesel oil	3 458	3 542	3 008	3 433	3 047	2 956
Residual fuel oil	994	1 126	1 273	1 055	1 078	1 037

	UNITED KINGDOM						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		264	247	330	283	249	220
Non-ferrous metals		75	45	50	50	50	45
Chemical industry		314	374	189	183	181	181
Non-met. mineral prod.		239	223	186	198	184	181
Food, drink, tobacco		238	206	319	298	261	248
Pulp, paper and print		74	53	55	80	56	61
Engineering & metal		430	267	245	273	251	249
Other industries		4 280	5 218	5 198	5 412	5 268	5 067
Transport		49 642	50 290	51 511	52 723	53 420	53 535
<i>among which:</i>							
Motor spirit		20 857	19 963	19 532	18 783	18 190	17 624
Jet fuel		10 531	10 776	11 613	12 473	12 615	12 609
Diesel oil		18 126	19 397	19 988	20 992	21 985	22 614
Services & households etc.		4 434	3 805	4 254	4 386	4 324	3 970
<i>among which:</i>							
Gas oil		1 599	947	1 216	1 504	1 326	1 310
Residual fuel oil		140	142	130	101	114	117
<b>Stocks at end of period</b>							
Crude oil and feedstocks		7 389	6 234	6 368	6 752	7 106	6 322
Petroleum products		6 833	6 796	7 085	6 039	6 880	5 891

## 5. Natural gas

	UNITED KINGDOM						
	<i>in TJ (GCV)</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		4 345 335	4 309 312	4 036 525	3 693 564	3 349 811	3 019 712
Total imports		217 769	310 675	478 926	624 135	878 505	1 216 892
Total exports		542 634	637 337	410 803	346 260	434 129	443 373
Stock changes		-26 482	12 571	-22 446	4 756	-23 166	19 728
Gross inland consumption		3 993 988	3 995 221	4 082 202	3 976 195	3 771 021	3 812 959
<b>Imports</b>							
Imports by origin							
<i>among which:</i>							
Algeria		-	-	-	16 570	74 584	23 778
Egypt		-	-	-	-	44 874	6 304
Libya		-	-	-	-	-	-
Nigeria		-	-	-	-	-	-
Norway		136 380	258 317	343 323	460 416	565 333	812 750
Oman		-	-	-	-	-	-
Qatar		-	-	-	-	2 804	9 695
Russia		-	-	-	-	-	-
<b>Consumption</b>							
Inputs to electricity plants		1 187 450	1 168 488	1 226 967	1 184 256	1 117 400	1 272 654
Inputs to heat plants		79 232	71 388	78 637	80 958	79 282	73 604
Consumption of energy branch		332 464	324 003	321 985	310 581	288 664	268 216
Distribution losses		30 869	18 444	26 043	39 471	43 242	43 445
Non-energy use		38 808	36 076	36 076	34 842	42 326	37 653
Industry		594 598	598 381	554 230	545 006	517 740	492 519
<i>among which:</i>							
Iron&steel industry		31 648	37 177	34 976	30 489	30 263	26 413
Non-ferrous metals		18 918	17 212	11 517	11 584	11 542	12 210
Chemical industry		159 397	162 173	151 205	147 861	137 686	134 031
Non-met. mineral prod.		50 890	50 778	48 244	47 877	44 288	40 365
Food, drink, tobacco		103 982	103 676	101 636	100 504	98 204	95 836
Pulp, paper and print		55 627	57 233	49 963	49 274	43 229	39 759
Engineering & metal		91 473	90 512	82 787	83 761	79 591	74 239
Other industries		54 450	51 176	48 270	47 986	49 046	46 699
Transport		-	-	-	-	-	-
Services & households etc.		1 717 938	1 775 588	1 835 590	1 769 400	1 684 739	1 619 271
<i>among which:</i>							
Households		1 354 939	1 391 350	1 427 079	1 382 432	1 313 462	1 259 793
Services		354 553	375 872	400 034	378 828	364 029	352 282

## 6.1 Hard coal

	UNITED KINGDOM					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	29 539	27 759	24 536	20 008	18 079	16 540
Total imports	28 686	31 891	36 153	43 968	50 529	43 365
Total exports	537	542	621	536	443	521
Stock changes	501	3 237	-60	-2 151	-1 262	3 014
Gross inland consumption	58 639	62 865	60 569	61 779	67 341	62 865
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	5 093	5 664	6 180	4 465	3 909	4 260
Colombia	3 556	3 411	3 635	3 292	3 798	3 853
Russia	4 374	5 387	9 932	17 528	22 972	20 892
South Africa	9 876	12 221	10 149	13 034	12 858	7 742
USA	1 566	1 154	2 065	1 509	2 108	2 523
<b>Consumption</b>						
Inputs to electricity plants	47 741	52 464	50 444	52 058	57 363	52 572
Inputs to heat plants	717	622	473	459	457	456
Consumption of energy branch	9	6	8	6	4	5
Industry						
<i>among which:</i>						
Iron&steel industry	726	882	895	1 039	1 121	1 243
Non-ferrous metals	24	13	12	41	60	36
Chemical industry	61	70	148	132	85	143
Non-met. mineral prod.	1 213	1 199	1 127	1 120	1 047	1 047
Food, drink, tobacco	45	50	38	26	25	41
Pulp, paper and print	119	128	141	142	141	144
Engineering & metal	82	86	98	72	70	64
Other industries	181	225	203	178	205	209
Services & households etc.	1 306	1 068	969	663	597	674

## 6.2 Coal derivatives and peat

		UNITED KINGDOM					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		4 559	4 601	4 335	4 364	4 629	4 477
Patent Fuel		431	392	318	258	260	227
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		34 752	34 740	32 818	33 633	35 576	35 035
Blast-furnace gas		47 268	56 844	56 772	58 316	59 196	60 123
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		3 056	3 342	3 154	2 957	3 205	3 142
<i>among which:</i>							
Iron & steel industry		2 624	3 069	2 989	2 842	3 083	3 039
Services & households		178	129	51	34	12	15
Patent Fuel		414	358	315	256	257	233
<i>among which:</i>							
Services & households		392	341	303	256	257	233
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		7 057	6 415	7 190	6 811	8 815	8 952
Blast-furnace gas		22 380	17 143	16 733	16 254	18 706	18 243
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		24 871	39 081	38 582	41 462	40 482	39 234
Inputs to heat plants		6 869	4 993	2 151	2 151	2 151	2 151
Consumption of energy branch		17 204	17 633	16 642	16 579	17 345	17 749
Consumption in industry		29 437	23 558	23 923	23 065	27 521	27 195

## 7. Renewable energy sources

		UNITED KINGDOM					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	2 784	2 871	3 146	3 602	3 949	4 368
Hydro (excl. pumping)		412	277	416	423	395	438
Wind		108	110	166	250	363	453
Solar		16	20	25	30	37	46
Geothermal		1	1	1	1	1	1
Biomass		2 247	2 462	2 538	2 899	3 153	3 430
	<i>among which:</i>						
Wood, wood-waste		705	723	591	830	791	784
Municipal solid waste		583	612	593	595	643	669
Biogas		960	1 128	1 353	1 466	1 494	1 592
Gross inland consumption		2 787	2 978	3 499	4 017	4 320	4 647
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		1 702	1 993	2 313	2 690	2 778	2 734
	<i>among which:</i>						
Wood, wood-waste		309	419	532	803	796	651
Municipal waste		494	506	487	482	541	550
Biogas		899	1 068	1 293	1 405	1 440	1 533
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	565	596	603	653	784	1 021
	<i>by sector:</i>						
Industry		206	217	216	140	139	165
Services & households etc.		356	365	371	445	466	510
Transport		3	14	16	68	179	346
	<i>by source:</i>						
Biomass		548	576	578	623	747	975
	<i>among which:</i>						
Wood, wood-waste		396	396	396	381	412	451
Municipal waste		88	106	106	113	102	120
Biogas		61	60	60	61	54	59
Geothermal		1	1	1	1	1	1
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		4	3	4	8	10	11
Hydro with installed capacity < 1 MW		20	14	28	44	48	53
Hydro with installed capacity > 1 & <10 MW		183	129	254	399	429	481
Hydro with installed capacity > 10 MW		4 585	3 085	4 561	4 478	4 487	4 554
Wood, Wood-waste		1 128	1 538	1 942	3 382	3 324	2 920
Municipal waste		1 452	1 544	1 554	1 542	1 734	1 885
Biogas		3 045	3 610	4 382	4 722	4 881	5 195

		UNITED KINGDOM					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		4	6	8	11	14	14
Hydro with installed capacity < 1 MW		33	33	52	56	61	63
Hydro with installed capacity > 1 & <10 MW		161	86	91	102	92	103
Hydro with installed capacity > 10 MW		1 396	1 367	1 356	1 343	1 361	1 359
Wood, Wood-waste		144	163	157	475	512	530
Municipal waste		203	217	223	234	237	237
Biogas		535	676	790	900	941	989
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	9	256	441
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	446	583	583	863	1 066	1 320



## 1. Energy economy Key figures and energy indicators

		UNITED KINGDOM					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	254 905	243 171	223 166	202 328	183 826	173 564
Net energy imports		-28 239	-14 583	11 079	32 152	49 373	44 999
Net oil imports		-39 424	-27 921	-14 003	-2 409	7 498	746
Net gas imports		-6 983	-7 022	1 464	5 973	9 552	16 628
Gross inland energy consumption		226 832	231 157	232 527	232 750	229 141	221 092
Final energy consumption		148 956	150 779	151 937	152 331	150 435	147 933
Industry		34 877	35 580	34 136	34 423	33 609	32 740
Transport		52 042	52 665	53 912	55 206	55 947	56 210
Services and households etc.		62 037	62 533	63 889	62 702	60 880	58 982
Gross electricity generation	GWh	387 247	398 207	393 867	398 360	397 854	396 143
Final electricity consumption		333 402	336 218	338 950	346 484	344 701	341 957
<b>Socio-economic statistics</b>							
Population	1000 per.	59 218	59 438	59 700	60 060	60 393	60 817
Total imports (current prices)	Mio EUR	490 767	457 625	495 308	546 566	615 475	609 852
among which:							
All energy commodities		15 139	16 083	23 814	34 205	43 272	42 927
Oil products		12 815	14 029	19 846	27 766	35 343	34 762
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 830	3 889	3 895	3 875	3 794	3 635
Final energy consumption / capita		2 515	2 537	2 545	2 536	2 491	2 432
Household consumption / capita		730	738	748	725	698	667
Final electricity consumption / capita	kWh/cap.	5 630	5 657	5 678	5 769	5 708	5 623
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	-12.3	-6.3	4.7	13.7	21.3	20.1
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	65.7	65.2	65.3	65.4	65.7	66.9
Efficiency of thermal power stations		43.9	43.2	43.3	43.1	43.5	44.5



## 1. Energy economy Key figures and energy indicators

		HRVATSKA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	3 693	3 732	3 856	3 783	4 130	4 035
Net energy imports		4 977	4 996	5 105	5 252	4 878	5 336
Net oil imports		3 494	3 359	3 459	3 627	3 560	3 882
Net gas imports		590	651	577	562	189	248
Gross inland energy consumption		8 260	8 845	8 861	8 934	8 962	9 351
Final energy consumption		5 601	5 960	6 146	6 325	6 437	6 455
Industry		1 393	1 442	1 558	1 576	1 636	1 654
Transport		1 647	1 775	1 828	1 910	2 028	2 173
Services and households etc.		2 561	2 743	2 761	2 840	2 773	2 628
Gross electricity generation	GWh	12 286	12 670	13 322	12 459	12 430	12 245
Final electricity consumption		12 654	12 922	13 646	14 355	15 023	15 323
<b>Socio-economic statistics</b>							
Population	1000 per.	4 445	4 443	4 442	4 444	4 443	4 441
Total imports (current prices)	Mio EUR	13 870	15 236	16 259	17 535	19 707	21 562
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	1 858	1 991	1 995	2 010	2 017	2 106
Final energy consumption / capita		1 260	1 341	1 384	1 423	1 449	1 453
Household consumption / capita		389	421	425	433	418	387
Final electricity consumption / capita	kWh/cap.	2 847	2 909	3 072	3 230	3 381	3 450
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	60.1	56.4	57.5	58.6	54.3	56.9
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	67.8	67.4	69.4	70.8	71.8	69.0
Efficiency of thermal power stations		47.5	49.0	50.6	50.8	50.2	47.8

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	HRVATSKA					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	3 693	3 732	3 856	3 783	4 130	4 035
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	1 204	1 143	1 083	1 017	985	935
Natural Gas	1 732	1 789	1 796	1 865	2 217	2 362
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	461	419	598	545	516	364
Biomass	296	381	379	355	412	366
<b>Imports</b>						
Total	6 978	7 097	7 625	7 846	7 778	8 182
<i>among which:</i> Hard coal	542	606	707	574	643	655
Crude oil and feedstocks	4 332	4 369	4 532	4 363	4 010	4 562
Petroleum products	832	760	1 022	1 181	1 441	1 382
Natural Gas	886	930	861	926	920	862
Electricity	338	385	456	752	715	672
<b>Exports</b>						
Total	2 001	2 101	2 519	2 594	2 900	2 846
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1 670	1 770	2 095	1 917	1 891	2 062
Natural gas	296	279	284	365	732	614
Electricity	35	50	140	312	231	125
<b>Gross inland consumption</b>						
Total	8 260	8 845	8 861	8 934	8 962	9 351
<i>among which:</i> Solid fuels	583	653	690	683	634	691
Crude oil and petrol. prod.	4 246	4 700	4 421	4 534	4 610	4 719
Natural gas	2 370	2 356	2 458	2 377	2 351	2 701
Nuclear Energy	-	-	-	-	-	-
Renewables	757	800	977	901	884	693
<b>Transformation input</b>						
Total	7 001	7 422	7 060	6 841	6 523	7 319
<i>among which:</i> Crude oil and feedstocks	5 205	5 483	5 435	5 245	4 920	5 382
Petroleum products	548	775	421	506	511	549
Hard coal	489	529	494	532	496	532
Lignite and peat	3	3	5	5	5	5
Renewables	-	-	1	3	2	2
<b>Transformation output</b>						
Total	6 052	6 433	6 251	6 056	5 719	6 331
<i>among which:</i> Electricity	589	665	539	517	541	672
Heat	289	313	307	318	284	279

		HRVATSKA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		5 601	5 960	6 146	6 325	6 437	6 455
<i>among which:</i>	Solid fuels	91	118	191	146	133	153
	Petroleum products	2 830	2 955	2 977	3 093	3 215	3 240
	Natural Gas	1 051	1 130	1 170	1 232	1 193	1 195
	Renewables	296	381	378	352	364	324
	Electricity	1 088	1 111	1 173	1 234	1 292	1 318
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		1 393	1 442	1 558	1 576	1 636	1 654
<i>among which:</i>	Solid fuels	80	103	181	135	124	148
	Petroleum Products	457	441	430	503	556	506
	Natural Gas	482	491	527	528	525	554
	Renewables	48	60	64	53	63	62
	Electricity	268	294	304	301	318	339
<b>Transport</b>							
Total		1 647	1 775	1 828	1 910	2 028	2 173
<i>among which:</i>	Motor spirit	781	778	743	730	731	745
	Diesel oil	752	883	964	1 036	1 133	1 241
	Jet fuel	71	70	80	96	99	103
	Electricity	22	23	23	24	24	25
<b>Services&amp;households</b>							
Total		2 561	2 743	2 761	2 840	2 773	2 628
<i>among which:</i>	Solid fuels	12	15	9	11	9	5
	Gas oil	630	645	631	590	543	482
	Natural Gas	569	640	643	704	668	641
	Renewables	248	321	314	299	301	260
	Electricity	797	795	847	910	950	953
	Heat	180	202	198	204	182	174

### 3.1 Electricity balance

	HRVATSKA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		12 286	12 670	13 322	12 459	12 430	12 245
<i>among which:</i>							
Hydro		5 432	4 936	7 051	6 438	6 124	4 400
Wind		-	-	2	10	19	35
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		6 854	7 734	6 269	6 011	6 287	7 810
<i>of which:</i>							
Hard coal		2 096	2 393	2 120	2 310	2 234	2 401
Lignite and peat		13	10	19	18	23	22
Petroleum products		2 218	3 158	1 667	1 855	1 961	2 315
Natural gas		2 527	2 173	2 459	1 814	2 058	3 064
Derived gases		-	-	-	-	-	-
Biomass		-	-	4	14	11	7
Industrial wastes		-	-	-	-	-	1
Total net generation		11 750	12 115	12 822	11 995	11 953	11 703
<b>Imports and exports</b>							
Total imports		3 927	4 479	5 298	8 746	8 313	7 812
Total exports		406	586	1 633	3 634	2 691	1 451
<b>Consumption and losses</b>							
Consumption of the energy branch		1 009	1 038	1 024	980	996	1 093
<i>of which:</i>							
Consumption for pumped-storage		28	26	40	44	53	70
Network losses		2 077	2 543	2 224	2 131	1 909	2 026
Final energy consumption		12 654	12 922	13 646	14 355	15 023	15 323
<i>of which:</i>							
Industry		3 121	3 414	3 530	3 498	3 701	3 942
<i>among which:</i>							
Iron&steel industry		122	137	188	180	206	203
Non-ferrous metals		92	80	80	93	91	96
Chemical industry		494	528	469	474	477	592
Non-met. mineral prod.		621	698	654	685	722	733
Food, drink, tobacco		454	527	583	530	566	588
Pulp, paper and print		307	321	291	312	326	332
Engineering & metal		356	379	410	423	452	504
Other industries		470	543	619	575	631	665
Transport		261	267	263	275	279	295
Services & households etc.		9 272	9 241	9 853	10 582	11 043	11 086
<i>among which:</i>							
Households		5 954	5 694	6 072	6 333	6 520	6 392

## 3.2 Electrical capacity, fuel inputs and heat

		HRVATSKA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	<i>MW</i>	3 931	3 919	3 937	3 866	3 879	3 906
<b>by source:</b>							
Conventional thermal		1 865	1 843	1 854	1 800	1 802	1 814
<i>of which:</i>							
Steam		1 409	1 387	1 389	1 395	1 394	1 404
Gas turbine		196	196	203	130	130	138
Combined cycle		208	208	208	262	262	256
Internal combustion		52	52	54	13	16	16
Nuclear		-	-	-	-	-	-
Hydro		2 066	2 076	2 083	2 060	2 060	2 075
<i>among which:</i>							
Pumped storage		291	293	293	256	256	293
Wind		-	-	-	6	17	17
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		3 681	3 690	3 718	3 653	3 664	3 693
Autoproducers		250	229	225	213	215	213
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	<i>1 000 toe</i>	1 688	1 827	1 515	1 479	1 500	1 840
<i>among which:</i>							
Hard coal		489	529	494	532	496	532
Lignite and peat		3	3	5	5	5	5
Petroleum products		495	720	364	449	461	507
Natural gas		701	575	651	490	535	793
Renewables		-	-	1	3	2	2
Heating plants		94	98	98	104	90	87
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		38	40	44	44	38	32
Natural gas		55	57	53	58	51	54
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	<i>1 000 toe</i>	289	313	307	318	284	279
<i>among which: in heating plants</i>		76	83	79	83	71	71
Heat consumption		232	254	249	257	229	218
<i>of which: in industry</i>		53	52	51	54	48	44
in households and services		180	202	198	204	182	174
<i>among which: in households</i>		147	161	157	164	146	138

## 4.1 Crude oil and feedstocks

	HRVATSKA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	1 185	1 125	1 068	1 004	973	925
Total imports	4 265	4 302	4 470	4 306	3 962	4 512
Total exports	-	-	-	-	-	-
Stock changes	-156	138	1	41	92	11
Refinery intake	5 124	5 399	5 361	5 177	4 861	5 323
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	80	232	80	80	-	88
Near and Middle East	1 168	1 415	481	484	-	-
Africa	-	232	80	80	-	88
<i>by country of origin:</i>						
Algeria	-	-	-	-	-	-
Irak	80	-	-	-	-	-
Iran	-	-	-	-	-	-
Kazakhstan	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-
Libya	-	232	80	80	-	88
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	2 727	1 578	2 940	3 435	3 799	4 110
Saudi Arabia	-	-	-	-	-	-
Syria	1 088	1 415	481	484	-	-
United Arab Emirates	-	-	-	-	-	-



## 4.2 Petroleum products

	HRVATSKA						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Production and supply</b>							
Total refinery output		5 080	5 358	5 320	5 141	4 823	5 312
<i>among which:</i>							
Motor spirit		1 209	1 261	1 226	1 168	1 083	1 202
Kerosene and jet fuel		69	76	92	100	69	97
Naphtha		169	165	212	177	128	188
Gas/diesel oil		1 640	1 873	1 741	1 603	1 565	1 676
Residual fuel oil		1 062	1 036	1 012	1 160	1 097	1 180
Total imports		844	773	1 041	1 213	1 476	1 415
Total exports		1 626	1 726	2 052	1 873	1 853	2 021
Bunkers		24	22	24	25	20	24
Stock changes		-274	85	-113	-134	-13	-95
Gross inland consumption		-1 080	-890	-1 148	-819	-410	-725
<b>Imports and exports</b>							
Imports by origin							
<i>among which:</i>							
Netherlands		7	4	3	2	2	1
United Kingdom		72	-	-	-	14	-
Norway		-	77	-	-	-	-
OPEC		62	13	7	113	189	82
Imports by product							
<i>among which:</i>							
Motor spirit		77	89	137	257	307	255
Kerosene and jet fuel		14	3	1	4	29	4
Gas/diesel oil		321	234	471	543	686	721
Residual fuel oil		331	326	213	85	118	97
Exports by product							
<i>among which:</i>							
Motor spirit		468	631	609	706	680	717
Kerosene and jet fuel		8	13	10	3	3	-
Gas/diesel oil		401	454	495	349	394	514
Residual fuel oil		85	4	304	234	226	215
<b>Consumption</b>							
Inputs to electricity plants		518	753	381	469	482	531
Inputs to heating plants		40	42	46	46	39	33
Non-energy use		248	327	372	327	321	349
Final energy consumption		2 773	2 891	2 925	3 062	3 191	3 206
Industry							
<i>among which by product:</i>							
Gas/diesel oil		119	145	137	163	166	177
Residual fuel oil		309	268	218	182	192	139

	HRVATSKA						
	<i>in 1 000 t</i>	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		2	2	3	5	4	4
Non-ferrous metals		5	5	7	6	7	6
Chemical industry		74	81	105	58	104	54
Non-met. mineral prod.		194	151	139	233	253	234
Food, drink, tobacco		59	51	33	48	43	45
Pulp, paper and print		4	6	16	16	12	13
Engineering & metal		9	9	12	16	16	20
Other industries		86	107	111	139	154	161
Transport		1 571	1 696	1 749	1 828	1 943	2 080
<i>among which:</i>							
Motor spirit		743	740	707	695	696	709
Jet fuel		69	68	78	93	96	100
Diesel oil		739	868	947	1 018	1 114	1 220
Services & households etc.		733	746	725	688	639	573
<i>among which:</i>							
Gas oil		619	634	620	580	534	474
Residual fuel oil		40	36	25	27	20	16
<b>Stocks at end of period</b>							
Crude oil and feedstocks		500	362	361	320	228	456
Petroleum products		-	-	-	-	-	-

## 5. Natural gas

<i>in TJ (GCV)</i>	HRVATSKA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	80 572	83 205	83 528	86 769	103 113	109 900
Total imports	41 207	43 274	40 037	43 096	42 807	40 094
Total exports	13 764	12 996	13 209	16 971	34 033	28 565
Stock changes	2 253	-3 876	3 997	-2 318	-2 531	4 226
Gross inland consumption	110 268	109 607	114 353	110 576	109 356	125 655
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	41 207	43 274	40 037	43 096	42 807	40 094
<b>Consumption</b>						
Inputs to electricity plants	32 590	26 760	30 290	22 807	24 910	36 906
Inputs to heat plants	2 554	2 645	2 443	2 709	2 360	2 519
Consumption of energy branch	6 718	6 254	5 943	7 217	6 528	8 163
Distribution losses	4 102	3 819	2 846	2 352	2 481	1 942
Non-energy use	15 398	17 552	18 419	18 168	17 590	19 296
Industry	22 416	22 827	24 495	24 559	24 418	25 779
<i>among which:</i>						
Iron&steel industry	490	669	543	578	840	684
Non-ferrous metals	122	49	68	38	11	65
Chemical industry	3 830	4 636	6 460	5 856	5 221	7 250
Non-met. mineral prod.	8 402	7 706	7 102	7 372	6 996	7 452
Food, drink, tobacco	5 054	5 024	5 939	6 118	6 456	5 597
Pulp, paper and print	2 158	2 109	1 851	1 965	2 234	2 105
Engineering & metal	543	726	962	984	1 068	1 303
Other industries	282	342	567	699	737	578
Transport	-	-	-	-	-	-
Services & households etc.	26 490	29 750	29 917	32 764	31 069	29 815
<i>among which:</i>						
Households	20 851	24 058	23 921	26 136	24 765	23 655
Services	4 716	4 936	5 259	5 746	5 586	5 480

## 6.1 Hard coal

<i>in 1 000 t</i>	HRVATSKA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	879	1 035	1 218	958	1 083	1 102
Total exports	-	-	-	-	-	1
Stock changes	-7	2	-111	99	-96	-20
Gross inland consumption	872	1 037	1 107	1 057	987	1 081
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	68	-	-	-	-
Colombia	128	68	901	-	204	117
Russia	-	-	-	328	445	337
South Africa	266	210	-	339	75	68
USA	-	-	-	-	-	68
<b>Consumption</b>						
Inputs to electricity plants	794	904	852	888	836	896
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	78	126	254	169	151	185
<i>among which:</i>						
Iron&steel industry	-	-	-	1	-	2
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	2	-	-	4
Non-met. mineral prod.	78	126	252	168	148	179
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	3	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-

## 6.2 Coal derivatives and peat

		HRVATSKA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		615	591	473	556	597	462
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		17	17	20	23	21	28
<i>among which:</i>							
Iron & steel industry		6	3	-	4	7	5
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		84	86	72	71	71	54
<i>among which:</i>							
Industry		52	46	49	45	49	43
Services & households		32	40	23	26	22	11
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		548	500	411	490	513	400
Inputs to electricity plants		-	-	-	-	-	-
Inputs to heat plants		32	33	32	42	59	50
Consumption of energy branch		-	-	-	-	-	-
Consumption in industry		237	108	70	101	102	77

## 7. Renewable energy sources

		HRVATSKA					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	757	800	977	901	929	737
Hydro (excl. pumping)		461	419	598	545	516	364
Wind		-	-	0	1	2	3
Solar		-	-	-	-	-	1
Geothermal		-	-	-	-	-	3
Biomass		296	381	379	355	412	366
	<i>among which:</i>						
Wood, wood-waste		296	381	379	353	410	361
Municipal solid waste		-	-	-	-	-	-
Biogas		-	-	-	3	1	2
Gross inland consumption		757	800	977	901	884	693
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		-	-	1	3	2	2
	<i>among which:</i>						
Wood, wood-waste		-	-	1	1	1	1
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	3	1	2
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	296	381	378	352	364	324
	<i>by sector:</i>						
Industry		48	60	64	53	63	62
Services & households etc.		248	321	314	299	301	260
Transport		-	-	-	-	-	3
	<i>by source:</i>						
Biomass		296	381	378	352	364	320
	<i>among which:</i>						
Wood, wood-waste		296	381	378	352	364	317
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		-	-	-	-	-	3
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		-	2	1	1	1	1
Hydro with installed capacity > 1 & <10 MW		96	72	107	107	99	82
Hydro with installed capacity > 10 MW		5 269	4 802	6 850	6 225	5 900	4 153
Wood, Wood-waste		-	-	4	3	5	3
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	11	6	5

		HRVATSKA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		-	1	1	1	1	1
Hydro with installed capacity > 1 & <10 MW		38	33	31	32	32	32
Hydro with installed capacity > 10 MW		1 737	1 749	1 758	1 771	1 771	1 749
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	-	4
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	11





## 1. Energy economy Key figures and energy indicators

		TÜRKIYE					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	24 648	23 873	24 212	23 626	26 540	27 279
Net energy imports		51 107	56 776	58 705	62 143	69 293	76 101
Net oil imports		28 616	28 572	29 510	28 390	30 677	31 828
Net gas imports		14 340	17 283	18 123	22 134	25 179	29 767
Gross inland energy consumption		75 465	79 402	81 999	85 340	94 663	101 510
Final energy consumption		54 699	58 652	60 404	63 243	69 049	72 832
Industry		20 231	22 515	22 743	22 494	24 725	24 856
Transport		12 595	12 636	12 860	13 398	14 883	16 947
Services and households etc.		21 873	23 502	24 802	27 351	29 441	31 029
Gross electricity generation	GWh	129 400	140 581	150 698	161 956	176 300	191 558
Final electricity consumption		101 532	110 364	119 483	128 518	141 255	152 639
<b>Socio-economic statistics</b>							
Population	1000 per.	68 838	69 770	70 692	71 610	72 520	69 689
Total imports (current prices)	Mio EUR	57 410	64 502	82 376	98 094	115 617	129 716
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	1 096	1 138	1 160	1 192	1 305	1 457
Final energy consumption / capita		795	841	854	883	952	1 045
Household consumption / capita		230	244	247	270	277	297
Final electricity consumption / capita	kWh/cap.	1 475	1 582	1 690	1 795	1 948	2 190
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	67.3	71.0	70.4	71.9	72.5	74.4
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	72.5	73.9	73.7	74.1	72.9	71.7
Efficiency of thermal power stations		44.1	46.2	45.8	48.2	47.7	46.8

## 2. Energy balance

### Principal aggregates by product

	TÜRKIYE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	24 648	23 873	24 212	23 626	26 540	27 279
<i>among which:</i> Hard coal	1 171	1 289	1 367	1 565	1 542	1 425
Lignite and peat	10 655	9 721	9 232	8 919	11 543	13 369
Crude oil	2 435	2 365	2 264	2 273	2 169	2 146
Natural Gas	311	461	566	738	745	735
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	2 896	3 038	3 963	3 402	3 804	3 083
Biomass	6 039	5 783	5 550	5 332	5 162	5 023
<b>Imports</b>						
Total	54 225	61 142	63 668	67 711	76 043	82 429
<i>among which:</i> Hard coal	7 395	10 516	10 858	11 430	13 254	14 330
Crude oil and feedstocks	23 808	24 241	24 057	23 545	24 164	23 580
Petroleum products	7 887	8 647	10 317	10 258	13 071	14 342
Natural Gas	14 340	17 283	18 123	22 134	25 179	29 793
Electricity	309	100	40	55	49	74
<b>Exports</b>						
Total	3 117	4 366	4 963	5 567	6 750	6 328
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	3 080	4 316	4 865	5 413	6 557	6 094
Natural gas	-	-	-	-	-	26
Electricity	37	51	98	155	192	208
<b>Gross inland consumption</b>						
Total	75 465	79 402	81 999	85 340	94 663	101 510
<i>among which:</i> Solid fuels	19 601	21 514	22 205	22 296	26 593	29 387
Crude oil and petrol. prod.	30 768	30 072	30 361	30 197	31 672	32 195
Natural gas	14 735	17 721	18 709	22 792	25 973	30 424
Nuclear Energy	-	-	-	-	-	-
Renewables	10 077	10 036	10 783	10 131	10 540	9 604
<b>Transformation input</b>						
Total	49 418	51 161	51 195	53 796	56 978	60 939
<i>among which:</i> Crude oil and feedstocks	26 416	26 879	26 435	26 059	26 644	26 012
Petroleum products	2 380	2 034	1 754	1 207	1 045	1 415
Hard coal	3 396	4 778	5 587	5 764	6 430	6 373
Lignite and peat	7 347	6 192	5 963	6 769	8 132	9 788
Renewables	156	112	99	89	96	158
<b>Transformation output</b>						
Total	37 904	39 397	39 104	40 722	42 361	43 883
<i>among which:</i> Electricity	8 226	9 045	8 990	10 519	11 344	13 358
Heat	415	367	450	850	959	1 032

		TÜRKIYE					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		54 699	58 652	60 404	63 243	69 049	72 832
<i>among which:</i>	Solid fuels	9 402	11 116	11 499	11 283	13 296	14 458
	Petroleum products	22 837	22 847	22 861	23 242	23 032	23 480
	Natural Gas	5 535	7 220	7 922	9 460	12 311	13 697
	Renewables	7 021	6 881	6 717	6 635	6 629	6 331
	Electricity	8 730	9 490	10 274	11 051	12 146	13 125
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		20 231	22 515	22 743	22 494	24 725	24 856
<i>among which:</i>	Solid fuels	8 127	9 532	9 723	8 812	10 809	11 708
	Petroleum Products	4 936	4 894	4 329	4 063	3 115	1 419
	Natural Gas	1 672	2 253	2 448	2 708	3 339	3 718
	Renewables	119	119	121	121	121	126
	Electricity	4 203	4 617	4 991	5 217	5 706	6 144
<b>Transport</b>							
Total		12 595	12 636	12 860	13 398	14 883	16 947
<i>among which:</i>	Motor spirit	3 279	2 811	2 494	2 779	2 840	2 559
	Diesel oil	6 315	6 692	6 962	6 952	8 364	9 812
	Jet fuel	1 632	1 740	1 861	2 010	1 770	2 176
	Electricity	66	61	51	54	55	67
<b>Services&amp;households</b>							
Total		21 873	23 502	24 802	27 351	29 441	31 029
<i>among which:</i>	Solid fuels	1 275	1 584	1 776	2 471	2 488	2 750
	Gas oil	2 886	2 603	2 928	2 954	3 157	3 457
	Natural Gas	3 860	4 963	5 471	6 749	8 968	9 970
	Renewables	6 902	6 762	6 596	6 514	6 488	6 193
	Electricity	4 462	4 811	5 232	5 780	6 385	6 914
	Heat	-	-	-	-	-	-

### 3.1 Electricity balance

	TÜRKİYE						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		129 400	140 581	150 698	161 956	176 300	191 558
<i>among which:</i>							
Hydro		33 683	35 330	46 084	39 561	44 244	35 851
Wind		48	61	58	59	127	355
Geothermal		105	89	93	94	94	156
Nuclear		-	-	-	-	-	-
Conventional thermal		95 564	105 101	104 463	122 242	131 835	155 196
<i>of which:</i>							
Hard coal		3 370	7 830	11 116	12 253	13 175	14 039
Lignite and peat		28 056	23 590	22 449	29 946	32 433	38 294
Petroleum products		10 744	9 197	7 670	5 483	4 340	6 526
Natural gas		52 497	63 536	62 241	73 445	80 691	95 025
Derived gases		723	832	883	993	1 042	1 098
Biomass		130	80	76	34	58	95
Industrial wastes		44	36	28	88	96	119
Total net generation		123 727	135 248	145 066	155 469	169 543	183 340
<b>Imports and exports</b>							
Total imports		3 588	1 158	463	636	573	864
Total exports		435	588	1 144	1 798	2 236	2 422
<b>Consumption and losses</b>							
Consumption of the energy branch		7 089	6 735	7 291	8 232	8 572	10 714
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	-
Network losses		23 932	24 052	23 243	24 044	24 810	26 647
Final energy consumption		101 532	110 364	119 483	128 518	141 255	152 639
<i>of which:</i>							
Industry		48 876	53 697	58 042	60 671	66 357	71 450
<i>among which:</i>							
Iron&steel industry		8 074	9 582	10 940	11 661	13 399	15 477
Non-ferrous metals		2 544	3 081	2 697	2 485	2 785	3 036
Chemical industry		2 835	3 396	4 390	3 965	3 883	4 112
Non-met. mineral prod.		4 929	5 602	6 080	6 024	6 437	7 741
Food, drink, tobacco		3 194	4 142	3 485	3 754	4 072	4 932
Pulp, paper and print		1 202	1 592	1 238	1 383	1 750	2 129
Engineering & metal		2 291	2 737	2 418	2 489	2 518	2 733
Other industries		12 987	11 051	14 905	15 906	17 862	16 527
Transport		762	713	596	627	645	783
Services & households etc.		51 894	55 954	60 845	67 220	74 253	80 406
<i>among which:</i>							
Households		23 559	25 195	27 619	30 935	34 466	36 477

### 3.2 Electrical capacity, fuel inputs and heat

		TÜRKIYE					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	31 846	35 587	36 824	38 842	40 565	40 835
<b>by source:</b>							
Conventional thermal		19 568	22 974	24 145	25 901	27 420	27 271
<i>of which:</i>							
Steam		8 610	8 565	8 580	9 429	10 519	10 545
Gas turbine		427	655	675	851	1 080	1 075
Combined cycle		9 571	12 454	13 512	14 079	14 251	14 424
Internal combustion		960	1 293	1 353	1 503	1 467	1 174
Nuclear		-	-	-	-	-	-
Hydro		12 241	12 579	12 645	12 905	13 063	13 395
<i>among which:</i>							
Pumped storage		-	-	-	-	-	-
Wind		19	19	19	21	59	146
Geothermal		18	15	15	15	23	23
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		28 110	31 045	32 444	34 780	36 787	37 101
Autoproducers		3 736	4 542	4 380	4 062	3 778	3 734
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	19 589	20 375	20 622	23 576	25 777	30 717
<i>among which:</i>							
Hard coal		802	1 795	2 385	2 594	2 862	3 136
Lignite and peat		7 346	6 178	5 921	6 721	8 075	9 770
Petroleum products		2 380	2 034	1 754	1 207	1 045	1 415
Natural gas		8 656	9 960	10 137	12 621	13 293	15 811
Renewables		156	112	99	89	96	158
Heating plants		-	-	-	-	-	-
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		-	-	-	-	-	-
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	415	367	450	850	959	1 032
<i>among which: in heating plants</i>							
		-	-	-	-	-	-
Heat consumption		415	367	450	850	959	1 032
<i>of which: in industry</i>							
		415	367	450	850	959	1 032
<i>in households and services</i>							
		-	-	-	-	-	-
<i>among which: in households</i>							
		-	-	-	-	-	-

## 4.1 Crude oil and feedstocks

	TÜRKİYE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	2 420	2 351	2 251	2 258	2 160	2 134
Total imports	23 662	24 095	23 918	23 389	24 063	23 446
Total exports	-	-	-	-	-	-
Stock changes	130	49	-185	154	304	90
Refinery intake	26 252	26 717	26 281	25 886	26 532	25 864
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	15 421	17 534	16 110	15 897	17 191	13 870
Near and Middle East	13 658	14 144	11 767	11 681	13 025	13 501
Africa	4 068	4 694	5 053	4 540	4 166	612
<i>by country of origin:</i>						
Algeria	267	240	397	-	-	-
Irak	2 850	1 817	1 389	976	551	923
Iran	4 539	7 029	5 821	6 887	8 971	8 776
Kazakhstan	-	22	150	-	-	83
Kuwait	-	-	-	-	-	-
Libya	3 900	4 580	5 053	4 540	4 166	612
Mexico	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Russia	3 927	4 565	6 344	6 997	6 787	8 890
Saudi Arabia	3 865	3 868	3 450	3 494	3 503	3 559
Syria	2 404	1 430	1 107	324	-	243
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	TÜRKIYE						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Production and supply</b>							
Total refinery output		26 037	26 461	26 002	25 638	26 235	25 554
<i>among which:</i>							
Motor spirit		3 718	3 837	3 479	3 609	3 659	4 098
Kerosene and jet fuel		1 650	1 762	1 831	2 021	1 676	2 407
Naphtha		1 453	1 354	1 573	1 488	1 488	974
Gas/diesel oil		7 720	8 087	7 665	7 601	7 549	7 016
Residual fuel oil		7 970	8 038	7 845	7 208	7 271	6 369
Total imports		7 536	8 256	9 876	9 813	12 604	13 848
Total exports		3 031	4 193	4 777	5 313	6 520	6 079
Bunkers		535	622	1 342	1 069	990	855
Stock changes		106	-299	101	435	-489	-1 005
Gross inland consumption		4 076	3 142	3 858	3 866	4 605	5 909
<b>Imports and exports</b>							
Imports by origin							
<i>among which:</i>							
Netherlands		34	85	-	-	-	133
United Kingdom		52	139	66	106	99	121
Norway		827	785	666	468	433	296
OPEC		1 985	1 327	1 530	1 729	1 737	1 908
Imports by product							
<i>among which:</i>							
Motor spirit		450	447	759	619	850	578
Kerosene and jet fuel		17	152	184	18	274	137
Gas/diesel oil		2 409	2 715	3 818	4 146	6 436	7 942
Residual fuel oil		821	736	785	748	468	493
Exports by product							
<i>among which:</i>							
Motor spirit		1 113	1 654	1 865	1 671	1 673	2 027
Kerosene and jet fuel		18	146	200	33	88	355
Gas/diesel oil		582	931	564	1 278	1 773	579
Residual fuel oil		423	525	1 102	1 427	2 105	2 555
<b>Consumption</b>							
Inputs to electricity plants		2 466	2 105	1 819	1 256	1 091	1 480
Inputs to heating plants		-	-	-	-	-	-
Non-energy use		3 579	3 358	3 976	4 020	5 731	5 708
Final energy consumption		22 335	22 370	22 323	22 653	22 444	22 789
Industry							
<i>among which by product:</i>							
Gas/diesel oil		181	301	179	75	52	328
Residual fuel oil		4 106	4 355	3 894	3 684	2 754	1 008

	TÜRKIYE						
	in 1 000 t	2002	2003	2004	2005	2006	2007
<b>Industry</b>							
<i>among which by sector:</i>							
Iron&steel industry		404	374	252	256	49	17
Non-ferrous metals		276	276	277	280	280	151
Chemical industry		885	884	1 421	1 418	1 125	453
Non-met. mineral prod.		57	55	51	54	54	27
Food, drink, tobacco		165	264	238	188	96	41
Pulp, paper and print		220	274	210	183	170	124
Engineering & metal		-	-	-	-	-	-
Other industries		2 715	2 545	1 717	1 604	1 244	613
<b>Transport</b>		12 112	12 168	12 396	12 905	14 327	16 316
<i>among which:</i>							
Motor spirit		3 120	2 675	2 373	2 644	2 702	2 435
Jet fuel		1 589	1 694	1 812	1 957	1 723	2 119
Diesel oil		6 206	6 577	6 842	6 833	8 220	9 643
<b>Services &amp; households etc.</b>		5 181	5 157	5 466	5 564	4 919	5 026
<i>among which:</i>							
Gas oil		2 836	2 558	2 878	2 903	3 103	3 398
Residual fuel oil		604	500	295	265	264	283
<b>Stocks at end of period</b>							
Crude oil and feedstocks		5 150	5 101	5 286	5 132	4 828	4 738
Petroleum products		2 092	2 391	2 290	1 855	2 344	3 349



## 5. Natural gas

	TÜRKİYE						
	<i>in TJ (GCV)</i>	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>							
Primary production		14 477	21 448	26 350	34 355	34 662	34 202
Total imports		667 112	803 993	843 063	1 029 654	1 171 307	1 385 956
Total exports		-	-	-	-	-	1 188
Stock changes		3 903	-1 073	949	-3 735	2 283	-3 658
Gross inland consumption		685 492	824 368	870 362	1 060 274	1 208 252	1 415 312
<b>Imports</b>							
Imports by origin							
<i>among which:</i>							
Algeria		156 282	148 386	138 956	158 992	173 481	176 610
Egypt		-	-	-	-	-	-
Libya		-	-	-	-	-	-
Nigeria		48 636	43 330	42 855	42 832	46 531	58 857
Norway		-	-	-	-	-	-
Oman		-	-	-	-	-	-
Qatar		-	-	-	-	-	-
Russia		436 302	475 732	531 645	660 621	728 211	857 649
<b>Consumption</b>							
Inputs to electricity plants		402 692	463 324	471 567	587 146	618 392	735 515
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		5 741	6 544	9 388	9 531	10 092	32 239
Distribution losses		805	821	865	885	955	965
Non-energy use		18 754	17 791	19 994	22 615	6 121	9 430
Industry		77 769	104 831	113 872	125 998	155 326	172 942
<i>among which:</i>							
Iron&steel industry		12 866	14 793	19 906	21 788	27 527	31 787
Non-ferrous metals		7 800	13 905	15 104	17 826	21 424	22 720
Chemical industry		12 749	21 178	23 341	31 009	38 834	42 116
Non-met. mineral prod.		15 628	17 348	22 062	24 540	24 134	26 135
Food, drink, tobacco		2 496	3 516	5 027	5 003	6 979	9 925
Pulp, paper and print		1 911	2 152	2 575	2 169	2 417	2 506
Engineering & metal		2 120	2 070	3 386	3 499	2 702	2 458
Other industries		10 269	16 229	10 128	12 500	22 770	24 929
Transport		146	165	155	145	165	421
Services & households etc.		179 585	230 892	254 521	313 954	417 201	463 800
<i>among which:</i>							
Households		145 040	173 399	181 299	222 586	287 633	321 124
Services		34 545	57 493	73 222	91 368	129 568	142 676

## 6.1 Hard coal

	TÜRKIYE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	2 250	2 395	2 668	3 058	2 771	3 243
Total imports	11 693	16 166	16 427	17 360	20 286	22 945
Total exports	-	-	-	-	-	-
Stock changes	-182	-690	531	-259	343	-207
Gross inland consumption	13 761	17 871	19 626	20 159	23 400	25 981
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	1 862	1 709	776	906	1 569	1 756
Colombia	-	1 825	1 567	2 456	-	2 754
Russia	5 350	6 717	6 769	6 772	8 476	9 875
South Africa	1 144	2 299	1 940	1 448	2 215	2 499
USA	811	1 278	1 571	1 810	1 045	1 312
<b>Consumption</b>						
Inputs to electricity plants	1 945	3 614	4 471	5 171	5 476	5 912
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	106	92	94	89	80	-
Non-ferrous metals	76	80	89	94	98	163
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	55	66	68	69	79	80
Food, drink, tobacco	144	113	122	136	152	74
Pulp, paper and print	15	17	18	20	25	27
Engineering & metal	-	-	-	-	-	-
Other industries	7 018	8 788	9 450	8 749	11 308	13 473
Services & households etc.	921	1 034	949	1 573	1 387	1 516

## 6.2 Coal derivatives and peat

		TÜRKIYE					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		2 598	2 878	2 990	2 992	3 213	3 335
Patent Fuel		-	-	-	-	-	-
Lignite and peat		51 660	46 168	43 709	55 282	61 484	72 121
Brown coal briquettes		2	47	159	120	155	62
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		17 824	20 921	21 807	21 829	22 165	23 184
Blast-furnace gas		35 989	36 622	36 411	38 447	37 970	38 881
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		1 993	2 121	2 055	2 079	2 316	2 452
<i>among which:</i>							
Iron & steel industry		1 599	1 736	1 837	1 812	1 847	2 036
Services & households		43	159	75	69	36	26
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		10 137	11 223	11 689	9 004	10 285	11 608
<i>among which:</i>							
Industry		6 431	6 979	6 192	4 114	4 897	5 006
Services & households		3 706	4 244	5 497	4 890	5 388	6 602
Brown coal briquettes		2	47	159	120	155	62
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		2	47	159	120	155	62
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		11 145	11 503	11 861	12 108	11 016	10 676
Blast-furnace gas		21 745	20 284	17 891	19 344	18 409	20 123
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		10 062	12 277	13 928	13 562	16 322	17 009
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		9 947	10 558	13 354	13 069	13 030	13 395
Consumption in industry		32 890	31 787	29 752	31 452	29 425	30 799

## 7. Renewable energy sources

		TÜRKIYE					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	10 077	10 036	10 783	10 131	10 541	9 604
Hydro (excl. pumping)		2 896	3 038	3 963	3 402	3 804	3 083
Wind		4	5	5	5	11	31
Solar		318	350	375	385	402	420
Geothermal		820	860	891	1 007	1 162	1 048
Biomass		6 039	5 783	5 550	5 332	5 162	5 023
	<i>among which:</i>						
Wood, wood-waste		6 032	5 775	5 542	5 325	5 133	4 994
Municipal solid waste		-	-	-	-	-	-
Biogas		7	8	7	7	8	15
Gross inland consumption		10 077	10 036	10 783	10 131	10 540	9 604
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		90	76	80	81	81	134
Biomass		66	36	19	8	16	24
	<i>among which:</i>						
Wood, wood-waste		59	28	11	1	8	9
Municipal waste		-	-	-	-	-	-
Biogas		7	8	7	7	8	15
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	7 021	6 881	6 717	6 635	6 629	6 331
	<i>by sector:</i>						
Industry		119	119	121	121	121	126
Services & households etc.		6 902	6 762	6 596	6 514	6 488	6 193
Transport		-	-	-	-	20	12
	<i>by source:</i>						
Biomass		5 973	5 747	5 531	5 324	5 145	4 997
	<i>among which:</i>						
Wood, wood-waste		5 973	5 747	5 531	5 324	5 126	4 985
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		730	784	811	926	1 081	914
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		53	56	55	49	47	42
Hydro with installed capacity > 1 & <10 MW		456	413	490	453	455	426
Hydro with installed capacity > 10 MW		33 174	34 861	45 539	39 059	43 742	35 383
Wood, Wood-waste		103	48	46	5	23	26
Municipal waste		-	-	-	-	-	-
Biogas		26	32	30	29	35	69

		TÜRKİYE					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		16	15	15	15	15	15
Hydro with installed capacity > 1 & <10 MW		142	142	160	160	170	189
Hydro with installed capacity > 10 MW		12 083	12 422	12 470	12 731	12 878	13 191
Wood, Wood-waste		72	72	72	72	40	72
Municipal waste		-	-	-	-	-	-
Biogas		9	9	9	9	14	16
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	21	14
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	8 700	9 500	10 000	11 000	11 500	12 000



# 1. Energy economy

## Key figures and energy indicators

		ISLAND					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	2 462	2 457	2 519	2 636	3 259	:
Net energy imports		969	937	1 072	1 063	1 099p	:
Net oil imports		870	844	967	962	998	:
Net gas imports		-	-	-	-	-	:
Gross inland energy consumption		3 388	3 379	3 489	3 616	4 349p	:
Final energy consumption		2 209	2 218	2 230	2 204	2 382p	:
Industry		786	775	797	765	852p	:
Transport		316	319	345	360	479	:
Services and households etc.		1 107	1 123	1 087	1 078	1 050	:
Gross electricity generation	GWh	8 416	8 500	8 623	8 686	9 930	:
Final electricity consumption		7 519	7 541	7 760	7 799	8 998	:
<b>Socio-economic statistics</b>							
Population	1000 per.	287	289	291	294	300	308
Total imports (current prices)	Mio EUR	3 399	3 627	4 237	5 774	6 656	6 709
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	11 820	11 711	12 005	12 315	14 500	:
Final energy consumption / capita		7 708	7 687	7 672	7 506	7 941	:
Household consumption / capita		2 304	2 281	2 139	2 089	2 074	:
Final electricity consumption / capita	kWh/cap.	26 235	26 139	26 703	26 563	30 003	:
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	28.0	27.2	30.1	28.9	25.1	:
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	65.2	65.6	63.9	61.0	54.8	:
Efficiency of thermal power stations		27.9	27.2	27.3	23.7	21.5	:

## 2. Energy balance

### Principal aggregates by product

	ISLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	2 462	2 457	2 519	2 636	3 259	:
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	600	609	613	604	627	:
Biomass	2	2	2	3	2	:
<b>Imports</b>						
Total	969	937	1 072	1 063	1 099p	:
<i>among which:</i> Hard coal	66	57	70	78	78p	:
Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	870	844	967	962	998	:
Natural Gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
<b>Exports</b>						
Total	-	-	-	-	-	-
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-
Electricity	-	-	-	-	-	-
<b>Gross inland consumption</b>						
Total	3 388	3 379	3 489	3 616	4 349p	:
<i>among which:</i> Solid fuels	98	93	105	101	101p	:
Crude oil and petrol. prod.	827	828	864	878	989	:
Natural gas	-	-	-	-	-	-
Nuclear Energy	-	-	-	-	-	-
Renewables	2 462	2 457	2 519	2 636	3 259	:
<b>Transformation input</b>						
Total	1 271	1 222	1 262	1 448	2 062	:
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	1	1	1	1	1	:
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	1 270	1 221	1 261	1 447	2 061	:
<b>Transformation output</b>						
Total	376	353	366	365	465	:
<i>among which:</i> Electricity	124	121	128	143	227	:
Heat	252	232	238	222	238	:



	ISLAND						
	in 1 000 toe	2002	2003	2004	2005	2006	2007
<b>Final energy consumption</b>							
Total		2 209	2 218	2 230	2 204	2 382p	:
<i>among which:</i>							
Solid fuels		98	93	105	101	101p	:
Petroleum products		686	691	714	718	791	:
Natural Gas		-	-	-	-	-	-
Renewables		552	576	535	516	502	:
Electricity		647	648	667	671	774	:
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		786	775	797	765	852p	:
<i>among which:</i>							
Solid fuels		98	93	105	101	101p	:
Petroleum Products		132	123	129	122	115	:
Natural Gas		-	-	-	-	-	-
Renewables		55	55	55	36	36	:
Electricity		501	504	509	506	601	:
<b>Transport</b>							
Total		316	319	345	360	479	:
<i>among which:</i>							
Motor spirit		153	153	158	158	170	:
Diesel oil		54	55	63	63	117	:
Jet fuel		107	109	124	140	186	:
Electricity		-	-	-	-	-	-
<b>Services&amp;households</b>							
Total		1 107	1 123	1 087	1 078	1 050	:
<i>among which:</i>							
Solid fuels		-	-	-	-	-	-
Gas oil		225	236	237	222	159	:
Natural Gas		-	-	-	-	-	-
Renewables		497	521	480	480	466	:
Electricity		146	144	158	164	173	:
Heat		227	209	209	199	214	:

### 3.1 Electricity balance

	ISLAND						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		8 416	8 500	8 623	8 686	9 930	:
<i>among which:</i>							
Hydro		6 977	7 088	7 134	7 019	7 293	:
Wind		-	-	-	-	-	:
Geothermal		1 433	1 406	1 483	1 658	2 631	:
Nuclear		-	-	-	-	-	:
Conventional thermal		6	6	6	9	6	:
<i>of which:</i>							
Hard coal		-	-	-	-	-	:
Lignite and peat		-	-	-	-	-	:
Petroleum products		6	-	4	5	4	:
Natural gas		-	-	-	-	-	:
Derived gases		-	-	-	-	-	:
Biomass		-	-	2	4	2	:
Industrial wastes		-	6	-	-	-	:
Total net generation		8 272	8 356	8 475	8 513	9 796	:
<b>Imports and exports</b>							
Total imports		-	-	-	-	-	:
Total exports		-	-	-	-	-	:
<b>Consumption and losses</b>							
Consumption of the energy branch		477	469	481	506	518	:
<i>of which:</i>							
Consumption for pumped-storage		-	-	-	-	-	:
Network losses		420	490	382	381	413	:
Final energy consumption		7 519	7 541	7 760	7 799	8 998	:
<i>of which:</i>							
Industry		5 822	5 867	5 917	5 889	6 991	:
<i>among which:</i>							
Iron&steel industry		1 039	1 050	1 031	981	983	:
Non-ferrous metals		4 170	4 180	4 202	4 211	5 287	:
Chemical industry		29	20	20	19	20	:
Non-met. mineral prod.		32	31	41	45	42	:
Food, drink, tobacco		428	478	466	442	433	:
Pulp, paper and print		16	15	17	16	19	:
Engineering & metal		17	14	15	16	15	:
Other industries		59	48	98	145	187	:
Transport		-	-	-	-	-	:
Services & households etc.		1 697	1 674	1 843	1 910	2 007	:
<i>among which:</i>							
Households		637	612	672	690	797	:

### 3.2 Electrical capacity, fuel inputs and heat

		ISLAND					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	1 505	1 507	1 508	1 538	1 725	:
<b>by source:</b>							
Conventional thermal		149	150	143	143	140	:
<i>of which:</i>							
Steam		-	-	-	-	-	:
Gas turbine		35	35	35	35	35	:
Combined cycle		-	-	-	-	-	:
Internal combustion		114	115	108	108	140	:
Nuclear		-	-	-	-	-	:
Hydro		1 154	1 155	1 163	1 163	1 163	:
<i>among which:</i>							
Pumped storage		-	-	-	-	-	:
Wind		-	-	-	-	-	:
Geothermal		202	202	202	232	422	:
Other		-	-	-	-	-	:
<b>by producer type:</b>							
Public system		1 474	1 476	1 477	1 507	1 697	:
Autoproducers		31	31	31	31	28	:
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	1 247	1 198	1 238	1 418	2 018	:
<i>among which:</i>							
Hard coal		-	-	-	-	-	:
Lignite and peat		-	-	-	-	-	:
Petroleum products		1	1	1	1	1	:
Natural gas		-	-	-	-	-	:
Renewables		1 246	1 197	1 237	1 417	2 017	:
Heating plants		24	24	24	30	44	:
<i>among which:</i>							
Hard coal		-	-	-	-	-	:
Lignite and peat		-	-	-	-	-	:
Petroleum products		-	-	-	-	-	:
Natural gas		-	-	-	-	-	:
Renewables		24	24	24	30	44	:
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	252	232	238	222	238	:
<i>among which: in heating plants</i>		28	28	27	29	30	:
Heat consumption		227	209	209	199	214	:
<i>of which: in industry</i>		-	-	-	-	-	:
in households and services		227	209	209	199	214	:
<i>among which: in households</i>		197	180	180	170	184	:

## 4.1 Crude oil and feedstocks

	ISLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Refinery intake	-	-	-	-	-	-
<b>Imports of Crude Oil by origin</b>						
<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

	ISLAND					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	-	-	-	-	-	-
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Naphtha	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
Total imports	891	864	986	983	1 028	:
Total exports	-	-	-	-	-	-
Bunkers	66	67	70	64	35	:
Stock changes	24	52	-31	-19	26	:
Gross inland consumption	849	849	885	900	1 019	:
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	104	90	141	112	129	:
United Kingdom	30	26	31	33	36	:
Norway	145	124	461	261	343	:
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	145	140	153	164	166	:
Kerosene and jet fuel	105	110	124	139	167	:
Gas/diesel oil	387	384	466	418	386	:
Residual fuel oil	76	58	55	63	71	:
Exports by product						
<i>among which:</i>						
Motor spirit	-	-	-	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	-	-	-	-	-
Residual fuel oil	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	1	1	1	1	1	:
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	176	170	186	197	237	:
Final energy consumption	673	678	698	702	774	:
Industry	134	124	129	122	114	:
<i>among which by product:</i>						
Gas/diesel oil	63	65	85	86	89	:
Residual fuel oil	70	58	43	35	24	:

	ISLAND						
	in 1 000 t	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		-	-	-	-	-	-
Non-ferrous metals		7	7	7	7	9	:
Chemical industry		-	-	-	-	-	-
Non-met. mineral prod.		-	-	-	-	-	-
Food, drink, tobacco		75	62	51	45	23	:
Pulp, paper and print		-	-	-	-	-	-
Engineering & metal		-	-	-	-	-	-
Other industries		52	55	71	70	82	:
Transport		305	308	333	348	464	:
<i>among which:</i>							
Motor spirit		146	146	150	150	162	:
Jet fuel		104	106	121	136	181	:
Diesel oil		53	54	62	62	115	:
Services & households etc.		234	246	236	232	196	:
<i>among which:</i>							
Gas oil		221	232	233	218	156	:
Residual fuel oil		12	13	2	13	39	:
<b>Stocks at end of period</b>							
Crude oil and feedstocks		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-

## 5. Natural gas

	ISLAND					
	2002	2003	2004	2005	2006	2007
<i>in TJ (GCV)</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	-	-	-	-	-	-
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	-	-	-	-	-	-
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
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>	ISLAND					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	98	85	104	117	117p	:
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	98	85	104	117	117p	:
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	-	-	-	-	-	-
South Africa	-	-	-	-	-	-
USA	-	-	-	9	9p	:
<b>Consumption</b>						
Inputs to electricity plants						
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry						
<i>among which:</i>						
Iron&steel industry	85	74	86	103	103p	:
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	-	-	-	-	-	-
Non-met. mineral prod.	13	11	18	14	14p	:
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	-	-	-	-	-	-



## 6.2 Coal derivatives and peat

		ISLAND					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		48	53	52	33	33p	:
<i>among which:</i>							
Iron & steel industry		48	53	52	33	33p	:
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<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					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	2 462	2 457	2 519	2 636	3 259	:
Hydro (excl. pumping)		600	609	613	604	627	:
Wind		-	-	-	-	-	:
Solar		-	-	-	-	-	:
Geothermal		1 861	1 846	1 904	2 030	2 630	:
Biomass		2	2	2	3	2	:
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal solid waste		2	2	2	2	2	:
Biogas		-	-	1	1	0	:
Gross inland consumption		2 462	2 457	2 519	2 636	3 259	:
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		1 268	1 219	1 259	1 444	2 059	:
Biomass		2	2	2	3	2	:
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		2	2	2	2	2	:
Biogas		-	-	1	1	0	:
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	552	576	535	516	502	:
	<i>by sector:</i>						
Industry		55	55	55	36	36	:
Services & households etc.		497	521	480	480	466	:
Transport		-	-	-	-	-	-
	<i>by source:</i>						
Biomass		-	-	-	-	-	-
	<i>among which:</i>						
Wood, wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	-	-	-	-
Geothermal		552	576	535	516	502	:
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		34	35	32	40	48	:
Hydro with installed capacity > 1 & <10 MW		220	220	265	236	260	:
Hydro with installed capacity > 10 MW		6 723	6 833	6 838	6 744	6 985	:
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	1	:
Biogas		-	-	2	4	1	:

		ISLAND					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		9	9	13	10	7	:
Hydro with installed capacity > 1 & <10 MW		39	39	43	46	49	:
Hydro with installed capacity > 10 MW		1 107	1 107	1 107	1 107	1 107	:
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		-	-	-	-	-	-
Biogas		-	-	1	1	1	:
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	-	-
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	-



## 1. Energy economy Key figures and energy indicators

		NORGE					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	233 630	236 016	238 467	234 026	223 650	216 006
Net energy imports		-208 718	-207 111	-210 036	-200 643	-197 561	-188 453
Net oil imports		-152 160	-145 795	-144 696	-128 098	-123 095	-112 839
Net gas imports		-55 056	-60 948	-65 343	-71 120	-73 675	-73 263
Gross inland energy consumption		24 301	27 279	28 331	32 267	25 037	27 690
Final energy consumption		18 298	17 978	18 445	18 479	18 359	18 836
Industry		6 312	6 354	6 685	6 574	6 330	6 327
Transport		4 621	4 691	4 856	4 934	5 126	5 430
Services and households etc.		7 365	6 933	6 904	6 970	6 902	7 080
Gross electricity generation	GWh	130 705	107 405	110 699	138 055	121 580	137 471
Final electricity consumption		109 113	103 154	107 915	110 727	107 395	110 640
<b>Socio-economic statistics</b>							
Population	1000 per.	4 524	4 552	4 578	4 606	4 640	4 681
Total imports (current prices)	Mio EUR	56 626	54 428	59 355	68 429	76 147	84 704
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	5 371	5 992	6 189	7 005	5 396	5 915
Final energy consumption / capita		4 045	3 949	4 029	4 012	3 956	4 024
Household consumption / capita		882	837	820	832	822	829
Final electricity consumption / capita	kWh/cap.	24 118	22 660	23 575	24 038	23 144	23 635
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	-836.1	-744.0	-728.2	-608.8	-773.6	-664.9
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	75.3	65.9	65.1	57.3	73.3	68.0
Efficiency of thermal power stations		87.7	93.4	100.1	106.1	103.2	94.7

## 2. Energy balance

### Principal aggregates by product

	NORGE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>						
<b>Primary production</b>						
Total	233 630	236 016	238 467	234 026	223 650	216 006
among which:						
Hard coal	1 431	1 976	1 949	987	1 607	2 681
Lignite and peat	-	-	-	-	-	-
Crude oil	160 494	157 403	155 467	143 771	132 022	122 368
Natural Gas	59 166	66 270	70 419	76 281	78 415	78 081
Nuclear heat	-	-	-	-	-	-
Hydro-electricity	11 128	9 081	9 361	11 665	10 262	11 516
Biomass	1 404	1 269	1 249	1 278	1 288	1 282
<b>Imports</b>						
Total	5 634	6 310	6 573	5 684	5 983	6 363
among which:						
Hard coal	440	450	514	448	354	409
Crude oil and feedstocks	652	562	547	812	362	1 131
Petroleum products	3 813	3 828	3 852	3 829	4 120	4 003
Natural Gas	-	-	-	-	-	-
Electricity	459	1 154	1 316	314	843	454
<b>Exports</b>						
Total	214 351	213 421	216 609	206 328	203 543	194 815
among which:						
Crude oil and feedstocks	143 115	136 050	134 785	117 579	111 325	100 972
Petroleum products	13 510	14 135	14 310	15 161	16 252	16 999
Natural gas	55 056	60 948	65 343	71 120	73 675	73 263
Electricity	1 294	477	331	1 350	769	1 317
<b>Gross inland consumption</b>						
Total	24 301	27 279	28 331	32 267	25 037	27 690
among which:						
Solid fuels	813	789	927	777	713	753
Crude oil and petrol. prod.	7 637	10 055	10 665	14 345	7 855	10 023
Natural gas	4 110	5 321	5 076	5 160	4 739	4 818
Nuclear Energy	-	-	-	-	-	-
Renewables	12 557	10 425	10 664	13 008	11 641	12 940
<b>Transformation input</b>						
Total	14 004	15 693	15 062	16 506	17 563	17 442
among which:						
Crude oil and feedstocks	13 687	15 294	14 662	16 122	17 126	16 934
Petroleum products	36	60	22	16	24	25
Hard coal	16	14	18	17	17	18
Lignite and peat	-	-	-	-	-	-
Renewables	169	219	234	228	249	265
<b>Transformation output</b>						
Total	13 675	15 380	14 834	16 237	17 289	17 156
among which:						
Electricity	68	83	92	95	105	131
Heat	218	258	263	282	321	361

		NORGE					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		18 298	17 978	18 445	18 479	18 359	18 836
<i>among which:</i>	Solid fuels	762	740	838	715	610	678
	Petroleum products	6 581	6 891	6 852	6 727	6 954	7 030
	Natural Gas	138	182	213	226	239	270
	Renewables	1 254	1 091	1 036	1 059	1 065	1 071
	Electricity	9 382	8 870	9 279	9 521	9 234	9 513
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		6 312	6 354	6 685	6 574	6 330	6 327
<i>among which:</i>	Solid fuels	759	738	836	714	609	678
	Petroleum Products	782	900	813	751	777	695
	Natural Gas	128	170	190	184	198	198
	Renewables	535	400	384	404	400	432
	Electricity	4 075	4 107	4 409	4 473	4 290	4 268
<b>Transport</b>							
Total		4 621	4 691	4 856	4 934	5 126	5 430
<i>among which:</i>	Motor spirit	1 728	1 709	1 699	1 642	1 577	1 495
	Diesel oil	2 093	2 223	2 322	2 465	2 605	2 868
	Jet fuel	639	523	603	635	696	698
	Electricity	155	143	127	126	131	131
<b>Services&amp;households</b>							
Total		7 365	6 933	6 904	6 970	6 902	7 080
<i>among which:</i>	Solid fuels	3	2	2	1	1	-
	Gas oil	1 153	1 238	1 120	1 006	1 021	948
	Natural Gas	7	6	15	32	30	31
	Renewables	719	691	652	655	660	607
	Electricity	5 152	4 620	4 743	4 922	4 813	5 115
	Heat	148	165	174	183	199	220

### 3.1 Electricity balance

	NORGE						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		130 705	107 405	110 699	138 055	121 580	137 471
<i>among which:</i>							
Hydro		129 837	106 216	109 373	136 441	119 726	135 052
Wind		75	218	252	506	637	900
Geothermal		-	-	-	-	-	-
Nuclear		-	-	-	-	-	-
Conventional thermal		793	971	1 074	1 108	1 217	1 519
<i>of which:</i>							
Hard coal		41	42	43	42	43	50
Lignite and peat		-	-	-	-	-	-
Petroleum products		22	31	28	23	29	27
Natural gas		198	299	374	375	471	730
Derived gases		92	88	63	90	94	94
Biomass		282	398	421	379	446	432
Industrial wastes		158	113	145	199	134	186
Total net generation		130 103	106 916	109 930	137 420	120 989	136 369
<b>Imports and exports</b>							
Total imports		5 335	13 422	15 309	3 653	9 801	5 285
Total exports		15 046	5 548	3 854	15 695	8 947	15 320
<b>Consumption and losses</b>							
Consumption of the energy branch		2 196	2 153	2 764	4 464	4 552	5 878
<i>of which:</i>							
Consumption for pumped-storage		243	259	218	315	140	479
Network losses		9 263	9 368	10 965	10 046	10 112	9 800
Final energy consumption		109 113	103 154	107 915	110 727	107 395	110 640
<i>of which:</i>							
Industry		47 397	47 763	51 277	52 025	49 892	49 638
<i>among which:</i>							
Iron&steel industry		6 352	5 927	6 885	5 646	4 257	4 431
Non-ferrous metals		18 809	20 599	22 418	23 757	23 590	22 826
Chemical industry		6 808	6 834	7 093	7 617	7 472	7 808
Non-met. mineral prod.		843	834	853	886	928	933
Food, drink, tobacco		2 920	2 743	2 956	2 811	2 811	2 723
Pulp, paper and print		6 788	6 436	6 753	6 752	6 157	6 217
Engineering & metal		2 200	1 909	1 925	1 948	2 098	2 007
Other industries		2 037	1 830	1 748	1 981	1 961	2 064
Transport		1 804	1 660	1 476	1 460	1 529	1 520
Services & households etc.		59 912	53 731	55 162	57 242	55 974	59 482
<i>among which:</i>							
Households		34 647	32 023	32 405	34 006	33 646	35 411



## 3.2 Electrical capacity, fuel inputs and heat

		NORGE					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	MW	28 248	28 421	27 924	28 896	29 479	:
<b>by source:</b>							
Conventional thermal		237	248	260	273	256	:
<i>of which:</i>							
Steam		181	190	199	210	193	:
Gas turbine		35	42	39	40	40	:
Combined cycle		-	-	-	-	-	:
Internal combustion		21	16	22	23	23	:
Nuclear		-	-	-	-	-	:
Hydro		27 914	28 076	27 512	28 358	28 941	:
<i>among which:</i>							
Pumped storage		1 652	1 318	1 424	764	1 396	:
Wind		97	97	152	265	282	:
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		27 309	27 504	27 005	27 959	28 507	:
Autoproducers		974	952	954	972	1 015	:
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	1 000 toe	147	185	212	203	218	271
<i>among which:</i>							
Hard coal		16	14	18	17	17	18
Lignite and peat		-	-	-	-	-	-
Petroleum products		2	3	1	3	2	3
Natural gas		26	39	48	49	58	107
Renewables		84	112	130	122	128	129
Heating plants		133	176	138	137	166	187
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		34	57	21	13	22	22
Natural gas		3	7	5	7	10	12
Renewables		85	107	104	106	121	136
<b>Heat production and consumption</b>							
Total heat production	1 000 toe	218	258	263	282	321	361
among which: in heating plants		158	168	143	162	201	235
Heat consumption		171	190	199	209	225	247
<i>of which: in industry</i>		24	25	25	26	26	28
in households and services		148	165	174	183	199	220
among which: in households		29	32	36	37	43	49

## 4.1 Crude oil and feedstocks

	NORGE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	156 716	153 616	151 779	140 134	128 753	119 385
Total imports	637	548	534	791	353	1 103
Total exports	139 746	132 777	131 587	114 604	108 568	98 511
Stock changes	-62	-886	289	-429	-510	925
Refinery intake	13 372	14 936	14 324	15 728	16 716	16 534
<b>Imports of Crude Oil by origin</b>						
<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	175	253	253	155	116	52
Saudi Arabia	-	-	-	-	-	-
Syria	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-

## 4.2 Petroleum products

	NORGE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	13 035	14 645	14 093	15 424	16 402	16 216
<i>among which:</i>						
Motor spirit	2 920	3 546	3 261	3 829	4 134	3 942
Kerosene and jet fuel	582	611	651	787	876	800
Naphtha	1 126	1 135	1 192	1 366	1 278	1 546
Gas/diesel oil	6 010	6 635	6 241	6 835	7 101	6 817
Residual fuel oil	1 503	1 702	1 845	1 610	1 957	2 066
Total imports	3 891	3 925	3 957	3 942	4 239	4 123
Total exports	12 815	13 509	13 620	14 409	15 528	16 195
Bunkers	666	565	518	698	504	663
Stock changes	22	-75	104	-196	-37	198
Gross inland consumption	-9 568	-10 224	-10 077	-11 361	-11 830	-12 537
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	113	179	85	89	93	117
United Kingdom	796	660	681	951	992	825
Norway	-	-	-	-	-	-
OPEC	33	-	21	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	434	310	425	313	195	263
Kerosene and jet fuel	601	285	265	163	244	193
Gas/diesel oil	536	777	819	576	916	820
Residual fuel oil	1 065	1 437	1 419	1 705	1 770	1 668
Exports by product						
<i>among which:</i>						
Motor spirit	2 047	2 411	2 168	2 512	2 967	3 013
Kerosene and jet fuel	116	101	99	151	240	225
Gas/diesel oil	2 443	2 727	2 725	2 458	2 960	2 952
Residual fuel oil	1 546	1 809	1 739	1 727	2 177	2 037
<b>Consumption</b>						
Inputs to electricity plants	2	3	1	3	2	3
Inputs to heating plants	33	56	21	13	21	21
Non-energy use	1 889	2 118	1 901	1 911	1 931	2 190
Final energy consumption	6 404	6 710	6 671	6 550	6 777	6 849
Industry						
<i>among which by product:</i>						
Gas/diesel oil	356	409	344	315	335	341
Residual fuel oil	201	233	224	219	218	145

	NORGE						
	in 1 000 t	2002	2003	2004	2005	2006	2007
Industry							
<i>among which by sector:</i>							
Iron&steel industry		15	21	12	13	11	11
Non-ferrous metals		40	58	38	33	31	35
Chemical industry		141	150	133	117	115	102
Non-met. mineral prod.		70	91	127	125	125	85
Food, drink, tobacco		119	171	106	83	93	93
Pulp, paper and print		136	153	150	131	144	102
Engineering & metal		45	56	38	38	39	34
Other industries		151	136	139	146	152	160
Transport		4 327	4 410	4 585	4 661	4 842	5 088
<i>among which:</i>							
Motor spirit		1 644	1 626	1 617	1 562	1 501	1 423
Jet fuel		622	509	587	618	678	680
Diesel oil		2 057	2 185	2 282	2 423	2 560	2 819
Services & households etc.		1 309	1 420	1 291	1 154	1 175	1 084
<i>among which:</i>							
Gas oil		1 133	1 217	1 101	989	1 003	932
Residual fuel oil		1	5	7	6	13	9
<b>Stocks at end of period</b>							
Crude oil and feedstocks		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-

## 5. Natural gas

<i>in TJ (GCV)</i>	NORGE					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	2 752 407	3 082 859	3 275 892	3 548 571	3 647 849	3 632 319
Total imports	-	-	-	-	-	-
Total exports	2 561 226	2 835 323	3 039 744	3 308 519	3 427 370	3 408 205
Stock changes	-	-	-	-	-	-
Gross inland consumption	191 181	247 536	236 148	240 052	220 479	224 114
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	1 191	1 801	2 256	2 268	2 712	4 960
Inputs to heat plants	131	313	234	339	477	572
Consumption of energy branch	142 428	149 119	159 390	194 351	193 502	178 053
Distribution losses	-	-	-	-	-	-
Non-energy use	17 074	24 173	27 467	24 191	24 767	20 277
Industry	5 951	7 901	8 819	8 568	9 207	9 203
<i>among which:</i>						
Iron&steel industry	-	-	40	74	110	74
Non-ferrous metals	1 149	1 199	1 260	1 835	2 122	2 354
Chemical industry	4 038	6 131	6 016	4 668	4 663	4 158
Non-met. mineral prod.	-	-	65	79	158	305
Food, drink, tobacco	337	145	759	943	1 161	1 387
Pulp, paper and print	278	261	406	330	394	218
Engineering & metal	7	25	51	319	269	313
Other industries	135	127	111	114	115	186
Transport	136	285	427	475	510	1 895
Services & households etc.	322	289	676	1 471	1 383	1 445
<i>among which:</i>						
Households	91	95	133	240	155	166
Services	231	194	274	495	500	597

## 6.1 Hard coal

	NORGE					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	2 132	2 944	2 904	1 471	2 395	3 995
Total imports	655	671	766	667	528	610
Total exports	2 050	2 697	2 741	1 666	2 266	3 371
Stock changes	81	-106	-15	323	-20	-556
Gross inland consumption	818	812	914	795	637	678
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	3
Colombia	88	101	105	97	72	98
Russia	27	113	70	39	76	33
South Africa	-	-	-	-	-	-
USA	24	8	33	17	-	5
<b>Consumption</b>						
Inputs to electricity plants	24	20	27	25	25	27
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Industry	753	730	812	691	586	635
<i>among which:</i>						
Iron&steel industry	346	313	386	314	280	332
Non-ferrous metals	-	-	-	-	-	-
Chemical industry	161	175	210	185	114	107
Non-met. mineral prod.	246	242	216	192	192	196
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	-	-	-	-	-	-
Services & households etc.	2	1	2	-	1	-

## 6.2 Coal derivatives and peat

		NORGE					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		1 608	1 530	2 068	1 846	2 210	2 070
Gasworks gas		-	-	-	-	-	-
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		375	366	429	369	318	370
<i>among which:</i>							
Iron & steel industry		322	314	378	315	270	314
Services & households		3	2	1	1	1	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		432	591	1 158	915	1 300	1 158
Gasworks gas		-	-	-	-	-	-
Inputs to electricity plants		475	451	323	464	482	481
Inputs to heat plants		11	2	11	22	12	16
Consumption of energy branch		-	-	-	-	-	-
Consumption in industry		432	591	1 158	915	1 300	1 158

## 7. Renewable energy sources

		NORGE					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	12 539	10 368	10 632	12 987	11 605	12 876
Hydro (excl. pumping)		11 128	9 081	9 361	11 665	10 262	11 516
Wind		6	19	22	44	55	77
Solar		-	-	-	-	-	-
Geothermal		-	-	-	-	-	-
Biomass		1 404	1 269	1 249	1 278	1 288	1 282
	<i>among which:</i>						
Wood, wood-waste		1 244	1 059	1 042	1 062	1 067	1 045
Municipal solid waste		134	184	183	191	195	211
Biogas		26	26	24	25	26	26
Gross inland consumption		12 557	10 425	10 664	13 008	11 641	12 940
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		169	219	234	228	249	265
	<i>among which:</i>						
Wood, wood-waste		52	56	67	70	86	86
Municipal waste		116	163	167	157	163	180
Biogas		0	0	0	0	0	0
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	1 254	1 091	1 036	1 059	1 065	1 071
	<i>by sector:</i>						
Industry		535	400	384	404	400	432
Services & households etc.		719	691	652	655	660	607
Transport		-	-	-	-	5	31
	<i>by source:</i>						
Biomass		1 254	1 091	1 036	1 059	1 065	1 071
	<i>among which:</i>						
Wood, wood-waste		1 211	1 058	1 008	1 011	1 012	993
Municipal waste		18	21	16	33	31	31
Biogas		26	12	12	15	16	16
Geothermal		-	-	-	-	-	-
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		-	-	-	-	-	-
Hydro with installed capacity < 1 MW		213	139	230	286	392	220
Hydro with installed capacity > 1 & <10 MW		4 443	3 254	4 479	5 594	4 108	4 907
Hydro with installed capacity > 10 MW		124 593	102 219	104 154	129 915	115 299	128 807
Wood, Wood-waste		216	263	297	293	335	317
Municipal waste		68	135	124	86	111	115
Biogas		-	-	-	-	-	-



		NORGE					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		6	7	7	7	8	:
Hydro with installed capacity < 1 MW		44	45	49	49	50	:
Hydro with installed capacity > 1 & <10 MW		851	915	950	943	954	:
Hydro with installed capacity > 10 MW		25 367	25 021	26 513	25 418	26 520	:
Wood, Wood-waste		101	107	95	79	79	:
Municipal waste		-	26	26	26	26	:
Biogas		-	-	-	-	-	:
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	-	-	-	-
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	-	-	-	-	-	-



# 1. Energy economy

## Key figures and energy indicators

		SCHWEIZ/SUISSE/SVIZZERA					
		2002	2003	2004	2005	2006	2007
<b>Energy statistics</b>							
Primary energy production	1000 toe	11 213	11 409	11 438	10 507	11 751	12 243
Net energy imports		15 047	14 739	15 168	16 244	16 106	14 120
Net oil imports		12 841	12 304	12 386	12 817	13 010	11 444
Net gas imports		2 486	2 628	2 711	2 783	2 706	2 635
Gross inland energy consumption		26 484	26 569	26 867	26 892	28 095	26 901
Final energy consumption		20 346	20 932	21 266	21 735	21 651	21 145
Industry		3 968	4 035	4 120	4 123	4 180	4 093
Transport		6 920	6 856	6 828	7 007	7 105	7 281
Services and households etc.		9 457	10 041	10 318	10 606	10 366	9 771
Gross electricity generation	GWh	67 185	67 449	65 596	59 612	64 038	67 950
Final electricity consumption		53 807	55 122	56 171	57 330	57 782	57 433
<b>Socio-economic statistics</b>							
Population	1000 per.	7 256	7 314	7 364	7 415	7 459	7 509
Total imports (current prices)	Mio EUR	111 913	107 836	115 314	126 638	138 511	145 533
among which:							
All energy commodities		-	-	-	-	-	-
Oil products		-	-	-	-	-	-
<b>Energy consumption per inhabitant</b>							
Gross inland consumption / capita	kgoe/cap.	3 650	3 633	3 648	3 627	3 767	3 583
Final energy consumption / capita		2 804	2 862	2 888	2 931	2 903	2 816
Household consumption / capita		783	816	819	838	817	748
Final electricity consumption / capita	kWh/cap.	7 416	7 537	7 628	7 732	7 747	7 649
<b>Energy dependency</b>							
Net energy imports / Gross consumption	in %	56.8	55.5	56.4	60.4	57.3	52.5
<b>Energy efficiency</b>							
Final energy consumption/Gross inland consumption	in %	76.8	78.8	79.2	80.8	77.1	78.6
Efficiency of thermal power stations		76.0	74.9	74.0	75.4	75.2	73.5

## 2. Energy balance

### Principal aggregates by product

<i>in 1 000 toe</i>	SCHWEIZ/SUISSE/SVIZZERA					
	2002	2003	2004	2005	2006	2007
<b>Primary production</b>						
Total	11 213	11 409	11 438	10 507	11 751	12 243
<i>among which:</i> Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Crude oil	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear heat	7 025	7 090	6 954	6 021	7 176	7 203
Hydro-electricity	3 028	2 994	2 902	2 685	2 662	3 031
Biomass	1 028	1 181	1 432	1 637	1 733	1 815
<b>Imports</b>						
Total	18 442	18 245	18 161	19 484	19 335	17 834
<i>among which:</i> Hard coal	82	57	119	67	102	150
Crude oil and feedstocks	4 996	4 737	5 349	5 001	5 715	4 851
Petroleum products	8 456	8 209	7 632	8 294	7 835	7 128
Natural Gas	2 486	2 628	2 711	2 783	2 706	2 635
Electricity	2 390	2 587	2 326	3 297	2 907	2 994
<b>Exports</b>						
Total	3 395	3 506	2 992	3 240	3 229	3 714
<i>among which:</i> Crude oil and feedstocks	-	-	-	-	-	-
Petroleum products	610	643	595	479	540	535
Natural gas	-	-	-	-	-	-
Electricity	2 778	2 854	2 387	2 751	2 674	3 171
<b>Gross inland consumption</b>						
Total	26 484	26 569	26 867	26 892	28 095	26 901
<i>among which:</i> Solid fuels	138	139	144	164	165	172
Crude oil and petrol. prod.	12 766	12 377	12 353	12 605	12 948	11 740
Natural gas	2 486	2 628	2 711	2 783	2 706	2 635
Nuclear Energy	7 025	7 090	6 954	6 021	7 176	7 203
Renewables	4 190	4 318	4 481	4 485	4 575	5 052
<b>Transformation input</b>						
Total	12 731	12 510	13 028	11 748	13 618	12 859
<i>among which:</i> Crude oil and feedstocks	5 048	4 726	5 360	5 008	5 686	4 895
Petroleum products	32	34	29	31	32	31
Hard coal	-	-	-	-	-	-
Lignite and peat	-	-	-	-	-	-
Renewables	468	496	520	524	571	608
<b>Transformation output</b>						
Total	8 000	7 732	8 337	7 676	8 749	7 962
<i>among which:</i> Electricity	2 602	2 629	2 590	2 280	2 678	2 682
Heat	361	383	400	413	418	408

		SCHWEIZ/SUISSE/SVIZZERA					
		2002	2003	2004	2005	2006	2007
<i>in 1 000 toe</i>							
<b>Final energy consumption</b>							
Total		20 346	20 932	21 266	21 735	21 651	21 145
<i>among which:</i>	Solid fuels	140	144	144	164	165	172
	Petroleum products	11 971	12 137	12 055	12 096	11 966	11 484
	Natural Gas	2 340	2 476	2 561	2 636	2 571	2 525
	Renewables	693	826	1 057	1 274	1 339	1 410
	Electricity	4 627	4 740	4 830	4 929	4 968	4 938
<b>Final energy consumption by sector</b>							
<b>Industry</b>							
Total		3 968	4 035	4 120	4 123	4 180	4 093
<i>among which:</i>	Solid fuels	136	140	134	155	156	162
	Petroleum Products	955	973	976	852	846	762
	Natural Gas	749	784	810	832	867	888
	Renewables	191	166	207	256	271	257
	Electricity	1 557	1 573	1 603	1 625	1 633	1 633
<b>Transport</b>							
Total		6 920	6 856	6 828	7 007	7 105	7 281
<i>among which:</i>	Motor spirit	3 865	3 845	3 776	3 782	3 666	3 631
	Diesel oil	1 399	1 479	1 592	1 742	1 886	2 012
	Jet fuel	1 412	1 269	1 198	1 214	1 272	1 357
	Electricity	240	256	253	256	266	264
<b>Services&amp;households</b>							
Total		9 457	10 041	10 318	10 606	10 366	9 771
<i>among which:</i>	Solid fuels	3	3	9	9	9	9
	Gas oil	4 173	4 418	4 346	4 399	4 184	3 620
	Natural Gas	1 591	1 691	1 751	1 804	1 704	1 637
	Renewables	502	660	848	1 011	1 060	1 142
	Electricity	2 830	2 910	2 974	3 048	3 069	3 041
	Heat	194	209	227	231	231	223

### 3.1 Electricity balance

	SCHWEIZ/SUISSE/SVIZZERA						
	<i>in GWh</i>	2002	2003	2004	2005	2006	2007
<b>Generation</b>							
Total gross generation		67 185	67 449	65 596	59 612	64 038	67 950
<i>among which:</i>							
Hydro		36 924	36 865	35 468	33 086	32 883	36 737
Wind		5	5	6	8	15	16
Geothermal		-	-	-	-	-	-
Nuclear		27 234	27 487	26 958	23 341	27 819	27 925
Conventional thermal		3 008	3 075	3 147	3 158	3 298	3 245
<i>of which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		234	249	210	191	182	186
Natural gas		890	926	945	869	786	750
Derived gases		-	-	-	-	-	-
Biomass		1 622	1 668	1 747	1 820	2 046	2 079
Industrial wastes		262	232	245	278	284	230
Total net generation		65 110	65 298	63 545	57 787	61 948	65 816
<b>Imports and exports</b>							
Total imports		27 800	30 084	27 056	38 346	33 803	34 818
Total exports		32 308	33 196	27 759	31 996	31 100	36 880
<b>Consumption and losses</b>							
Consumption of the energy branch		2 769	2 981	2 747	2 577	2 863	2 724
<i>of which:</i>							
Consumption for pumped-storage		708	847	713	771	796	617
Network losses		4 391	4 188	4 255	4 195	4 172	4 244
Final energy consumption		53 807	55 122	56 171	57 330	57 782	57 433
<i>of which:</i>							
Industry		18 106	18 292	18 642	18 897	18 997	18 994
<i>among which:</i>							
Iron&steel industry		1 217	1 360	1 380	1 385	1 633	1 652
Non-ferrous metals		1 152	1 145	1 283	1 111	376	338
Chemical industry		3 507	3 490	3 504	3 752	3 771	3 654
Non-met. mineral prod.		906	933	951	1 000	1 115	1 082
Food, drink, tobacco		1 771	1 732	1 816	1 777	1 908	1 903
Pulp, paper and print		2 785	2 749	2 783	2 562	2 516	2 556
Engineering & metal		3 057	3 126	3 100	3 199	3 487	3 410
Other industries		3 265	3 365	3 437	3 746	3 843	4 072
Transport		2 786	2 983	2 939	2 983	3 092	3 075
Services & households etc.		32 915	33 847	34 590	35 450	35 693	35 364
<i>among which:</i>							
Households		16 225	16 678	17 113	17 625	17 703	17 472

## 3.2 Electrical capacity, fuel inputs and heat

		SCHWEIZ/SUISSE/SVIZZERA					
		2002	2003	2004	2005	2006	2007
<b>Net electrical capacity</b>							
Total installed capacity	<i>MW</i>	18 988	19 023	19 059	19 097	19 086	19 184
<b>by source:</b>							
Conventional thermal		813	833	860	855	844	851
<i>of which:</i>							
Steam		436	452	486	478	557	565
Gas turbine		49	49	49	49	46	46
Combined cycle		245	250	243	246	92	91
Internal combustion		-	-	-	-	146	146
Nuclear		3 220	3 220	3 220	3 220	3 220	3 220
Hydro		14 950	14 965	14 970	15 010	15 010	15 101
<i>among which:</i>							
Pumped storage		1 655	1 655	1 655	1 655	1 655	1 636
Wind		5	5	9	12	12	12
Geothermal		-	-	-	-	-	-
Other		-	-	-	-	-	-
<b>by producer type:</b>							
Public system		17 126	17 169	17 173	17 208	18 282	18 428
Autoproducers		1 882	1 875	1 909	1 915	792	790
<b>Fuel consumption in electricity and heat production</b>							
Conventional thermal power plants	<i>1 000 toe</i>	645	682	702	706	752	758
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		30	32	27	28	29	29
Natural gas		123	134	131	127	116	90
Renewables		457	486	511	514	570	607
Heating plants		10	10	10	10	1	1
<i>among which:</i>							
Hard coal		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Petroleum products		-	-	-	-	-	-
Natural gas		-	-	-	-	-	-
Renewables		10	10	10	10	1	1
<b>Heat production and consumption</b>							
Total heat production	<i>1 000 toe</i>	361	383	400	413	418	408
<i>among which: in heating plants</i>		105	112	124	128	107	102
Heat consumption		342	353	366	382	383	369
<i>of which: in industry</i>		148	144	139	152	152	146
in households and services		194	209	227	231	231	223
<i>among which: in households</i>		121	125	132	140	140	135

## 4.1 Crude oil and feedstocks

	SCHWEIZ/SUISSE/SVIZZERA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	4 876	4 633	5 219	4 876	5 563	4 722
Total exports	-	-	-	-	-	-
Stock changes	2	-23	11	5	-28	45
Refinery intake	4 927	4 622	5 229	4 882	5 535	4 765
<b>Imports of Crude Oil by origin</b>						
<i>by region of origin:</i>						
OPEC	-	-	-	-	-	-
Near and Middle East	-	-	-	-	-	-
Africa	-	-	-	-	-	-
<i>by country of origin:</i>						
Algeria	611	283	455	450	197	3
Irak	-	-	-	-	-	-
Iran	365	401	394	25	-	-
Kazakhstan	162	82	195	283	748	884
Kuwait	-	-	-	-	-	-
Libya	2 168	2 457	2 368	2 691	2 660	2 558
Mexico	-	-	-	-	-	-
Nigeria	1 499	1 144	1 323	1 065	1 550	549
Norway	-	-	138	84	56	55
Russia	-	-	-	-	-	-
Saudi Arabia	-	-	-	156	89	-
Syria	-	-	-	10	-	-
United Arab Emirates	-	-	-	-	-	-



## 4.2 Petroleum products

	SCHWEIZ/SUISSE/SVIZZERA					
	2002	2003	2004	2005	2006	2007
<i>in 1 000 t</i>						
<b>Production and supply</b>						
Total refinery output	4 915	4 614	5 214	4 855	5 500	4 740
<i>among which:</i>						
Motor spirit	1 178	1 072	1 362	1 268	1 465	1 280
Kerosene and jet fuel	406	344	350	212	228	183
Naphtha	-3	15	-	-	1	7
Gas/diesel oil	2 011	1 893	2 148	2 170	2 573	2 172
Residual fuel oil	743	759	701	611	583	587
Total imports	8 240	7 996	7 444	8 102	7 662	6 964
Total exports	634	670	619	494	556	549
Bunkers	8	10	9	12	9	9
Stock changes	-65	106	-33	-205	-20	254
Gross inland consumption	7 533	7 422	6 783	7 391	7 077	6 660
<b>Imports and exports</b>						
Imports by origin						
<i>among which:</i>						
Netherlands	2 814	2 266	1 862	1 932	1 719	1 272
United Kingdom	1	-	-	1	1	2
Norway	-	-	-	-	-	-
OPEC	-	-	-	-	-	-
Imports by product						
<i>among which:</i>						
Motor spirit	2 647	2 694	2 393	2 330	2 011	2 139
Kerosene and jet fuel	973	911	811	971	1 016	1 147
Gas/diesel oil	4 242	4 028	3 831	4 347	4 160	3 156
Residual fuel oil	-	2	-	-	-	-
Exports by product						
<i>among which:</i>						
Motor spirit	1	-	1	-	-	-
Kerosene and jet fuel	-	-	-	-	-	-
Gas/diesel oil	-	9	4	2	3	17
Residual fuel oil	557	581	549	427	475	447
<b>Consumption</b>						
Inputs to electricity plants	30	32	27	28	29	29
Inputs to heating plants	-	-	-	-	-	-
Non-energy use	550	534	564	577	626	603
Final energy consumption	11 629	11 795	11 718	11 758	11 634	11 159
Industry						
<i>among which by product:</i>						
Gas/diesel oil	725	736	719	728	697	659
Residual fuel oil	120	129	142	112	132	91

		SCHWEIZ/SUISSE/SVIZZERA					
<i>in 1 000 t</i>		2002	2003	2004	2005	2006	2007
<b>Industry</b>							
<i>among which by sector:</i>							
Iron&steel industry		10	12	12	13	10	10
Non-ferrous metals		4	4	2	4	2	2
Chemical industry		85	93	97	92	103	90
Non-met. mineral prod.		102	102	124	98	88	73
Food, drink, tobacco		145	144	129	120	111	105
Pulp, paper and print		84	90	102	90	114	85
Engineering & metal		179	185	183	169	158	150
Other industries		301	302	291	234	226	215
<b>Transport</b>							
<i>among which:</i>							
Motor spirit		3 678	3 659	3 593	3 599	3 488	3 455
Jet fuel		1 375	1 236	1 166	1 182	1 239	1 321
Diesel oil		1 375	1 454	1 565	1 712	1 854	1 977
<b>Services &amp; households etc.</b>							
<i>among which:</i>							
Gas oil		4 101	4 342	4 271	4 323	4 112	3 558
Residual fuel oil		-	-	-	-	-	-
<b>Stocks at end of period</b>							
Crude oil and feedstocks		74	97	86	81	109	64
Petroleum products		4 646	4 540	4 573	4 778	4 798	4 544

## 5. Natural gas

<i>in TJ (GCV)</i>	SCHWEIZ/SUISSE/SVIZZERA					
	2002	2003	2004	2005	2006	2007
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	115 643	122 238	126 105	129 460	125 878	122 562
Total exports	-	-	-	-	-	-
Stock changes	-	-	-	-	-	-
Gross inland consumption	115 643	122 238	126 105	129 460	125 878	122 562
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Algeria	-	-	-	-	-	-
Egypt	-	-	-	-	-	-
Libya	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-
Norway	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	-	-	-
Russia	-	-	-	-	-	-
<b>Consumption</b>						
Inputs to electricity plants	5 734	6 218	6 077	5 890	5 376	4 190
Inputs to heat plants	-	-	-	-	-	-
Consumption of energy branch	-	-	-	-	-	-
Distribution losses	1 039	855	883	943	919	911
Non-energy use	-	-	-	-	-	-
Industry	34 865	36 484	37 699	38 726	40 311	41 299
<i>among which:</i>						
Iron&steel industry	3 179	3 326	3 166	2 895	3 739	3 938
Non-ferrous metals	140	146	246	949	1 194	1 013
Chemical industry	11 458	11 990	12 386	13 598	13 035	13 648
Non-met. mineral prod.	1 391	1 456	1 890	1 779	2 525	2 547
Food, drink, tobacco	5 601	5 861	6 267	6 778	8 143	7 831
Pulp, paper and print	7 273	7 611	7 106	6 397	5 410	5 717
Engineering & metal	2 266	2 371	2 657	3 023	2 854	2 776
Other industries	3 029	3 170	3 322	2 767	2 712	3 035
Transport	-	-	-	-	-	-
Services & households etc.	74 005	78 681	81 446	83 901	79 272	76 162
<i>among which:</i>						
Households	41 735	44 533	46 016	47 278	45 607	43 686
Services	32 270	34 148	35 430	36 623	33 665	32 476

## 6.1 Hard coal

	SCHWEIZ/SUISSE/SVIZZERA					
	in 1 000 t	2002	2003	2004	2005	2006
<b>Primary production and supply</b>						
Primary production	-	-	-	-	-	-
Total imports	122	85	177	100	152	224
Total exports	-	-	-	-	2	-
Stock changes	49	94	14	97	16	-51
Gross inland consumption	171	179	191	197	166	173
<b>Imports</b>						
Imports by origin						
<i>among which:</i>						
Australia	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Russia	3	3	3	3	4	5
South Africa	111	76	163	91	142	181
USA	-	-	-	-	-	-
<b>Consumption</b>						
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.	157	166	169	176	146	150
Food, drink, tobacco	-	-	-	-	-	-
Pulp, paper and print	-	-	-	-	-	-
Engineering & metal	-	-	-	-	-	-
Other industries	11	15	8	7	6	9
Services & households etc.	5	5	14	14	14	14

## 6.2 Coal derivatives and peat

		SCHWEIZ/SUISSE/SVIZZERA					
		2002	2003	2004	2005	2006	2007
<b>Production</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
Lignite and peat		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<b>Derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		90	100	120	120	136	96
<b>Consumption</b>							
<b>Solid fuels</b>	<i>in 1 000 t</i>						
Coke		32	25	20	20	19	22
<i>among which:</i>							
Iron & steel industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
Patent Fuel		-	-	-	-	-	-
<i>among which:</i>							
Services & households		-	-	-	-	-	-
Lignite and peat		4	4	4	39	86	85
<i>among which:</i>							
Industry		4	4	4	39	86	85
Services & households		-	-	-	-	-	-
Brown coal briquettes		-	-	-	-	-	-
<i>among which:</i>							
Industry		-	-	-	-	-	-
Services & households		-	-	-	-	-	-
<b>Total derived gases</b>	<i>in TJ (GCV)</i>						
Coke-oven gas		-	-	-	-	-	-
Blast-furnace gas		-	-	-	-	-	-
Gasworks gas		89	99	119	119	135	95
Inputs to electricity plants		-	-	-	-	-	-
Inputs to heat plants		-	-	-	-	-	-
Consumption of energy branch		-	-	-	-	-	-
Consumption in industry		8	9	11	11	12	8

## 7. Renewable energy sources

		SCHWEIZ/SUISSE/SVIZZERA					
		2002	2003	2004	2005	2006	2007
<b>Primary production</b>							
Total primary production	<i>in 1000 toe</i>	4 188	4 318	4 484	4 486	4 575	5 040
Hydro (excl. pumping)		3 028	2 994	2 902	2 685	2 662	3 031
Wind		0	0	1	1	1	1
Solar		23	24	25	26	28	30
Geothermal		109	119	124	137	151	163
Biomass		1 028	1 181	1 432	1 637	1 733	1 815
	<i>among which:</i>						
Wood, wood-waste		538	540	589	733	768	740
Municipal solid waste		430	582	782	839	897	1 000
Biogas		59	59	58	58	60	63
Gross inland consumption		4 190	4 318	4 481	4 485	4 575	5 052
<b>Inputs to electricity and heat production</b>							
	<i>in 1000 toe</i>						
Geothermal		-	-	-	-	-	-
Biomass		468	496	520	524	571	608
	<i>among which:</i>						
Wood, wood-waste		13	20	23	22	22	52
Municipal waste		430	452	475	478	524	529
Biogas		24	24	23	23	24	27
<b>Final consumption of RES (excl. electricity)</b>							
Total	<i>in 1000 toe</i>	693	826	1 057	1 274	1 339	1 410
	<i>by sector:</i>						
Industry		191	166	207	256	271	257
Services & households etc.		502	660	848	1 011	1 060	1 142
Transport		-	-	3	7	8	12
	<i>by source:</i>						
Biomass		562	685	909	1 112	1 162	1 219
	<i>among which:</i>						
Wood, wood-waste		527	520	564	710	746	700
Municipal waste		-	130	307	360	373	471
Biogas		35	35	35	35	36	37
Geothermal		109	119	124	137	151	163
<b>Electricity generation from RES</b>							
	<i>in GWh</i>						
Solar photovoltaics		14	17	17	19	23	27
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		35 214	34 819	33 748	31 226	30 959	35 250
Wood, Wood-waste		56	72	74	77	72	128
Municipal waste		1 412	1 443	1 526	1 594	1 816	1 780
Biogas		154	153	147	149	158	171

		SCHWEIZ/SUISSE/SVIZZERA					
		2002	2003	2004	2005	2006	2007
<b>Electrical capacities of RES</b>							
	<i>in MW</i>						
Solar photovoltaics (peak)		20	21	23	26	29	34
Hydro with installed capacity < 1 MW		-	-	-	-	-	-
Hydro with installed capacity > 1 & <10 MW		-	-	-	-	-	-
Hydro with installed capacity > 10 MW		13 295	13 310	13 315	13 355	13 355	13 465
Wood, Wood-waste		-	-	-	-	-	-
Municipal waste		262	282	294	302	335	-
Biogas		8	7	7	7	4	3
<b>Liquid biofuels</b>							
Production	<i>1000 t</i>	-	-	3	8	9	14
<b>Solar Panels</b>							
Solar panel surface	<i>1000 m<sup>2</sup></i>	1 326	1 356	1 383	1 417	1 456	1 509





European Commission

**Energy – Yearly statistics 2007**

Luxembourg: Office for Official Publications of the European Communities

2009 — 469 pp. — 21 x 29.7 cm

ISBN 978-92-79-12787-8

ISSN 1830-7833







## Energy

### Yearly statistics 2007

This publication contains information on EU-27, EU Member States and Candidate Countries, as well as Iceland and Norway, in the form of time series. The first chapter presents the principal components of the energy balance and the evolution of the main energy indicators since 2002. The second chapter presents trends in energy supply and consumption, by fuel. Further details on the evolution of the use of each commodity are covered in chapters 3-7.

<http://ec.europa.eu/eurostat>



Publications Office

ISBN 978-92-79-12787-8



9 789279 127878