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Commission

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EU energy in figures

STATISTICAL
POCKETBOOK
2013



Energy

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Introduction

The energy sector is one of the pillars of growth, competitiveness and development in modern economies. To keep up with the ongoing transformation of the energy sector in Europe we need to have a continuous supply of accurate and up-to-date data.

This publication provides an overview of the most relevant annual energy-related statistics for the European Union as a whole and for each of its Member States (as of June 2013*).

The data contained in this pocketbook is drawn from several sources; the European Commission's services; international organisations, such as the European Environment Agency and the International Energy Agency and, where no data is currently available, from the European Commission's estimations. The indicator calculations follow the methodology established by the European Commission - DG Energy.

The publication is divided into five parts:

- Part 1. Energy sector at world and EU level, including main policy indicators.
- Part 2. Main energy indicators, at EU and Member States level.
- Part 3. Socio-economic indicators in the EU.
- Part 4. Impact of the energy sector on the environment.
- Part 5. Main energy indicators on a country-integrated view.

This publication was produced using the most recent statistics available. However, as statistics are constantly being updated, corrections and updates will be 'disseminated'. This will take place exclusively via the "Country Statistics" page at: http://ec.europa.eu/energy/observatory/countries/countries_en.htm.

Recommended sources of data:

European Commission websites:

DG Energy

Pocketbook: http://ec.europa.eu/energy/observatory/statistics/statistics_en.htm
Country statistics: http://ec.europa.eu/energy/observatory/countries/countries_en.htm
Market observatory: http://ec.europa.eu/energy/observatory/index_en.htm

Eurostat

Eurobase: http://epp.eurostat.ec.europa.eu/portal/page/portal/statistics/search_database

DG Taxation and Customs Union

Online databases: http://ec.europa.eu/taxation_customs/common/databases/index_en.htm

DG Economic and Financial Affairs

AMECO: http://ec.europa.eu/economy_finance/db_indicators/ameco/index_en.htm

Websites of other organisations:

European Environment Agency

Data and maps: <http://www.eea.europa.eu/>

International Energy Agency

Statistics and balances: <http://www.iea.org/stats/index.asp>

Comments on this publication and suggestions for improvement are most welcome, and may be sent to ener-emos@ec.europa.eu, with the keyword 'Pocketbook' as subject.

* Before Croatia's accession to the EU

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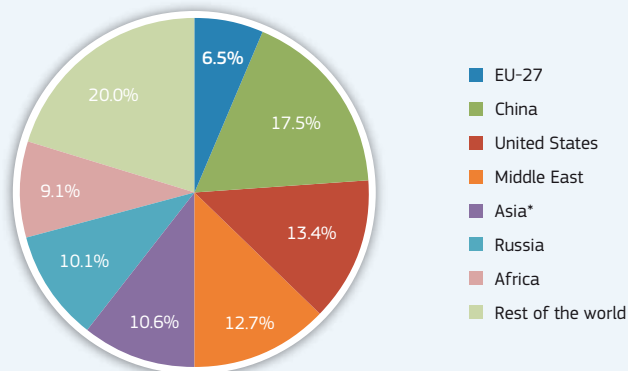
Energy in the World (Overview)

World Energy Production by Region

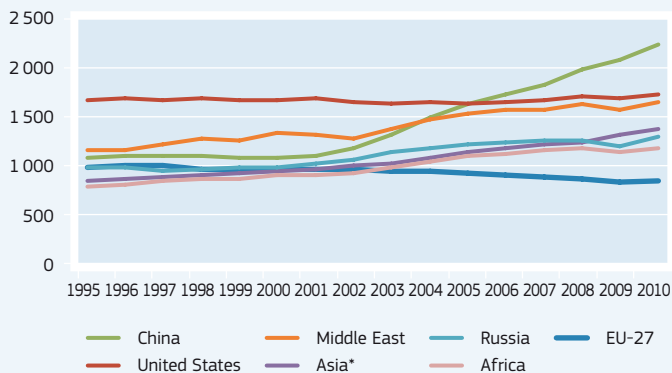
Mtoe	1995	2000	2005	2009	2010	2010 (%)
EU-27	961	946	901	817	835	6.5%
China	1 066	1 064	1 623	2 085	2 253	17.5%
United States	1 659	1 667	1 631	1 686	1 725	13.4%
Middle East	1 140	1 329	1 530	1 561	1 636	12.7%
Asia*	826	934	1 121	1 303	1 360	10.6%
Russia	968	978	1 203	1 186	1 293	10.1%
Africa	767	883	1 081	1 135	1 174	9.1%
Rest of the World	1 884	2 178	2 441	2 499	2 564	20.0%
World	9 271	9 980	11 532	12 273	12 840	100.0%

World Energy Production by Region (%)

Total 2010 = 12 840 Mtoe



World Energy Production by Region (Mtoe)



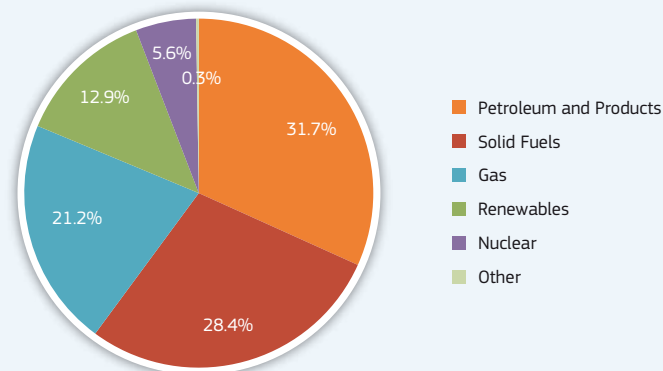
* Excluding China – Source: IEA, April 2013
Methodology and Notes: See Appendix 13 – No 1

World Energy Production by Fuel

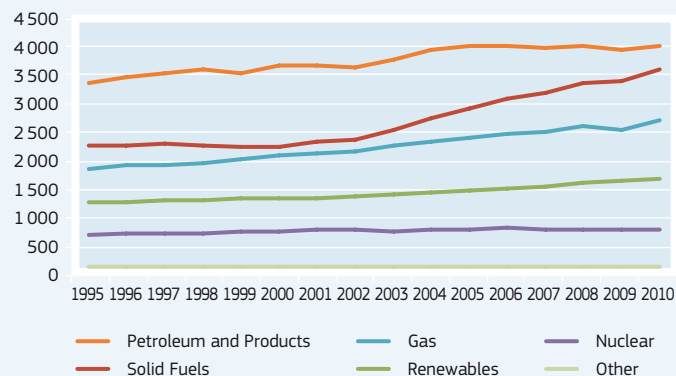
Mtoe	1995	2000	2005	2009	2010	2010 (%)
Petroleum and Products	3 395	3 701	4 057	3 994	4 077	31.7%
Solid Fuels	2 234	2 229	2 937	3 436	3 641	28.4%
Gas	1 815	2 063	2 373	2 529	2 719	21.2%
Renewables	1 202	1 290	1 422	1 585	1 652	12.9%
Nuclear	608	676	722	703	719	5.6%
Other	17	22	21	26	32	0.3%
Total	9 271	9 980	11 532	12 273	12 840	100.0%

World Energy Production by Fuel (%)

Total 2010 = 12 840 Mtoe



World Energy Production by Fuel (Mtoe)



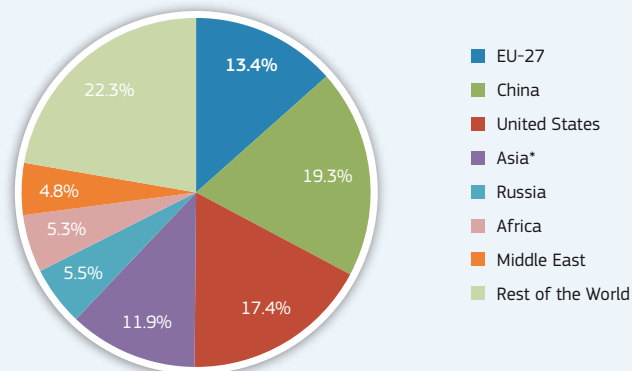
Source: IEA, April 2013
Methodology and Notes: See Appendix 13 – No 1

World Gross Inland Consumption by Region

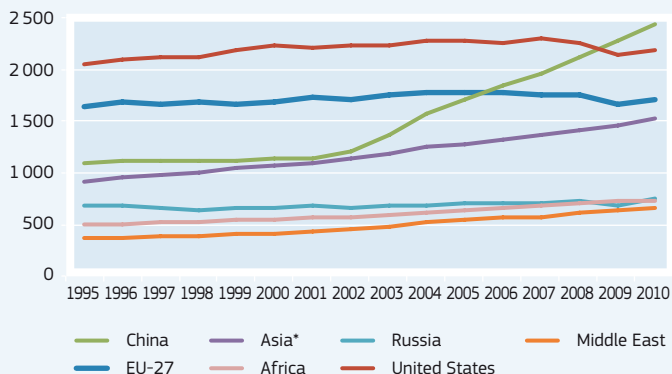
Mtoe	1995	2000	2005	2009	2010	2010 (%)
EU-27	1 637	1 685	1 780	1 654	1 714	13.4%
China	1 058	1 108	1 709	2 301	2 469	19.3%
United States	2 067	2 273	2 319	2 165	2 216	17.4%
Asia*	880	1 052	1 259	1 461	1 524	11.9%
Russia	637	619	652	647	702	5.5%
Africa	438	496	596	676	682	5.3%
Middle East	309	358	488	584	614	4.8%
Rest of the World	2 209	2 418	2 649	2 684	2 844	22.3%
World	9 235	10 009	11 452	12 172	12 765	100.0%

World Gross Inland Consumption by Region (%)

Total 2010 = 12 765 Mtoe



World Gross Inland Consumption by Region (Mtoe)



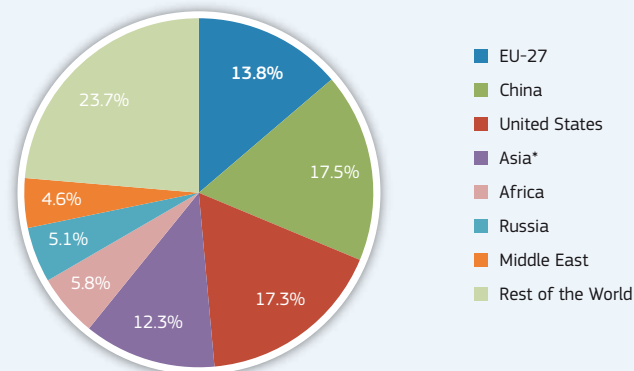
* Excluding China – Source: IEA, April 2013
Methodology and Notes: See Appendix 13 – No 1

World Final Energy Consumption by Region

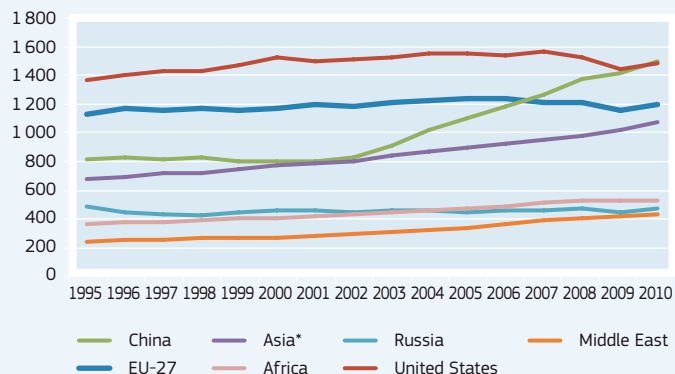
Mtoe	1995	2000	2005	2009	2010	2010 (%)
EU-27	1 121	1 169	1 239	1 151	1 194	13.8%
China	793	778	1 101	1 434	1 522	17.5%
United States	1 378	1 546	1 570	1 459	1 500	17.3%
Asia*	652	749	880	1 016	1 065	12.3%
Africa	321	374	440	501	503	5.8%
Russia	460	419	412	418	446	5.1%
Middle East	194	232	302	386	398	4.6%
Rest of the World	1 633	1 773	1 933	1 946	2 053	23.7%
World	6 553	7 040	7 876	8 310	8 682	100.0%

World Final Energy Consumption by Region (%)

Total 2010 = 8 682 Mtoe



Final Energy Consumption by Region (Mtoe)



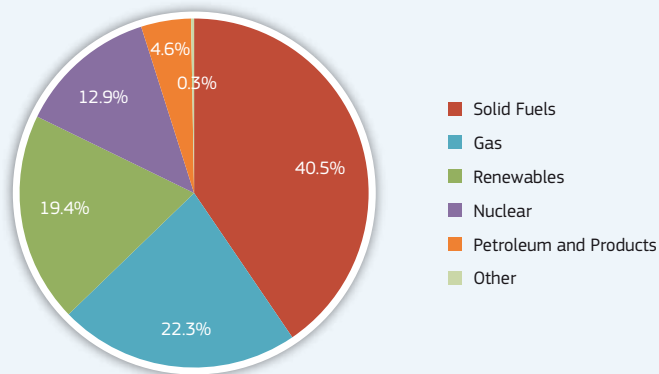
* Excluding China – Source: IEA, April 2013
Methodology and Notes: See Appendix 13 – No 1

World Electricity Generation by Fuel

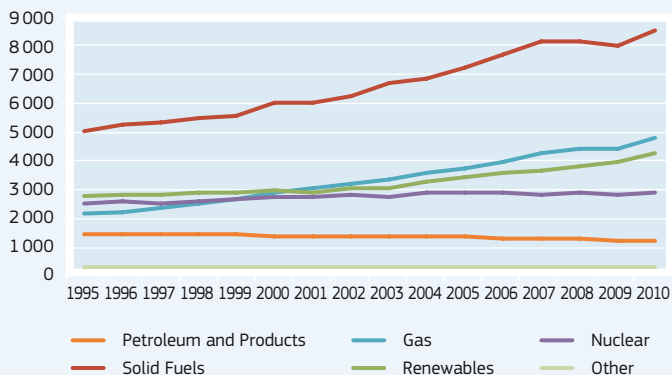
TWh	1995	2000	2005	2009	2010	2010 (%)
Solid Fuels	4 994	6 001	7 333	8 110	8 663	40.5%
Gas	2 002	2 732	3 665	4 371	4 768	22.3%
Renewables	2 638	2 842	3 291	3 868	4 160	19.4%
Nuclear	2 332	2 591	2 768	2 696	2 756	12.9%
Petroleum and Products	1 238	1 207	1 145	996	989	4.6%
Other	25	37	46	47	60	0.3%
Total	13 230	15 410	18 248	20 087	21 397	100.0%

World Electricity Generation by Fuel (%)

Total 2010 = 21 397 TWh



World Electricity Generation by Fuel (TWh)

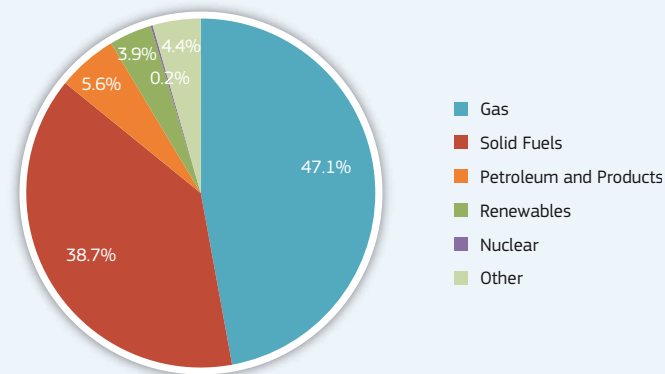


World Heat Generation by Fuel

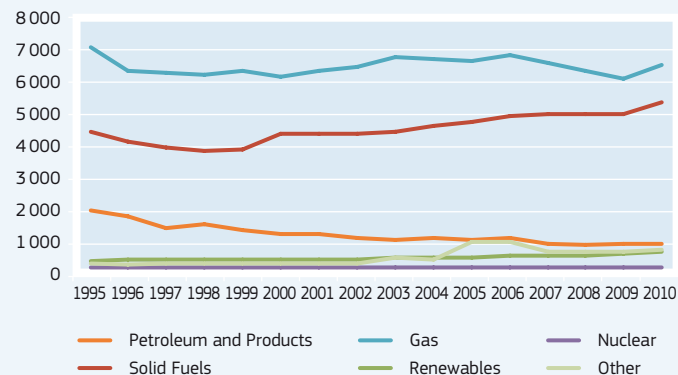
PJ	1995	2000	2005	2009	2010	2010 (%)
Gas	7 167	6 249	6 739	6 135	6 598	47.1%
Solid Fuels	4 409	4 350	4 736	4 993	5 422	38.7%
Petroleum and Products	1 864	1 103	922	832	777	5.6%
Renewables	249	291	389	485	553	3.9%
Nuclear	20	19	21	28	27	0.2%
Other	157	198	844	567	623	4.4%
Total	13 866	12 210	13 650	13 039	14 000	100.0%

World Heat Generation by Fuel (%)

Total 2010 = 14 000 PJ

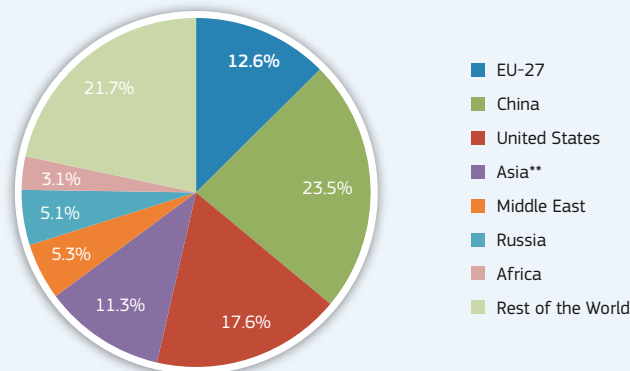
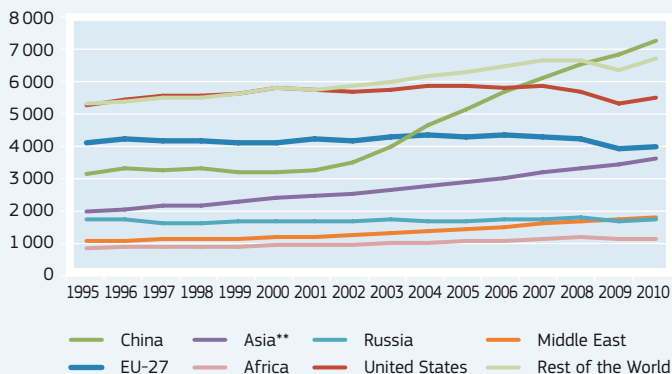


World Heat Generation by Fuel (PJ)



World CO₂ Emissions* by Region

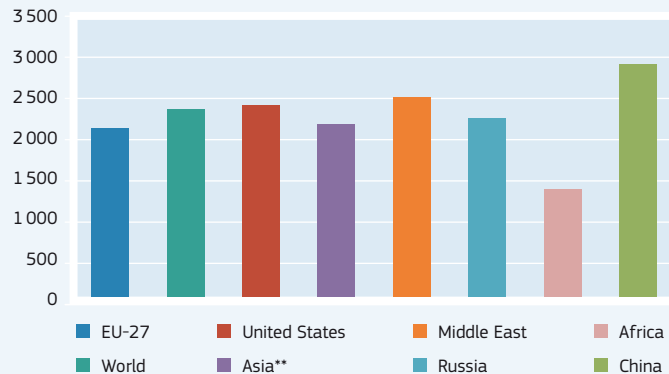
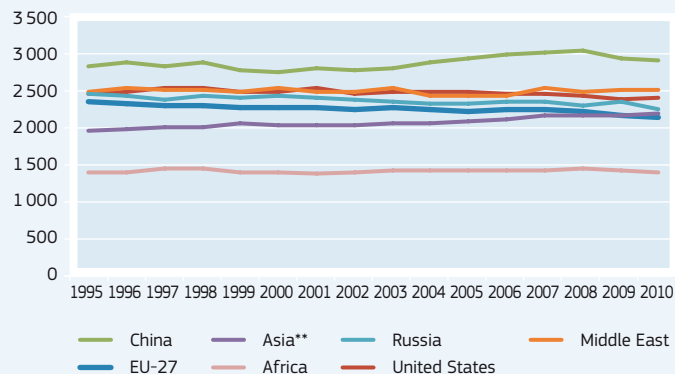
Mio ton CO ₂ (Total)	1995	2000	2005	2009	2010	2010 (%)
EU-27	4 045	4 079	4 265	3 853	3 941	12.6%
China	3 046	3 111	5 168	6 932	7 362	23.5%
United States	5 275	5 844	5 922	5 325	5 516	17.6%
Asia**	1 797	2 252	2 769	3 338	3 536	11.3%
Middle East	846	982	1 279	1 577	1 648	5.3%
Russia	1 589	1 519	1 531	1 538	1 605	5.1%
Africa	635	719	863	968	967	3.1%
Rest of the World	5 318	5 842	6 369	6 447	6 801	21.7%
World	22 550	24 348	28 167	29 976	31 375	100.0%

World CO₂ Emissions by Region (%)Total 2010 = 31 375 Mio ton CO₂World CO₂ Emissions by Region (Mio ton CO₂)

* Sectoral Approach, Including Bunkers ** Excluding China – Source: IEA, April 2013
Methodology and Notes: See Appendix 13 – No 1

World CO₂ Intensity* by Region

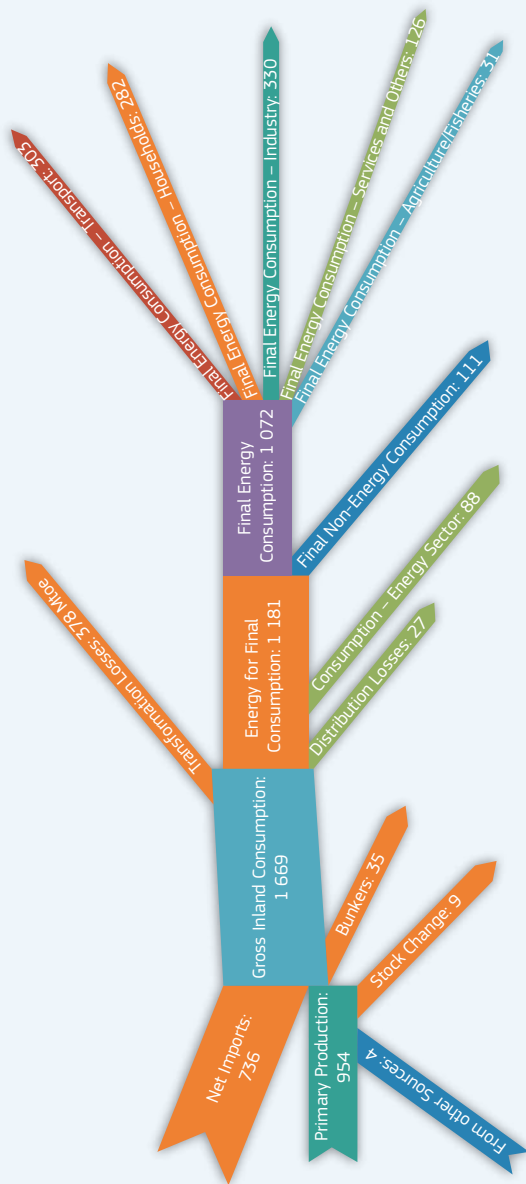
Kg CO ₂ per toe (Average)	1995	2000	2005	2009	2010
EU-27	2 349	2 273	2 235	2 159	2 135
China	2 857	2 777	2 986	2 976	2 939
United States	2 486	2 507	2 489	2 395	2 422
Asia**	1 948	2 029	2 082	2 158	2 185
Middle East	2 506	2 551	2 455	2 540	2 520
Russia	2 473	2 431	2 327	2 350	2 254
Africa	1 361	1 369	1 386	1 377	1 364
World	2 365	2 349	2 374	2 378	2 372

World CO₂ Intensity by Region (kg CO₂ per toe)Average 2010 = 2 378 (Kg CO₂ per toe)World CO₂ Intensity by Region (kg CO₂ per toe)

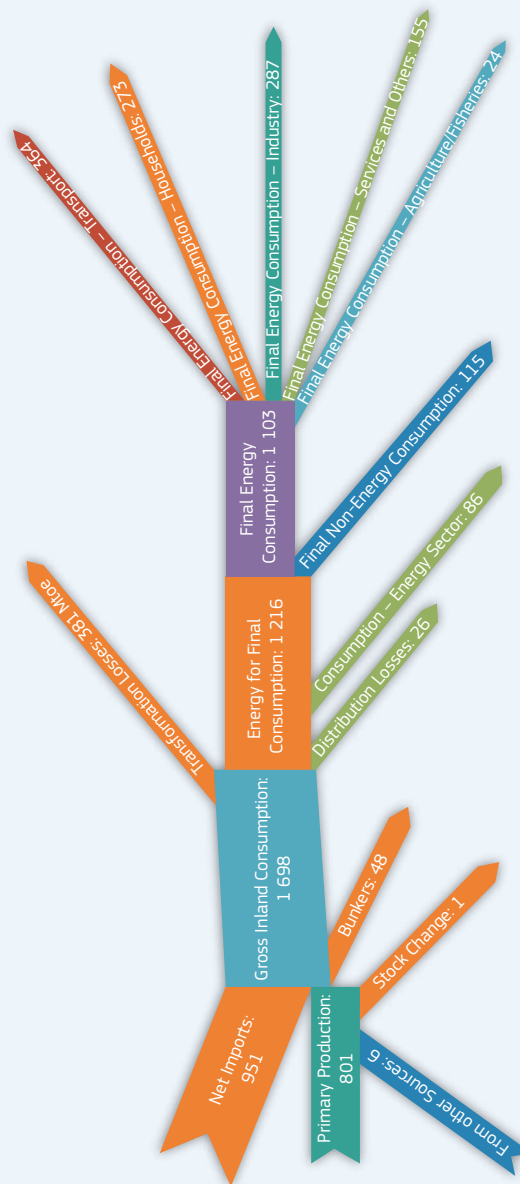
* Per Unit of Gross Inland Consumption ** Excluding China – Source: IEA, April 2013
Methodology and Notes: See Appendix 13 – No 1

Energy in the EU (Overview)

EU* Energy Flow in 1995 (Mtoe)



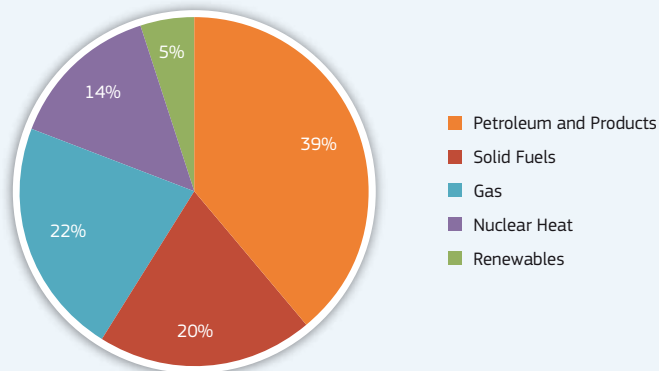
EU Energy Flow in 2011 (Mtoe)



EU-27 Gross Inland Consumption

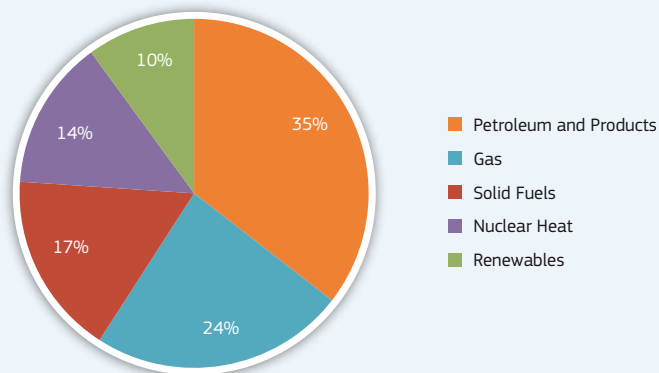
Energy Mix (%)

Total 1995: 1 669 Mtoe



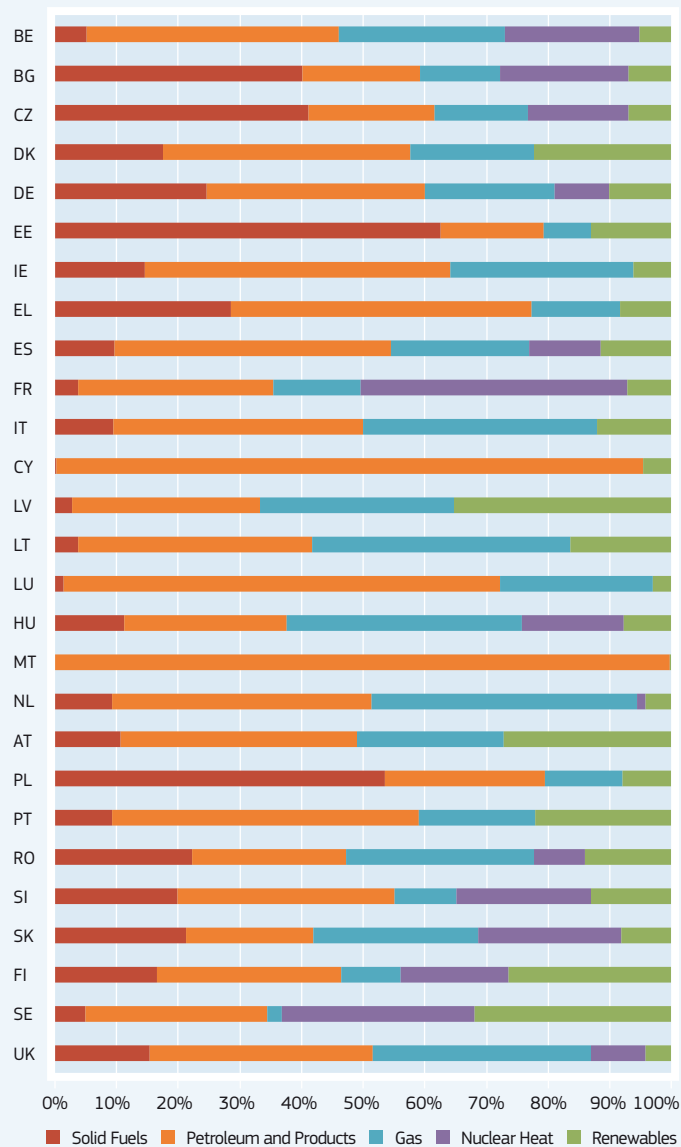
EU-27 Gross Inland Consumption – Energy Mix (%)

Total 2011: 1 698 Mtoe



EU-27 Gross Inland Consumption

Energy Mix in 2011 (%)

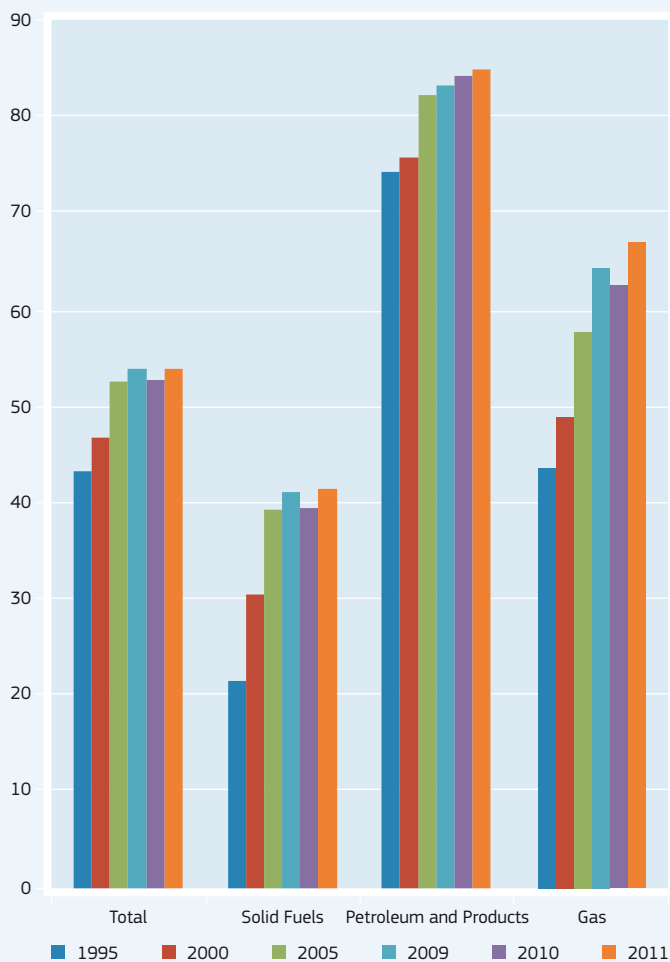


EU-27 Energy Import Dependency

By Fuel

Import Dependency (%)	1995	2000	2005	2009	2010	2011
Total	43.2%	46.7%	52.4%	53.8%	52.6%	53.8%
Solid Fuels	21.4%	30.5%	39.2%	41.1%	39.4%	41.4%
Petroleum and Products	74.3%	75.7%	82.2%	83.2%	84.1%	84.9%
Gas	43.5%	48.9%	57.7%	64.3%	62.4%	67.0%

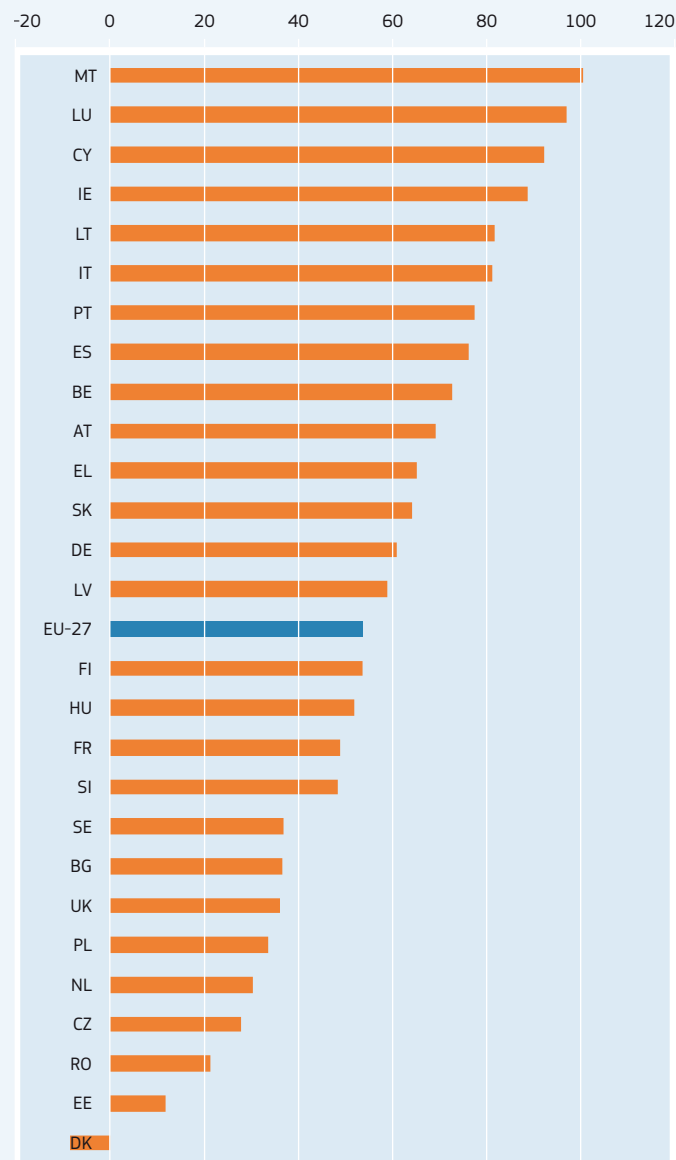
EU-27 Energy Import Dependency – By Fuel, 1995-2011 (%)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 1

EU-27 Energy Import Dependency

In 2011 (%)

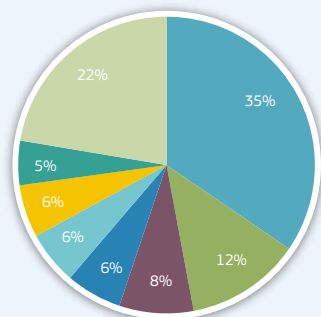


Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 1

EU-27 Imports* by Country of Origin, 2011

Imports* of Crude Oil (kton)

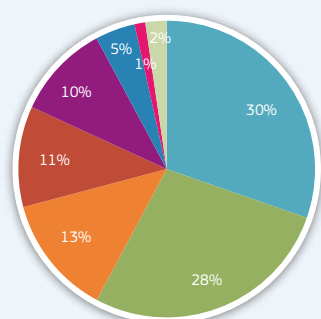
Total= 508 477



- Russia
- Norway
- Saudi Arabia
- Nigeria
- Iran
- Kazakhstan
- Azerbaijan
- Other

Imports* of Natural Gas (TJ – GCV)

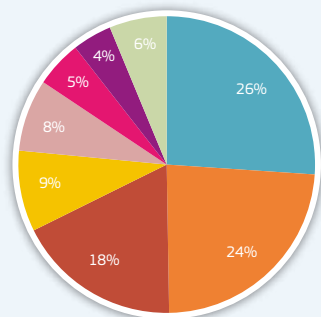
Total= 13 522 333



- Russia
- Norway
- Algeria
- Qatar
- Not specified
- Nigeria
- Egypt
- Other

Imports* of Solid Fuels (kton)

Total= 202 333



- Russia
- Colombia
- United States
- Australia
- South Africa
- Indonesia
- Not Specified
- Other

* From Extra-EU – Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 1

EU 2020 Targets Renewable Energy*

%	2011 RES Share	2011/2012 RES Interim Target	2020 RES Target
EU-27	13.0%	10.7%	20.0%
BE**	4.1%	4.4%	13.0%
BG	13.8%	10.7%	16.0%
CZ	9.4%	7.5%	13.0%
DK	23.1%	19.6%	30.0%
DE	12.3%	8.2%	18.0%
EE	25.9%	19.4%	25.0%
IE	6.7%	5.7%	16.0%
EL	11.6%	9.1%	18.0%
ES	15.1%	10.9%	20.0%
FR	11.5%	12.8%	23.0%
IT	11.5%	7.6%	17.0%
CY	5.4%	4.9%	13.0%
LV	33.1%	34.0%	40.0%
LT	20.3%	16.6%	23.0%
LU	2.9%	2.9%	11.0%
HU**	8.1%	6.0%	13.0%
MT	0.4%	2.0%	10.0%
NL	4.3%	4.7%	14.0%
AT	30.9%	25.4%	34.0%
PL	10.4%	8.8%	15.0%
PT	24.9%	22.6%	31.0%
RO	21.4%	19.0%	24.0%
SI	18.8%	17.8%	25.0%
SK	9.7%	8.2%	14.0%
FI	31.8%	30.4%	38.0%
SE	46.8%	41.6%	49.0%
UK	3.8%	4.0%	15.0%

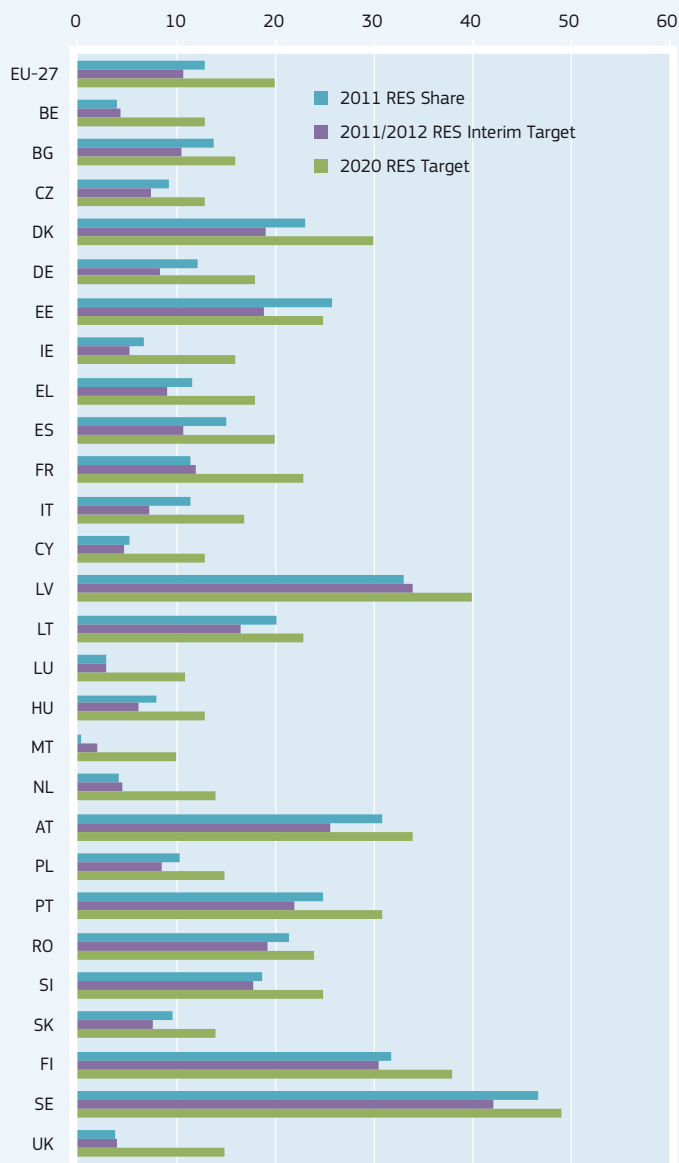
* in Gross Final Energy Consumption

** Preliminary data

Source: Eurostat, April 2013

Methodology and Notes: See Appendix 13 – No 1

Renewable Energy* (%)



BE and HU preliminary data
 * in Gross Final Energy Consumption
 Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 1

GHG Emissions

2020 GHG Fixed Targets

%	Compared to 2005 Levels
EU-27	-20%*
BE	-15%
BG	20%
CZ	9%
DK	-20%
DE	-14%
EE	11%
IE	-20%
EL	-4%
ES	-10%
FR	-14%
IT	-13%
CY	-5%
LV	17%
LT	15%
LU	-20%
HU	10%
MT	5%
NL	-16%
AT	-16%
PL	14%
PT	1%
RO	19%
SI	4%
SK	13%
FI	-16%
SE	-17%
UK	-16%

* Compared to 1990 Level
 Source: EEA, Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 1

GHG Emissions*

Emissions Compared to 1990

Index 100=1990	1990	2000	2005	2005	2009	2010
EU-27	100	93	91	92	89	83
BE	100	105	102	100	95	87
BG	100	71	55	58	60	52
CZ	100	77	74	75	73	69
DK	100	111	99	93	93	88
DE	100	90	83	80	78	73
EE	100	49	42	45	48	40
IE	100	107	123	126	122	112
EL	100	105	121	129	125	119
ES	100	111	135	154	143	130
FR	100	99	101	101	96	92
IT	100	102	106	111	104	95
CY	100	155	156	171	176	172
LV	100	47	39	42	44	41
LT	100	44	39	46	49	40
LU	100	79	75	101	94	90
HU	100	81	79	82	75	69
MT	100	120	128	149	152	148
NL	100	105	101	100	96	94
AT	100	102	103	119	111	102
PL	100	95	84	85	88	83
PT	100	117	137	144	130	124
RO	100	72	55	59	58	49
SI	100	100	102	110	116	105
SK	100	74	69	71	70	62
FI	100	101	98	98	100	94
SE	100	102	95	93	87	82
UK	100	92	88	86	82	75

* Emissions of the Kyoto basket of GHG
 Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 1

PART 2

Energy in the EU



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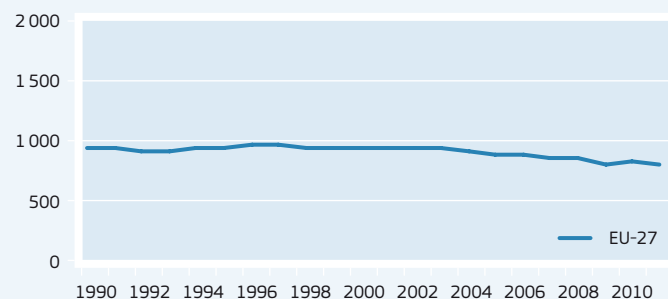
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Energy Supply Production*

All Fuels

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	957.7	942.9	899.5	819.3	837.5	807.2
Index 1995	100%	98%	94%	86%	87%	84%
BE	11.83	13.61	13.71	15.64	16.41	18.31
BG	10.27	9.87	10.62	9.78	10.54	12.30
CZ	32.41	30.64	32.87	31.17	31.56	32.01
DK	15.63	27.72	31.31	23.99	23.35	21.20
DE	145.08	135.46	136.58	127.95	131.98	124.90
EE	3.73	3.43	4.24	4.65	5.46	5.61
IE	4.10	2.16	1.64	1.53	1.95	1.81
EL	9.36	10.01	10.32	10.10	9.47	9.62
ES	31.43	31.49	30.09	30.14	34.14	31.90
FR	126.98	129.81	135.86	128.22	134.75	135.40
IT	29.80	28.31	28.12	27.86	30.88	32.54
CY	0.04	0.04	0.05	0.09	0.09	0.10
LV	1.43	1.41	1.86	2.10	2.12	2.08
LT	3.76	3.25	3.87	4.17	1.32	1.30
LU	0.04	0.06	0.11	0.11	0.12	0.12
HU	13.92	11.60	10.33	11.04	11.09	10.81
MT					0.00	0.00
NL	66.70	57.58	62.23	63.44	70.10	64.69
AT	8.78	9.78	9.97	11.59	12.23	11.57
PL	99.38	79.79	78.90	67.90	67.83	68.87
PT	3.38	3.89	3.61	4.97	5.63	5.35
RO	32.67	28.55	28.24	28.64	27.77	27.86
SI	2.96	3.09	3.49	3.65	3.72	3.75
SK	5.06	6.39	6.68	6.06	6.32	6.55
FI	13.12	14.82	16.59	16.68	17.51	17.23
SE	31.38	30.05	34.26	30.02	33.17	32.17
UK	254.51	270.14	203.95	157.80	147.98	129.16

Production – All Fuels – 1990-2011 (Mtoe)



* Primary Production and Production from Other Sources
Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Production*

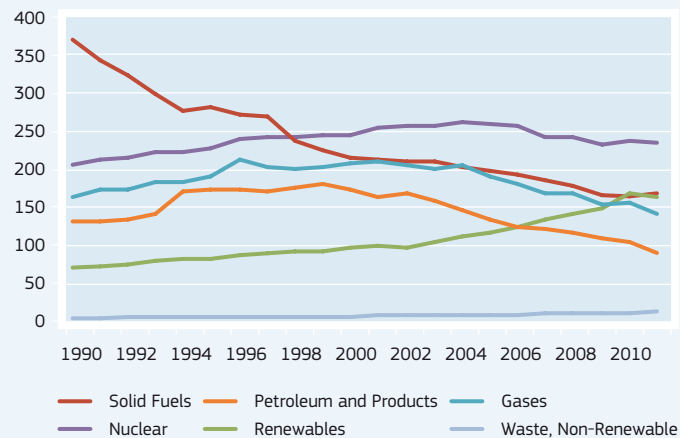
By Fuel

Mtoe	2011					
	Nuclear	Solid Fuels	Renewables	Gases	Petroleum and Products	Waste, Non-Renewable
EU-27	234.0	167.4	162.3	140.3	89.5	13.6
Share (%)	29.0%	20.7%	20.1%	17.4%	11.1%	1.7%
BE	12.44		2.47		0.66	2.74
BG	4.23	6.21	1.43	0.35	0.06	0.02
CZ	7.32	20.90	3.03	0.15	0.40	0.22
DK			3.03	6.33	11.42	0.41
DE	27.85	46.53	31.29	10.89	4.46	3.87
EE		4.06	0.98		0.57	
IE		0.76	0.73	0.28	0.02	0.01
EL		7.50	1.98	0.01	0.10	0.03
ES	14.89	2.65	13.76	0.05	0.38	0.17
FR	114.11	0.09	17.90	0.51	1.55	1.24
IT		0.06	17.87	6.92	6.56	1.13
CY			0.10		0.00	0.00
LV		0.00	2.07		0.01	0.00
LT		0.01	1.16		0.13	
LU			0.08	0.00		0.03
HU	4.06	1.65	1.86	2.12	1.04	0.09
MT			0.00			
NL	1.07	0.01	3.14	57.85	1.88	0.75
AT		0.00	8.36	1.46	0.91	0.84
PL		55.76	7.45	3.85	1.05	0.76
PT			5.16		0.05	0.14
RO	3.03	6.66	5.03	8.67	4.45	0.03
SI	1.60	1.20	0.91	0.00	0.30	0.03
SK	4.03	0.60	1.39	0.10	0.40	0.03
FI	5.98	1.69	9.11		0.30	0.14
SE	15.60	0.22	15.75	0.01	0.08	0.51
UK	17.79	10.87	6.29	40.76	53.02	0.43

* Primary Production and Production from Other Sources
Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

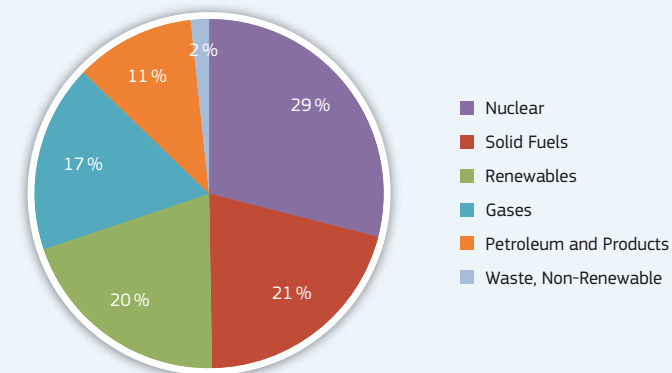
Production*

By Fuel – EU-27 – 1990-2011 (Mtoe)



Production* By Fuel – EU-27 – 2011 (% of Total)

Total = 807 Mtoe



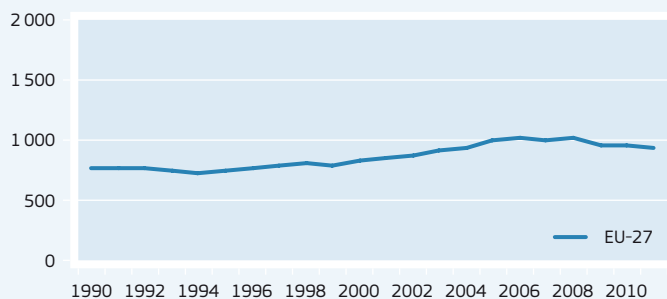
* Primary Production and Production from Other Sources
Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Net Imports

All Fuels

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	736.0	825.1	983.2	941.0	951.8	939.7
Index 1995	100%	112%	134%	128%	129%	128%
BE	46.95	50.41	53.36	48.38	53.09	48.43
BG	13.55	8.73	9.59	8.07	7.23	7.09
CZ	8.61	9.49	12.79	11.51	11.46	12.07
DK	7.28	-7.44	-10.45	-4.02	-3.53	-1.67
DE	195.59	205.78	213.14	202.42	202.56	194.86
EE	1.82	1.62	1.44	1.18	0.83	0.74
IE	7.68	12.14	13.59	13.09	12.91	12.40
EL	18.28	22.12	23.47	22.56	21.81	20.00
ES	75.48	99.54	123.98	110.19	106.26	104.77
FR	116.93	134.42	144.39	133.78	132.54	127.91
IT	135.57	153.56	161.02	142.64	149.57	142.61
CY	2.03	2.55	2.82	2.90	2.91	2.65
LV	3.36	2.24	2.99	2.71	1.99	2.63
LT	5.62	4.33	5.09	4.35	5.75	5.90
LU	3.26	3.64	4.68	4.27	4.52	4.46
HU	12.62	13.96	17.50	14.89	15.14	13.13
MT	0.83	1.45	1.63	2.00	2.49	2.50
NL	15.45	34.73	38.10	34.90	30.95	29.18
AT	18.19	19.13	24.57	21.23	21.75	23.53
PL	-0.03	9.58	16.44	30.26	32.18	34.53
PT	18.04	21.88	24.77	20.59	18.73	18.94
RO	14.56	8.09	10.85	7.19	7.74	7.76
SI	3.08	3.38	3.83	3.44	3.59	3.53
SK	12.37	11.68	12.49	11.16	11.28	11.18
FI	16.09	18.57	19.28	18.67	18.19	19.32
SE	19.28	19.19	20.21	17.76	19.62	18.77
UK	-36.44	-39.66	31.66	54.89	60.24	72.44

Net Imports – All Fuels – 1990–2011 (Mtoe)



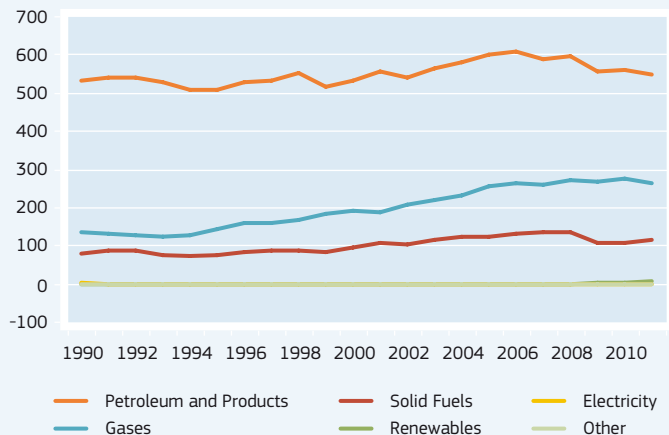
Net Imports

By Fuel

Mtoe	2011					
	Net Imports	Petroleum and Products	Gases	Solid Fuels	Renewables	Electricity
EU-27	939.7	548.5	266.3	118.1	6.7	0.0
Share (%)	100%	58%	28%	13%	1%	0%
BE	48.43	29.67	15.21	2.95	0.39	0.22
BG	7.09	3.84	2.26	1.98	-0.08	-0.92
CZ	12.07	8.64	7.51	-2.57	-0.04	-1.47
DK	-1.67	-3.95	-2.47	3.59	1.04	0.11
DE	194.86	106.85	56.70	31.71	-0.07	-0.32
EE	0.74	0.70	0.50	-0.02	-0.14	-0.31
IE	12.40	7.04	3.83	1.40	0.08	0.04
EL	20.00	15.36	3.97	0.23	0.16	0.28
ES	104.77	66.28	29.40	8.74	0.87	-0.52
FR	127.91	83.93	38.27	10.18	0.37	-4.85
IT	142.61	63.79	57.53	15.29	2.07	3.93
CY	2.65	2.62		0.00	0.03	
LV	2.63	1.51	1.41	0.12	-0.56	0.11
LT	5.90	2.39	2.73	0.26	-0.06	0.58
LU	4.46	2.94	1.03	0.06	0.04	0.39
HU	13.13	5.35	6.13	1.04	0.03	0.57
MT	2.50	2.50				
NL	29.18	44.18	-23.54	7.53	0.21	0.78
AT	23.53	11.23	8.00	3.05	0.54	0.70
PL	34.53	25.46	9.64	-0.62	0.51	-0.45
PT	18.94	12.24	4.53	2.15	-0.22	0.24
RO	7.76	4.26	2.46	1.13	0.08	-0.16
SI	3.53	2.61	0.74	0.26	0.03	-0.11
SK	11.18	3.24	4.86	3.02	-0.01	0.06
FI	19.32	10.21	3.36	4.60	-0.04	1.19
SE	18.77	15.89	1.15	2.35		-0.62
UK	72.44	19.73	31.01	19.66	1.51	0.53

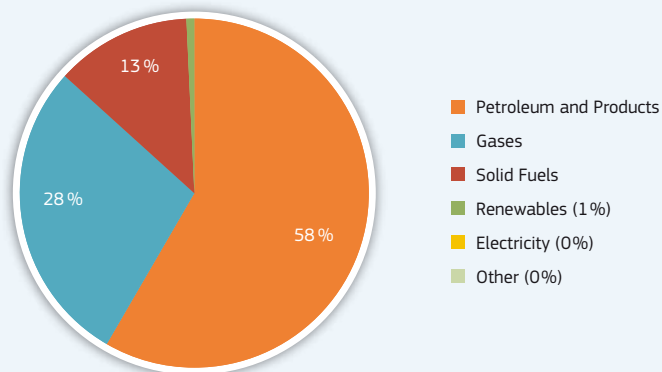
Net Imports

By Fuel – EU-27 – 1990-2011 (Mtoe)



Net Imports By Fuel – EU-27 – 2011 (% of Total)

Total = 940 Mtoe

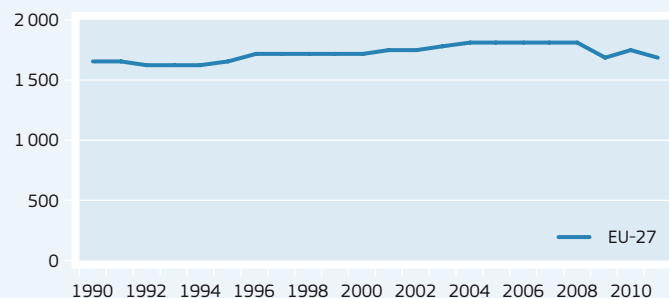


Gross Inland Consumption

All Fuels

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	1 668.7	1 724.9	1 824.8	1 702.1	1 759.4	1 697.7
Index 1995	100%	103%	109%	102%	105%	102%
BE	54.14	59.21	58.98	58.11	61.50	59.69
BG	23.41	18.71	20.08	17.59	17.94	19.28
CZ	41.70	41.27	45.28	42.41	44.79	43.32
DK	20.28	19.80	19.76	19.25	20.29	18.99
DE	342.17	343.62	346.00	326.45	336.09	316.31
EE	5.54	4.96	5.56	5.31	6.11	6.16
IE	10.97	14.20	15.11	14.72	14.99	13.85
EL	23.87	28.27	31.39	30.69	28.84	27.92
ES	102.15	123.85	144.38	130.44	129.97	128.54
FR	241.63	257.95	276.62	259.87	267.46	259.33
IT	162.95	175.80	188.52	169.97	175.53	172.94
CY	1.95	2.39	2.52	2.80	2.71	2.67
LV	4.62	3.74	4.48	4.33	4.54	4.24
LT	8.72	7.15	8.77	8.54	6.87	7.07
LU	3.34	3.66	4.81	4.38	4.66	4.59
HU	26.27	25.30	27.70	25.35	25.98	25.23
MT	0.75	0.80	0.97	0.84	0.95	1.13
NL	73.26	76.57	82.52	81.61	87.03	81.31
AT	27.32	29.18	34.40	32.68	35.02	33.95
PL	100.00	89.82	93.08	95.32	101.78	102.17
PT	20.65	25.11	27.40	24.93	24.37	23.90
RO	47.20	36.83	39.35	35.51	35.66	36.35
SI	6.06	6.43	7.30	7.11	7.25	7.27
SK	17.95	17.98	19.09	16.81	17.90	17.42
FI	29.55	32.92	35.07	34.35	37.42	35.74
SE	50.31	47.66	51.74	45.73	51.52	49.51
UK	221.89	231.73	233.91	206.96	212.22	198.78

Gross Inland Consumption – All Fuels – 1990-2011 (Mtoe)



Gross Inland Consumption

By Fuel

Mtoe	2011						
	Petroleum and Products	Gases	Solid Fuels	Nuclear	Renewables	Waste, Non-Renewable	Electricity
EU-27	597.9	397.6	285.5	234.0	169.0	13.7	0.0
Share – %	35.2%	23.4%	16.8%	13.8%	10.0%	0.8%	0.0%
BE	23.32	15.19	2.91	12.44	2.86	2.74	0.22
BG	3.86	2.63	8.11	4.23	1.35	0.02	-0.92
CZ	9.10	6.77	18.38	7.32	2.99	0.22	-1.47
DK	7.42	3.73	3.23		4.08	0.41	0.11
DE	110.76	65.83	77.11	27.85	31.22	3.87	-0.32
EE	1.08	0.50	4.06		0.83		-0.31
IE	6.83	4.12	2.03		0.82	0.01	0.04
EL	13.52	3.97	7.89		2.23	0.03	0.28
ES	57.90	28.99	12.46	14.89	14.64	0.17	-0.52
FR	83.22	37.04	10.29	114.11	18.27	1.24	-4.85
IT	68.21	63.81	15.91		19.94	1.13	3.93
CY	2.54		0.01		0.12	0.00	
LV	1.25	1.29	0.12		1.44	0.04	0.11
LT	2.47	2.72	0.25		1.06		0.58
LU	2.96	1.03	0.06		0.12	0.03	0.39
HU	6.50	9.35	2.76	4.06	1.89	0.10	0.57
MT	1.13				0.00		
NL	33.62	34.32	7.47	1.07	3.30	0.76	0.78
AT	12.43	7.75	3.45		8.77	0.84	0.70
PL	26.48	12.84	54.60		7.95	0.76	-0.45
PT	11.70	4.46	2.21		5.14	0.14	0.24
RO	9.12	11.11	8.16	3.03	5.07	0.03	-0.16
SI	2.59	0.74	1.47	1.60	0.95	0.03	-0.11
SK	3.59	4.64	3.70	4.03	1.37	0.04	0.06
FI	10.31	3.36	5.69	5.98	9.07	0.14	1.19
SE	14.62	1.16	2.49	15.60	15.75	0.51	-0.62
UK	71.37	70.20	30.65	17.79	7.80	0.43	0.53

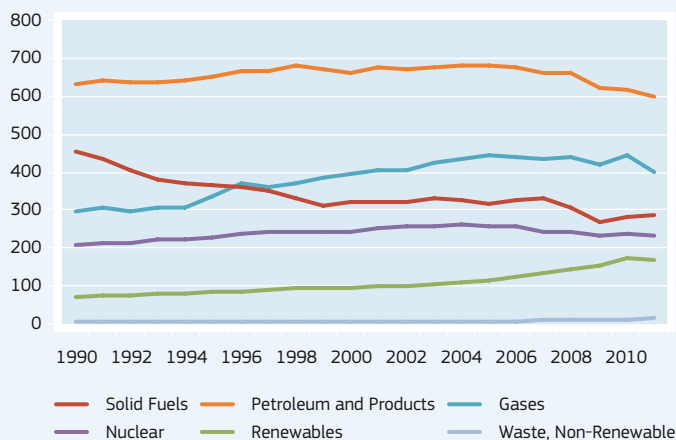
Gross Inland Consumption

Renewables

Mtoe	2011						
	Renewables	Biomass and Renewable Wastes	Hydro	Wind	Geothermal	Solar	Tide Wave and Ocean
EU-27	169.0	114.9	26.4	15.4	6.2	6.1	0.0
Share (%)	10.0%	6.8%	1.6%	0.9%	0.4%	0.4%	0.0%
BE	2.86	2.52	0.02	0.20	0.00	0.11	
BG	1.35	0.97	0.25	0.07	0.03	0.02	
CZ	2.99	2.59	0.17	0.03		0.20	
DK	4.08	3.21	0.00	0.84	0.01	0.02	
DE	31.22	22.73	1.48	4.20	0.58	2.22	
EE	0.83	0.80	0.00	0.03			
IE	0.82	0.37	0.06	0.38		0.01	
EL	2.23	1.34	0.34	0.29	0.03	0.24	
ES	14.64	7.00	2.63	3.65	0.02	1.35	
FR	18.27	13.00	3.85	1.05	0.08	0.24	0.05
IT	19.94	9.07	3.94	0.85	5.02	1.07	
CY	0.12	0.05		0.01	0.00	0.06	
LV	1.44	1.18	0.25	0.01			
LT	1.06	0.97	0.04	0.04	0.00		
LU	0.12	0.11	0.00	0.01		0.00	
HU	1.89	1.70	0.02	0.05	0.10	0.01	
MT	0.00	0.00					
NL	3.30	2.81	0.00	0.44	0.01	0.03	
AT	8.77	5.45	2.94	0.17	0.03	0.18	
PL	7.95	7.45	0.20	0.28	0.01	0.01	
PT	5.14	3.07	0.99	0.79	0.20	0.09	
RO	5.07	3.66	1.27	0.12	0.02	0.00	
SI	0.95	0.59	0.31		0.04	0.01	
SK	1.37	1.00	0.32	0.00	0.01	0.04	
FI	9.07	7.96	1.07	0.04		0.00	
SE	15.75	9.50	5.71	0.52		0.01	
UK	7.80	5.85	0.49	1.33	0.00	0.13	

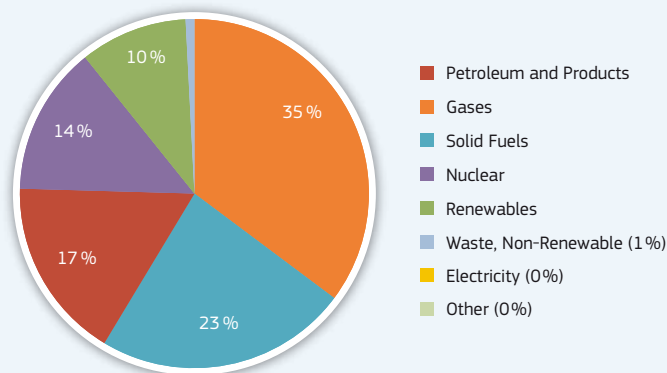
Gross Inland Consumption

By Fuel – EU-27 – 1990–2011 (Mtoe)



2.1.3. Gross Inland Consumption – By Fuel – EU-27 – 2011 (% of Total)

Total = 1 698 Mtoe



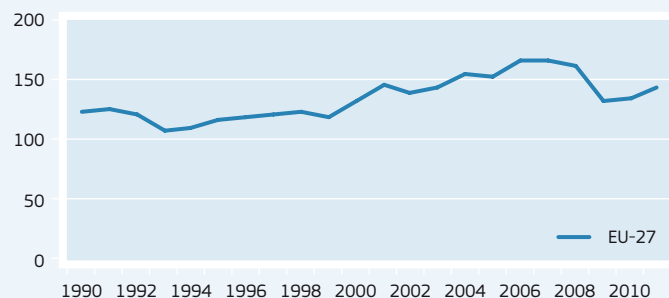
Imports

Imports – Solid Fuels

Total

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	116.1	131.2	152.6	132.2	135.0	144.0
Index 1995	100%	113%	131%	114%	116%	124%
BE	10.34	8.27	5.86	3.36	3.82	3.66
BG	2.42	2.38	2.57	1.75	1.75	2.04
CZ	1.84	1.04	1.35	1.94	2.23	2.20
DK	7.68	3.86	3.56	3.96	2.68	3.59
DE	12.26	22.20	26.34	26.75	32.75	32.63
EE	0.35	0.33	0.07	0.02	0.05	0.04
IE	1.90	1.70	1.91	1.30	0.96	1.42
EL	0.92	0.81	0.40	0.17	0.40	0.24
ES	8.67	13.35	14.83	9.90	7.85	9.52
FR	9.60	13.55	14.14	10.76	12.37	10.28
IT	13.09	13.22	16.52	12.61	14.51	15.48
CY	0.01	0.03	0.04	0.02	0.01	0.00
LV	0.17	0.06	0.08	0.08	0.11	0.13
LT	0.16	0.08	0.18	0.15	0.22	0.28
LU	0.49	0.11	0.08	0.07	0.07	0.06
HU	1.65	1.21	1.45	1.11	1.41	1.31
MT						
NL	11.52	14.06	13.02	12.21	12.82	15.01
AT	2.64	3.06	3.99	2.76	3.36	3.05
PL	1.08	1.02	2.15	6.54	8.27	8.86
PT	3.86	3.97	3.23	3.10	1.70	2.24
RO	3.07	1.93	2.96	1.05	1.28	1.15
SI	0.19	0.24	0.33	0.26	0.28	0.26
SK	4.18	3.47	3.90	3.38	3.22	3.20
FI	3.85	3.55	3.35	3.87	3.98	4.61
SE	2.80	2.43	2.58	1.54	2.57	2.37
UK	11.34	15.23	27.71	23.57	16.31	20.35

Imports – Solid Fuels – 1990–2011 (Mtoe)



Imports – Solid Fuels

Hard Coal

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	105.7	120.3	143.3	125.7	126.0	136.2
Index 1995	100%	114%	136%	119%	119%	129%
BE	9.43	7.46	5.70	3.19	3.63	3.41
BG	2.35	2.25	2.49	1.70	1.70	2.00
CZ	1.63	0.63	0.76	1.23	1.29	1.47
DK	7.65	3.82	3.54	3.95	2.67	3.57
DE	9.50	17.39	23.70	24.49	29.53	30.08
EE	0.05	0.06	0.04	0.02	0.05	0.04
IE	1.87	1.68	1.88	1.28	0.95	1.41
EL	0.92	0.81	0.40	0.17	0.40	0.23
ES	8.09	13.25	14.74	9.82	7.71	9.41
FR	8.91	12.49	13.00	9.95	11.41	9.37
IT	12.58	12.87	15.94	12.61	14.50	15.45
CY	0.01	0.03	0.04	0.02	0.01	
LV	0.16	0.05	0.07	0.08	0.11	0.12
LT	0.16	0.07	0.16	0.12	0.18	0.23
LU	0.13	0.10	0.07	0.06	0.06	0.05
HU	1.23	1.12	1.30	1.10	1.40	1.30
MT						
NL	11.00	13.63	12.69	12.07	12.54	14.82
AT	2.05	2.34	3.00	2.16	2.47	2.12
PL	1.05	1.01	2.05	6.49	8.16	8.72
PT	3.84	3.97	3.22	3.10	1.70	2.24
RO	3.01	1.65	2.42	0.60	0.52	0.60
SI	0.14	0.19	0.29	0.20	0.23	0.21
SK	3.10	3.15	3.48	2.93	2.57	2.66
FI	3.67	3.20	3.00	3.67	3.68	4.28
SE	2.37	2.14	2.22	1.31	2.29	2.11
UK	10.87	14.90	27.09	23.44	16.22	20.31

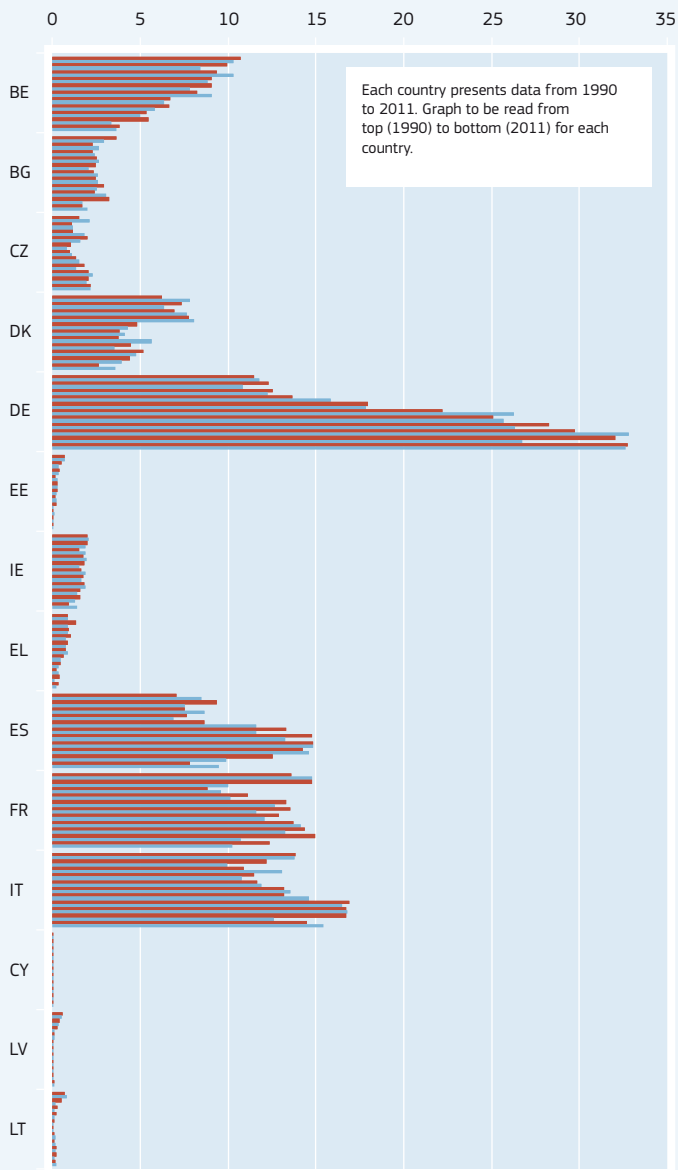
Imports – Solid Fuels

Ranking

Mtoe and %	1995		2011			
	MS	Imports	EU-27 Share	MS	Imports	EU-27 Share
Top 10 Ranking						
Solid Fuels						
1	IT	13.1	11.3%	DE	32.6	22.7%
2	DE	12.3	10.6%	UK	20.3	14.1%
3	NL	11.5	9.9%	IT	15.5	10.8%
4	UK	11.3	9.8%	NL	15.0	10.4%
5	BE	10.3	8.9%	FR	10.3	7.1%
6	FR	9.6	8.3%	ES	9.5	6.6%
7	ES	8.7	7.5%	PL	8.9	6.2%
8	DK	7.7	6.6%	FI	4.6	3.2%
9	SK	4.2	3.6%	BE	3.7	2.5%
10	PT	3.9	3.3%	DK	3.6	2.5%
Top 5 Total		58.5	50.4%		93.7	65.1%
of which Hard Coal						
1	IT	12.6	11.9%	DE	30.1	22.1%
2	NL	11.0	10.4%	UK	20.3	14.9%
3	UK	10.9	10.3%	IT	15.5	11.3%
4	DE	9.5	9.0%	NL	14.8	10.9%
5	BE	9.4	8.9%	ES	9.4	6.9%
6	FR	8.9	8.4%	FR	9.4	6.9%
7	ES	8.1	7.7%	PL	8.7	6.4%
8	DK	7.6	7.2%	FI	4.3	3.1%
9	PT	3.8	3.6%	DK	3.6	2.6%
10	FI	3.7	3.5%	BE	3.4	2.5%
Top 5 Total		53.4	50.5%		90.1	66.1%

Imports – Solid Fuels

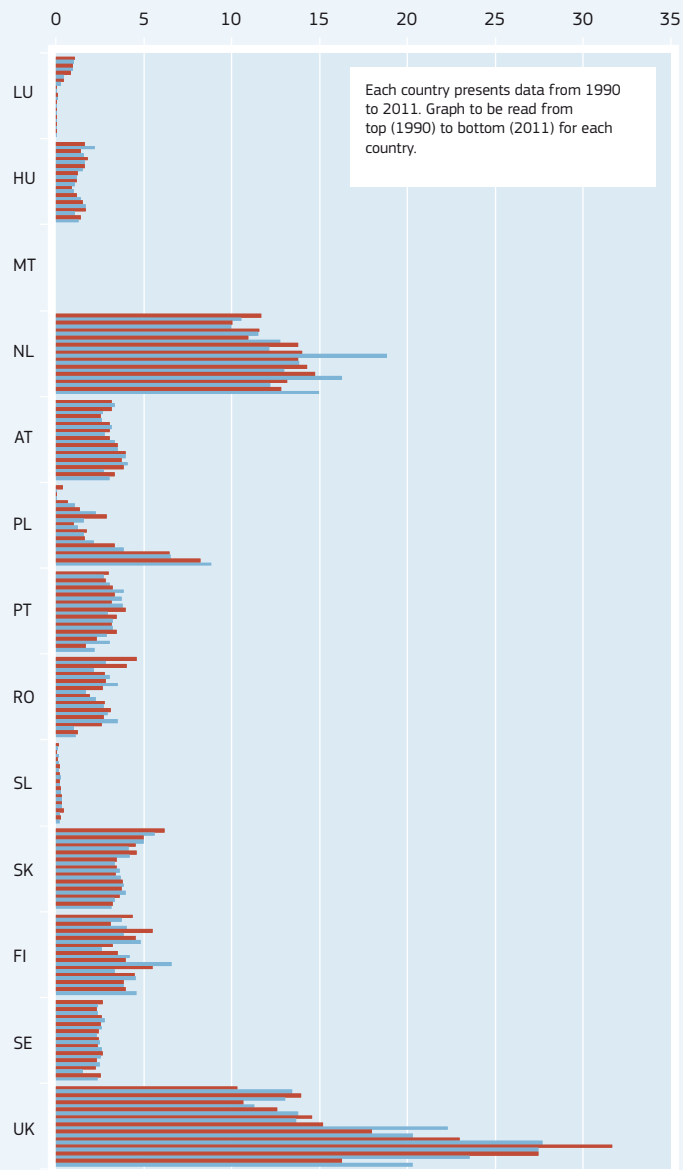
By Member State – BE-LT – 1990-2011 (Mtoe)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Imports – Solid Fuels

By Member State – LU-UK – 1990-2011 (Mtoe)



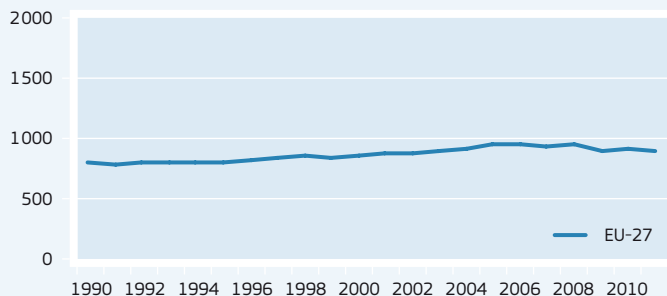
Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Imports – Petroleum and Products

Total

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	800.5	869.7	955.9	905.6	917.8	898.6
Index 1995	100%	109%	119%	113%	115%	112%
BE	44.86	52.88	58.34	53.88	56.17	53.61
BG	8.66	6.13	7.86	7.83	7.76	7.40
CZ	8.90	8.67	11.07	10.40	10.62	10.23
DK	10.37	9.91	8.77	8.86	9.36	9.28
DE	147.08	148.97	149.99	132.87	130.70	125.21
EE	1.18	0.92	1.08	1.19	1.12	1.13
IE	6.68	9.29	9.95	8.68	8.94	8.64
EL	21.41	23.75	26.37	27.85	27.11	25.00
ES	67.54	78.32	87.80	81.92	80.40	79.28
FR	102.12	114.30	122.99	112.42	106.42	107.37
IT	107.79	110.86	109.64	95.53	98.20	91.29
CY	2.01	2.51	2.77	2.87	2.89	2.62
LV	2.14	1.23	2.18	1.84	1.71	1.98
LT	5.40	5.49	9.66	9.30	10.22	10.36
LU	1.79	2.39	3.17	2.77	2.88	2.95
HU	7.64	7.08	8.86	7.90	8.53	8.20
MT	0.83	1.45	1.63	2.00	2.51	2.56
NL	91.21	107.29	126.98	139.69	149.99	146.59
AT	11.27	12.48	15.46	13.78	13.95	13.53
PL	16.56	21.80	24.95	27.53	29.28	30.28
PT	17.92	17.27	19.46	15.18	15.45	15.10
RO	11.64	6.36	9.90	8.97	8.38	8.08
SI	2.34	2.67	2.83	3.08	3.29	3.34
SK	5.35	5.70	6.97	6.88	6.72	7.19
FI	12.78	15.70	16.09	16.96	16.42	17.53
SE	25.68	26.61	27.97	26.99	28.19	27.47
UK	59.39	69.72	83.15	78.41	80.56	82.37

Imports – Petroleum and Products – Total – 1990-2011 (Mtoe)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Imports – Petroleum and Products

Crude and NGL

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	565.1	611.5	638.9	576.5	576.1	558.4
Index 1995	100%	108%	113%	102%	102%	99%
BE	26.48	34.09	31.84	31.17	33.35	29.91
BG	8.09	5.35	6.15	6.24	5.51	5.05
CZ	7.06	5.74	7.82	7.29	7.84	7.03
DK	5.48	3.80	2.79	3.61	2.78	3.11
DE	103.00	105.97	114.41	99.51	94.69	91.92
EE						
IE	2.25	2.96	3.31	2.70	3.07	3.07
EL	15.51	19.56	18.90	18.03	20.35	16.77
ES	55.40	57.91	60.13	52.75	52.86	52.57
FR	78.54	87.19	85.63	73.00	65.53	65.63
IT	74.79	84.71	90.59	77.55	79.82	73.57
CY	0.80	1.15				
LV						
LT	3.19	4.95	9.11	8.53	9.17	9.08
LU						
HU	5.96	5.88	6.33	5.54	5.82	5.96
MT						
NL	61.23	62.10	63.35	59.51	61.62	58.27
AT	7.78	7.46	7.93	7.52	6.89	7.50
PL	13.11	18.32	18.26	20.49	23.12	24.18
PT	13.03	11.55	13.38	10.44	11.49	10.63
RO	8.78	4.83	8.89	7.11	6.01	5.61
SI	0.50	0.12				
SK	5.32	5.42	5.52	5.59	5.35	5.90
FI	8.81	11.94	10.92	11.89	11.58	11.98
SE	18.31	20.69	20.22	19.16	19.93	18.86
UK	41.66	49.76	53.45	48.87	49.39	51.83

Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

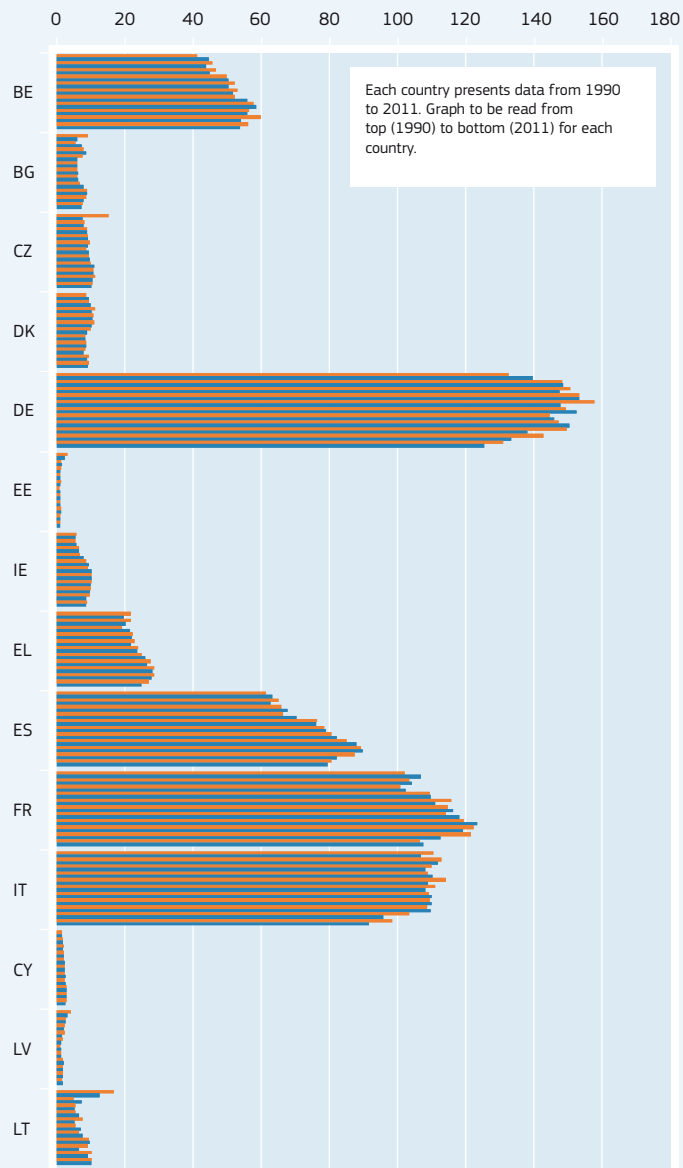
Imports – Petroleum and Products

Ranking

Mtoe and %	1995			2011		
	MS	Imports	EU-27 Share	MS	Imports	EU-27 Share
Top 10 Ranking						
Petroleum and Products						
1	DE	147.1	18.4%	NL	146.6	16.3%
2	IT	107.8	13.5%	DE	125.2	13.9%
3	FR	102.1	12.8%	FR	107.4	11.9%
4	NL	91.2	11.4%	IT	91.3	10.2%
5	ES	67.5	8.4%	UK	82.4	9.2%
6	UK	59.4	7.4%	ES	79.3	8.8%
7	BE	44.9	5.6%	BE	53.6	6.0%
8	SE	25.7	3.2%	PL	30.3	3.4%
9	EL	21.4	2.7%	SE	27.5	3.1%
10	PT	17.9	2.2%	EL	25.0	2.8%
Top 5 Total		515.7	64.4%		552.8	61.5%
of which Crude Oil and NGL						
1	DE	103.0	18.2%	DE	91.9	16.5%
2	FR	78.5	13.9%	IT	73.6	13.2%
3	IT	74.8	13.2%	FR	65.6	11.8%
4	NL	61.2	10.8%	NL	58.3	10.4%
5	ES	55.4	9.8%	ES	52.6	9.4%
6	UK	41.7	7.4%	UK	51.8	9.3%
7	BE	26.5	4.7%	BE	29.9	5.4%
8	SE	18.3	3.2%	PL	24.2	4.3%
9	EL	15.5	2.7%	SE	18.9	3.4%
10	PL	13.1	2.3%	EL	16.8	3.0%
Top 5 Total		373.0	66.0%		342.0	61.2%

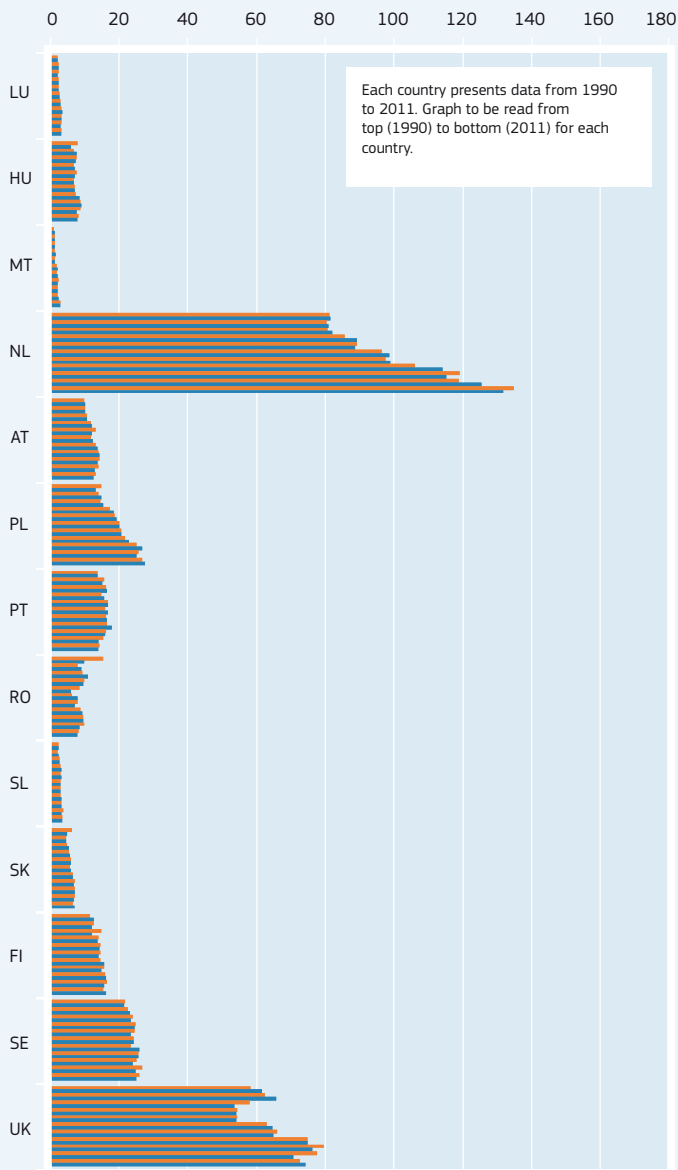
Imports – Petroleum and Products

By Member State – BE-LT – 1990-2011 (Mtoe)



Imports – Petroleum and Products

By Member State – LU-UK – 1990-2011 (Mtoe)



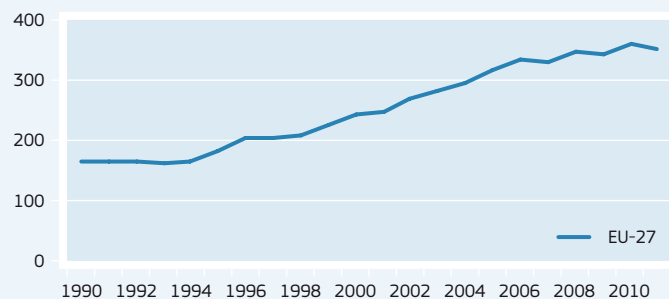
Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Imports – Gases

Total

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	179.90	241.46	317.45	341.07	360.21	351.82
Index 1995	100%	134%	176%	190%	200%	196%
BE	10.42	13.28	14.82	17.99	19.55	18.67
BG	4.56	2.74	2.46	2.13	2.13	2.26
CZ	6.42	7.48	7.60	7.93	6.98	7.64
DK					0.14	0.33
DE	55.32	61.09	73.53	76.34	74.31	73.21
EE	0.58	0.66	0.80	0.53	0.56	0.50
IE	0.08	2.48	3.01	3.96	4.39	3.83
EL		1.69	2.33	2.96	3.23	3.97
ES	7.52	15.47	30.25	31.77	31.95	30.88
FR	28.11	36.46	41.62	40.72	42.11	41.64
IT	28.56	47.05	60.16	56.72	61.72	57.63
CY						
LV	1.00	1.11	1.43	1.40	0.90	1.41
LT	2.03	2.06	2.49	2.19	2.48	2.73
LU	0.56	0.67	1.18	1.11	1.20	1.03
HU	5.53	7.35	9.81	7.91	7.91	6.60
MT						
NL	2.76	12.48	16.44	18.39	18.45	16.49
AT	5.42	5.27	8.03	9.51	10.19	10.98
PL	5.84	6.64	8.57	8.16	8.91	9.66
PT		2.04	3.89	4.27	4.50	4.53
RO	4.79	2.71	4.19	1.60	1.82	2.46
SI	0.75	0.82	0.93	0.83	0.86	0.74
SK	4.53	5.71	6.05	4.82	5.00	4.86
FI	2.84	3.42	3.60	3.48	3.84	3.36
SE	0.75	0.78	0.84	1.09	1.47	1.15
UK	1.51	2.01	13.42	35.27	45.62	45.23

Imports – Gases – 1990-2011 (Mtoe)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

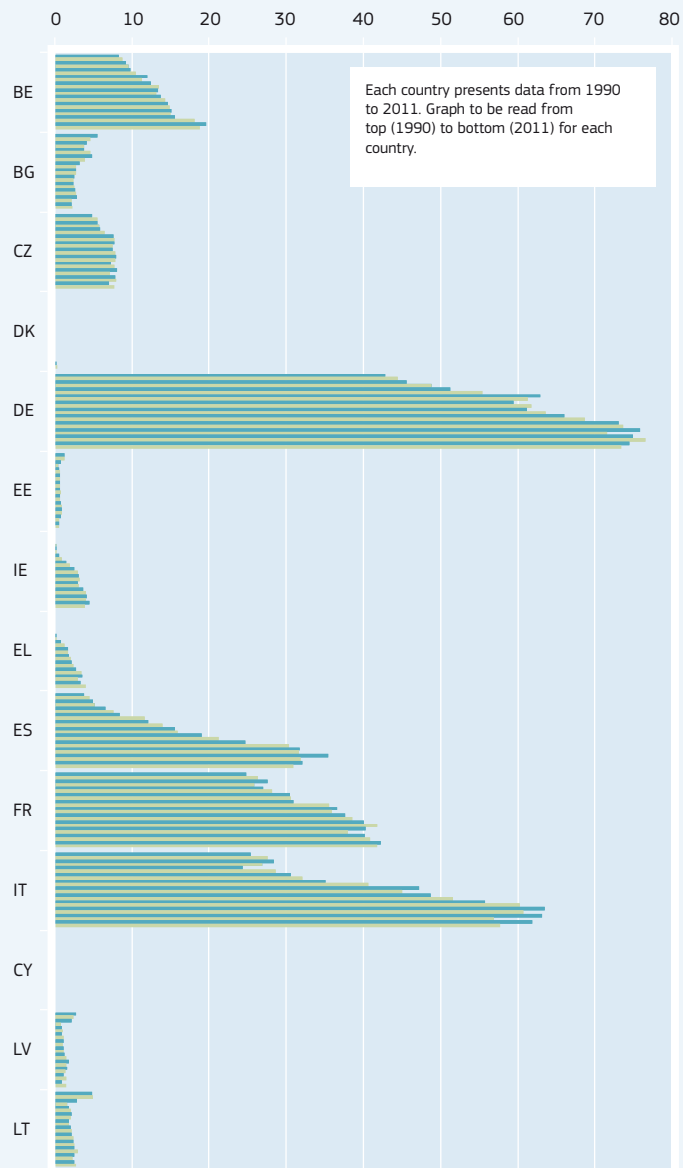
Imports – Gases

Ranking

Mtoe and %	1995			2011		
	MS	Imports	EU-27 Share	MS	Imports	EU-27 Share
Gases						
1	DE	55.3	30.8%	DE	73.2	20.8%
2	IT	28.6	15.9%	IT	57.6	16.4%
3	FR	28.1	15.6%	UK	45.2	12.9%
4	BE	10.4	5.8%	FR	41.6	11.8%
5	ES	7.5	4.2%	ES	30.9	8.8%
6	CZ	6.4	3.6%	BE	18.7	5.3%
7	PL	5.8	3.2%	NL	16.5	4.7%
8	HU	5.5	3.1%	AT	11.0	3.1%
9	AT	5.4	3.0%	PL	9.7	2.7%
10	RO	4.8	2.7%	CZ	7.6	2.2%
11	BG	4.6	2.5%	HU	6.6	1.9%
12	SK	4.5	2.5%	SK	4.9	1.4%
13	FI	2.8	1.6%	PT	4.5	1.3%
14	NL	2.8	1.5%	EL	4.0	1.1%
15	LT	2.0	1.1%	IE	3.8	1.1%
16	UK	1.5	0.8%	FI	3.4	1.0%
17	LV	1.0	0.6%	LT	2.7	0.8%
18	SE	0.8	0.4%	RO	2.5	0.7%
19	SI	0.8	0.4%	BG	2.3	0.6%
20	EE	0.6	0.3%	LV	1.4	0.4%
21	LU	0.6	0.3%	SE	1.2	0.3%
22	IE	0.1	0.0%	LU	1.0	0.3%
23				SI	0.7	0.2%
24				EE	0.5	0.1%
25				DK	0.3	0.1%
Top 5 Total		129.9	72.2%		248.6	70.7%

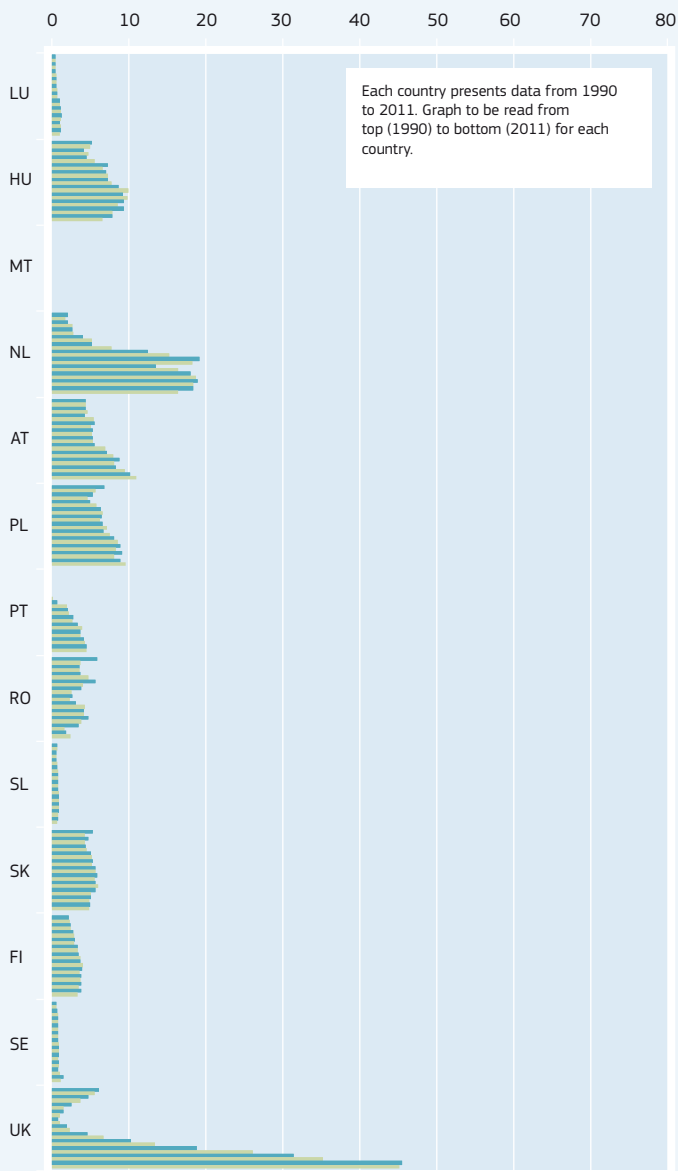
Imports – Gases

By Member State – BE-LT – 1990-2011 (Mtoe)



Imports – Gases

By Member State – LU-UK – 1990-2011 (Mtoe)



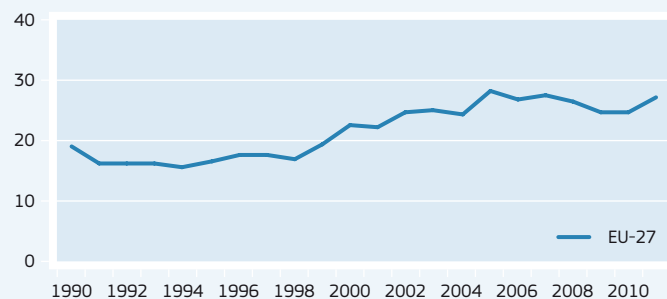
Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Imports – Electricity

Total

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	16.6	22.5	28.1	24.7	24.6	27.2
Index 1995	100%	135%	169%	148%	148%	163%
BE	0.81	1.00	1.23	0.82	1.07	1.13
BG	0.17	0.08	0.07	0.23	0.10	0.12
CZ	0.58	0.75	1.06	0.74	0.57	0.90
DK	0.35	0.72	1.11	0.96	0.91	1.01
DE	3.42	3.88	4.89	3.60	3.69	4.39
EE	0.02	0.02	0.03	0.26	0.09	0.15
IE	0.00	0.01	0.18	0.08	0.07	0.06
EL	0.12	0.15	0.48	0.65	0.73	0.62
ES	0.66	1.05	0.88	0.58	0.45	0.68
FR	0.25	0.32	0.69	1.59	1.67	0.82
IT	3.32	3.85	4.32	4.05	3.95	4.09
CY						
LV	0.23	0.18	0.25	0.37	0.34	0.34
LT	0.45	0.44	0.49	0.41	0.70	0.70
LU	0.49	0.55	0.55	0.52	0.63	0.61
HU	0.28	0.82	1.34	0.94	0.85	1.26
MT						
NL	1.03	1.97	2.04	1.33	1.34	1.77
AT	0.63	1.19	1.75	1.68	1.71	2.15
PL	0.37	0.28	0.43	0.64	0.54	0.58
PT	0.23	0.40	0.83	0.65	0.50	0.58
RO	0.06	0.07	0.20	0.06	0.07	0.29
SI	0.06	0.36	0.80	0.67	0.74	0.60
SK	0.30	0.51	0.69	0.77	0.63	0.97
FI	0.73	1.05	1.54	1.33	1.35	1.52
SE	0.66	1.57	1.25	1.18	1.28	1.07
UK	1.40	1.23	0.96	0.57	0.61	0.75

Imports – Electricity – 1990-2011 (Mtoe)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

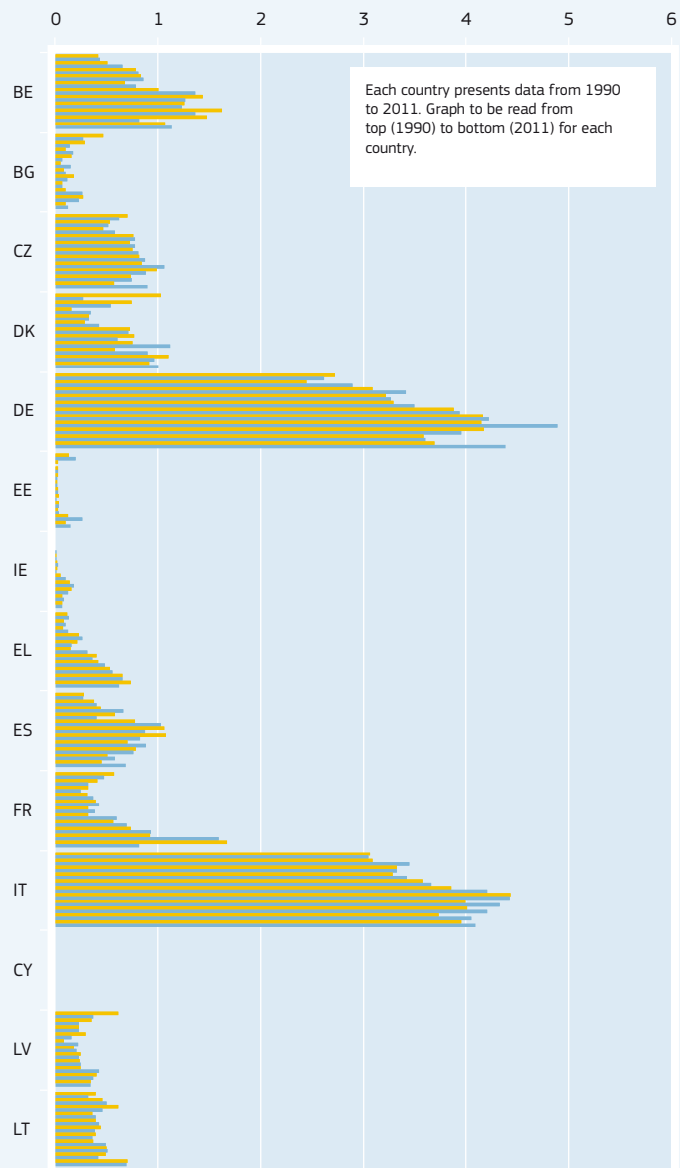
Imports – Electricity

Ranking

Mtoe and %	1995			2011		
	MS	Imports	EU-27 Share	MS	Imports	EU-27 Share
Electricity						
1	DE	3.4	20.6%	DE	4.4	16.1%
2	IT	3.3	20.0%	IT	4.1	15.0%
3	UK	1.4	8.5%	AT	2.1	7.9%
4	NL	1.0	6.2%	NL	1.8	6.5%
5	BE	0.8	4.9%	FI	1.5	5.6%
6	FI	0.7	4.4%	HU	1.3	4.6%
7	SE	0.7	4.0%	BE	1.1	4.2%
8	ES	0.7	3.9%	SE	1.1	4.0%
9	AT	0.6	3.8%	DK	1.0	3.7%
10	CZ	0.6	3.5%	SK	1.0	3.6%
11	LU	0.5	3.0%	CZ	0.9	3.3%
12	LT	0.5	2.7%	FR	0.8	3.0%
13	PL	0.4	2.3%	UK	0.7	2.8%
14	DK	0.3	2.1%	LT	0.7	2.6%
15	SK	0.3	1.8%	ES	0.7	2.5%
16	HU	0.3	1.7%	EL	0.6	2.3%
17	FR	0.2	1.5%	LU	0.6	2.2%
18	PT	0.2	1.4%	SI	0.6	2.2%
19	LV	0.2	1.4%	PL	0.6	2.1%
20	BG	0.2	1.0%	PT	0.6	2.1%
21	EL	0.1	0.7%	LV	0.3	1.3%
22	RO	0.1	0.4%	RO	0.3	1.1%
23	SI	0.1	0.4%	EE	0.1	0.5%
24	EE	0.0	0.1%	BG	0.1	0.5%
25				IE	0.1	0.2%
Top 5 Total		10.0	60.1%		13.9	51.2%

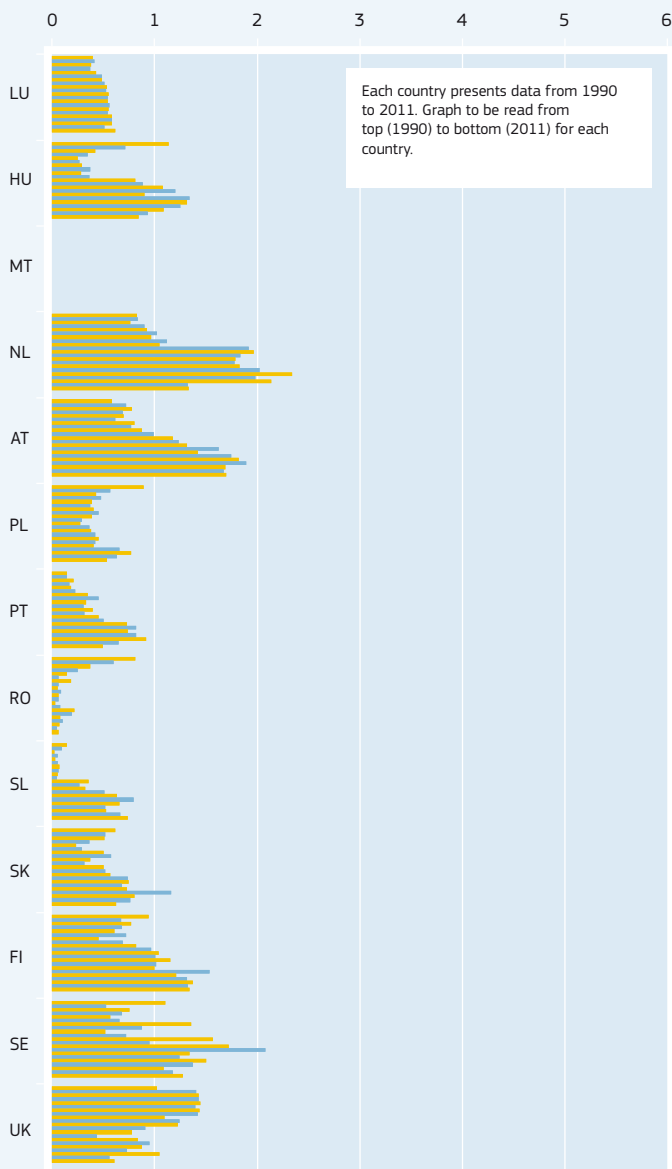
Imports – Electricity

By Member State – BE-LT – 1990-2011 (Mtoe)



Imports – Electricity

By Member State – LU-UK – 1990-2011 (Mtoe)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Imports (by Country of Origin)

EU-27 – Hard Coal

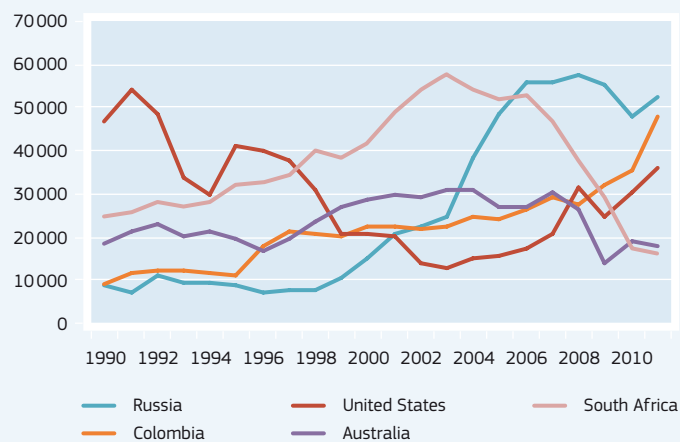
Top 15 – Ordered by 2011 Volume

kton	1995	2000	2005	2009	2010	2011
Russia	8 794	14 953	48 452	54 939	47 639	52 013
Colombia	11 161	22 586	24 236	32 059	35 568	47 617
United States	41 058	20 599	15 736	24 878	30 432	36 064
Australia	19 533	28 608	27 119	13 865	19 251	17 714
South Africa	32 091	41 573	51 631	29 144	17 553	15 902
Indonesia	3 403	9 102	13 131	12 260	9 887	10 281
Not Specified	6 680	5 229	3 358	4 647	6 846	8 066
Canada	4 237	6 378	6 642	2 624	3 637	4 461
Ukraine	348	2 045	4 156	2 914	3 094	4 348
Norway	329	928	1 124	1 502	1 385	1 152
Venezuela	2 821	3 621	2 003	1 313	685	1 083
Kazakhstan	262	0	932	338	332	588
China (except Hong Kong)	2 443	1 853	526	640	61	119
Mozambique	0	107	0	0	0	99
Bosnia and Herzegovina	0	0	0	8	24	35
Other	344	606	1 958	825	745	48

kton	1995	2000	2005	2009	2010	2011
Total Extra-EU	133 504	158 188	201 004	181 956	177 139	199 590
Intra-EU	30 068	31 119	26 478	19 973	22 356	18 864
Total with Intra-EU	163 572	189 307	227 482	201 929	199 495	218 454

EU-27 – Imports – Hard Coal – 1990-2011

Top 5 – Ordered by 2011 Volume (kton)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Imports (by Country of Origin)

EU-27 – Crude Oil and NGL

Top 15 – Ordered by 2011 volume

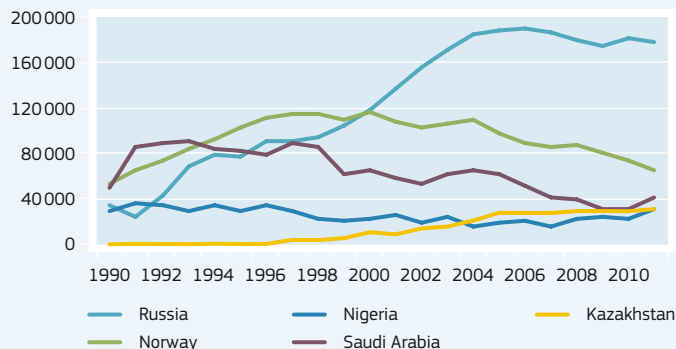
kton	1995	2000	2005	2009	2010	2011
Russia	76 319	118 229	188 079	173 519	180 654	177 085
Norway	102 203	115 904	97 610	80 042	73 078	65 254
Saudi Arabia	82 419	65 143	60 748	29 809	30 774	41 108
Nigeria	28 597	22 407	18 618	23 554	21 918	31 221
Kazakhstan	78	9 915	26 386	28 522	29 705	29 878
Iran	52 467	35 475	35 611	26 234	29 679	29 495
Azerbaijan	0	3 712	7 255	20 656	21 673	24 615
Iraq	0	31 250	12 290	19 828	16 952	18 197
Algeria	17 031	21 417	22 776	11 406	8 256	14 967
Libya	47 978	45 542	50 601	48 108	53 754	14 614
Angola	4 756	3 862	7 065	14 083	8 483	10 926
Other African countries	143	3 035	5 299	7 186	5 314	7 718
Mexico	7 246	9 770	10 647	5 996	6 783	7 192
Egypt	6 950	5 579	1 716	5 141	4 654	5 866
Syria	14 984	13 259	9 027	6 842	7 738	4 808
Other	64 418	35 642	26 817	29 969	28 080	33 051

kton	1995	2000	2005	2009	2010	2011
Total Extra-EU	505 589	540 141	580 545	530 895	527 495	515 995
Intra-EU	50 291	61 651	48 270	36 287	39 637	33 508
Total with Intra-EU	555 880	601 792	628 815	567 182	567 132	549 503

Mio barrels	1995	2000	2005	2009	2010	2011
Total Extra-EU	3 707	3 960	4 256	3 892	3 867	3 783
Intra-EU	369	452	354	266	291	246
Total with Intra-EU	4 075	4 412	4 610	4 158	4 158	4 029

EU-27 – Imports – Crude Oil and NGL – 1990-2011

Top 5 – Ordered by 2011 Volume (kton)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

Imports (by Country of Origin)

EU-27 – Natural Gas

Top 8 – Ordered by 2011 Volume

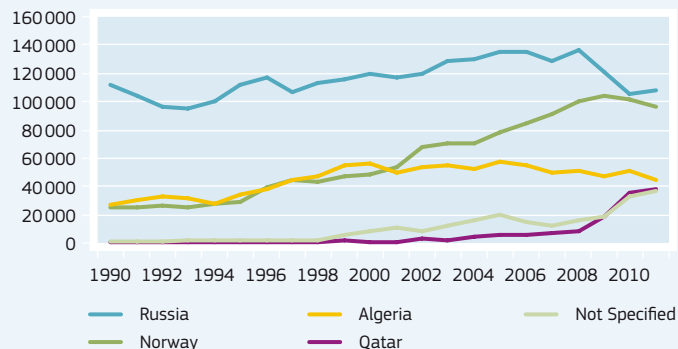
TJ (GCV)	1995	2000	2005	2009	2010	2011
Russia	4 234 713	4 539 709	5 099 721	4 528 271	3 992 749	4 101 546
Norway	1 159 830	1 921 081	3 063 749	4 058 381	3 911 661	3 715 398
Algeria	1 362 649	2 203 075	2 256 826	1 867 044	1 986 351	1 767 006
Qatar	0	12 443	195 713	723 595	1 374 583	1 485 596
Not Specified	58 588	332 289	782 285	723 359	1 252 442	1 392 231
Nigeria	0	172 020	436 319	316 251	576 077	589 290
Egypt	0	0	202 419	277 799	186 284	158 134
Trinidad and Tobago	0	36 334	29 673	294 610	205 267	140 996
Other	101 764	82 524	482 797	546 397	447 432	172 136
Total Extra-EU	6 917 544	9 299 475	12 549 502	13 335 707	13 932 846	13 522 333
Intra-EU	1 451 229	1 933 316	2 218 105	2 530 713	2 824 223	2 844 273
Total with Intra-EU	8 368 773	11 232 791	14 767 607	15 866 420	16 757 069	16 366 606

Mio m ³	1995	2000	2005	2009	2010	2011
Russia	111 860	119 638	134 973	120 048	104 941	107 018
Norway	28 929	47 813	78 217	103 896	100 952	96 228
Algeria	33 698	55 607	57 075	47 072	50 340	44 678
Qatar	0	309	4 859	18 185	34 636	37 595
Not Specified	1 473	8 126	19 724	17 900	31 923	35 850
Nigeria	0	4 385	10 586	7 745	14 015	14 372
Egypt	0	0	4 929	6 804	4 616	3 893
Trinidad and Tobago	0	902	751	7 314	5 111	3 503
Other	2 537	2 102	12 479	14 102	11 665	4 457

Mio m ³	1995	2000	2005	2009	2010	2011
Total Extra-EU	178 497	238 882	323 593	343 066	358 199	347 594
Intra-EU	41 164	54 116	61 479	69 725	74 120	74 568
Total with Intra-EU	219 661	292 998	385 072	412 791	432 319	422 162

EU-27 – Imports – Natural Gas – 1990-2011

Top 5 – Ordered by 2011 Volume (mio m³)



Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

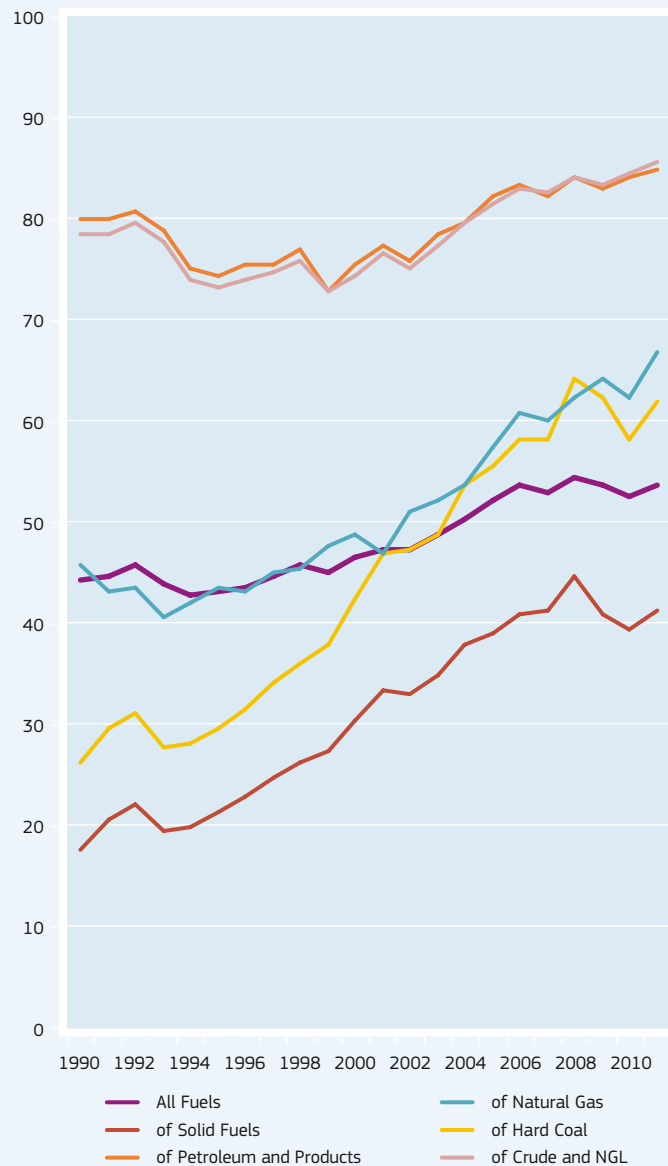
Energy Import Dependency Import Dependency – All Fuels

%	1995	2000	2005	2009	2010	2011
EU-27	43.2	46.7	52.4	53.8	52.6	53.8
Index 1995	100	108	121	124	122	125
BE	80.9	78.1	80.1	74.3	76.8	72.9
BG	57.2	46.5	47.5	45.3	40.1	36.6
CZ	20.6	23.0	28.3	27.1	25.6	27.9
DK	33.3	-35.3	-50.9	-20.4	-16.9	-8.5
DE	56.8	59.5	61.2	61.5	59.8	61.1
EE	32.4	32.0	25.4	21.4	13.1	11.7
IE	69.2	84.6	89.3	88.2	85.6	88.9
EL	66.7	69.5	68.6	67.8	69.1	65.3
ES	71.7	76.7	81.4	79.2	76.8	76.4
FR	48.0	51.6	51.7	51.0	49.1	48.9
IT	82.0	86.5	84.4	82.8	83.8	81.3
CY	100.4	98.6	100.7	96.3	100.7	92.4
LV	70.4	59.7	63.0	58.8	41.6	59.0
LT	63.4	59.8	57.0	50.3	82.0	81.8
LU	97.7	99.6	97.3	97.4	97.0	97.2
HU	48.0	55.2	63.2	58.7	58.3	52.0
MT	104.8	100.3	100.0	101.1	99.1	100.6
NL	18.3	38.7	38.4	36.5	30.7	30.4
AT	66.6	65.6	71.4	65.0	62.1	69.3
PL	0.0	10.6	17.6	31.7	31.6	33.7
PT	85.4	84.9	88.5	81.0	75.4	77.4
RO	30.8	22.0	27.6	20.2	21.7	21.3
SI	50.8	52.6	52.3	48.1	49.4	48.4
SK	68.9	65.0	65.4	66.4	63.0	64.2
FI	53.9	55.3	54.2	54.0	48.3	53.8
SE	37.6	39.2	37.7	37.1	36.7	36.8
UK	-16.2	-17.0	13.4	26.2	28.1	36.0

* Negative Rate Indicates a Net Exporter
 Values Over 100% Indicate Stocks Build Up
 Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 2

Import Dependency – All Fuels

EU-27 – 1990-2011 (%)



Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 2

Import Dependency – Hard Coal

%	1995	2000	2005	2009	2010	2011
EU-27	29.7	42.4	55.6	62.5	58.2	62.1
Index 1995	100	143	187	210	196	209
BE	108.5	90.4	100.9	83.7	100.2	103.0
BG	73.0	100.5	94.8	93.6	88.2	102.9
CZ	-34.2	-56.1	-49.4	-79.1	-58.0	-47.8
DK	118.0	94.8	94.3	98.1	69.3	111.1
DE	17.1	39.2	57.3	72.4	77.3	80.6
EE	102.4	116.1	96.4	34.5	118.3	95.7
IE	105.9	93.2	100.8	111.7	79.3	111.1
EL	95.2	105.8	112.4	78.6	100.5	102.1
ES	48.5	66.8	74.4	85.0	85.9	70.3
FR	58.0	87.3	92.9	94.0	100.6	98.8
IT	105.6	105.7	99.7	97.5	101.5	96.0
CY	100.0	102.0	121.2	123.8	65.4	
LV	92.9	82.5	96.7	93.8	106.6	102.1
LT	69.1	100.0	102.5	82.6	95.2	111.5
LU	100.0	100.0	100.0	100.0	100.0	100.0
HU	103.5	99.0	105.1	96.8	99.5	95.7
MT						
NL	97.4	101.5	100.3	126.1	122.3	101.4
AT	88.3	91.6	106.9	95.3	97.5	82.3
PL	-31.7	-29.9	-21.3	1.9	3.7	8.6
PT	105.9	103.4	96.3	106.8	98.3	97.3
RO	81.7	96.0	102.2	86.2	100.8	96.7
SI	100.0	100.6	93.7	86.5	101.4	93.3
SK	92.9	103.8	105.2	100.7	91.9	98.0
FI	89.0	97.7	102.6	109.8	85.5	126.2
SE	101.5	107.7	104.3	77.6	115.2	101.0
UK	21.8	39.4	71.5	77.7	51.4	63.7

* Negative Rate Indicates a Net Exporter
 Values Over 100% Indicate Stocks Build Up
 Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 2

Import Dependency – Petroleum and Products

%	1995	2000	2005	2009	2010	2011
EU-27	74.3	75.7	82.2	83.2	84.1	84.9
Index 1995	100	102	111	112	113	114
BE	99.6	100.2	100.8	95.4	98.0	98.7
BG	99.6	95.6	101.9	101.3	100.8	97.7
CZ	97.9	95.3	97.5	96.6	96.3	95.0
DK	11.0	-81.1	-103.9	-60.4	-45.7	-48.7
DE	95.8	94.5	97.0	95.2	95.8	94.2
EE	80.4	77.2	69.4	64.7	56.3	55.6
IE	100.2	98.8	99.7	99.2	97.5	101.7
EL	98.4	100.2	97.7	96.7	98.5	94.5
ES	101.5	101.0	101.2	98.9	99.9	99.8
FR	96.9	99.5	99.4	97.6	97.7	98.0
IT	93.3	96.0	91.7	91.2	92.7	90.2
CY	102.6	100.3	102.3	98.9	104.2	95.8
LV	102.6	94.3	102.4	99.4	93.6	103.2
LT	114.1	100.1	92.0	90.1	98.7	91.6
LU	98.3	102.1	99.4	100.1	99.4	99.6
HU	71.1	76.0	81.3	77.6	84.2	82.3
MT	104.8	100.3	100.0	101.1	99.3	100.6
NL	84.8	99.8	97.1	97.1	93.4	91.5
AT	89.3	89.1	91.6	90.4	88.6	90.4
PL	96.0	98.7	97.4	98.3	96.7	95.5
PT	100.6	99.3	102.3	99.0	98.0	99.9
RO	49.2	34.6	38.1	51.1	51.7	46.6
SI	97.8	101.5	101.3	98.3	100.5	99.5
SK	100.7	89.7	88.4	88.0	88.9	90.2
FI	94.7	101.9	96.4	96.5	89.3	97.2
SE	95.3	100.8	103.8	101.8	93.7	98.6
UK	-57.1	-54.6	-3.1	7.6	14.5	26.8

* Negative Rate Indicates a Net Exporter
 Values Over 100% Indicate Stocks Build Up
 Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 2

Import Dependency – Crude and NGL

%	1995	2000	2005	2009	2010	2011
EU-27	73.2	74.4	81.4	83.5	84.7	85.6
Index 1995	100	102	111	114	116	117
BE	99.8	100.2	99.5	99.7	99.9	100.3
BG	99.7	98.7	97.7	98.6	99.1	98.2
CZ	100.2	95.3	99.3	97.2	97.5	97.3
DK	6.3	-120.5	-141.3	-65.0	-68.8	-62.8
DE	96.9	93.8	97.3	96.9	97.0	96.3
EE						
IE	100.2	89.8	98.9	95.7	101.6	100.7
EL	98.8	99.5	95.2	98.0	99.5	96.5
ES	99.1	100.6	100.1	99.3	99.3	99.7
FR	95.8	98.5	98.2	98.2	98.2	97.9
IT	92.8	95.1	94.0	94.6	94.5	91.8
CY	96.3	98.5				
LV						
LT	99.5	94.5	95.3	98.4	99.0	98.3
LU						
HU	72.0	78.6	81.2	80.8	85.3	85.6
MT						
NL	93.8	97.7	96.7	97.9	97.6	95.9
AT	87.6	87.0	88.5	88.0	86.2	88.1
PL	97.1	99.1	97.3	98.0	98.4	97.2
PT	100.0	99.0	100.2	98.7	98.9	100.7
RO	54.9	43.5	61.3	61.0	56.5	55.0
SI	95.9	86.9				
SK	101.5	97.6	97.7	99.8	99.9	100.2
FI	94.1	101.5	97.5	98.2	101.1	98.9
SE	99.3	100.6	100.4	98.3	99.0	100.5
UK	-47.7	-48.0	-0.2	7.7	12.7	28.6

* Negative Rate Indicates a Net Exporter
 Values Over 100% Indicate Stocks Build Up
 Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 2

Import Dependency – Natural Gas

%	1995	2000	2005	2009	2010	2011
EU-27	43.5	48.9	57.7	64.3	62.4	67.0
Index 1995	100	112	133	148	143	154
BE	98.2	99.3	100.6	99.0	99.0	100.1
BG	99.5	93.5	87.7	98.6	92.6	86.1
CZ	98.0	99.8	97.8	104.6	85.2	110.8
DK	-47.2	-64.8	-113.9	-91.9	-68.3	-66.3
DE	78.6	79.1	81.3	87.9	81.9	86.1
EE	100.0	100.0	100.0	100.0	100.0	100.0
IE	3.6	72.1	86.7	92.5	93.4	93.1
EL		99.1	99.1	99.7	99.9	100.0
ES	97.4	101.6	101.4	98.9	99.4	101.4
FR	93.0	100.0	99.3	100.9	93.0	103.3
IT	63.9	81.1	84.7	88.6	90.5	90.2
CY						
LV	99.0	101.9	105.6	114.1	61.8	109.4
LT	100.0	100.0	100.6	100.4	99.7	100.3
LU	100.0	100.0	100.0	100.0	100.0	99.9
HU	60.3	75.4	81.1	85.6	78.7	65.6
MT						
NL	-76.4	-49.1	-59.3	-61.2	-61.6	-68.6
AT	84.8	80.6	87.7	85.8	74.4	103.2
PL	64.6	66.3	69.7	67.3	69.3	75.1
PT		100.3	103.8	101.2	100.4	101.6
RO	24.9	19.8	30.1	15.1	16.8	22.2
SI	100.6	99.3	99.6	99.7	99.3	99.8
SK	86.8	98.8	97.5	108.6	99.9	104.8
FI	100.0	100.0	100.0	100.0	100.0	100.0
SE	100.0	100.0	100.0	100.0	100.0	100.0
UK	1.0	-10.7	7.0	31.6	37.7	44.2

* Negative Rate Indicates a Net Exporter
 Values Over 100% Indicate Stocks Build Up
 Source: Eurostat, April 2013
 Methodology and Notes: See Appendix 13 – No 2

Final Energy

Available for Final Consumption

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	1 181.4	1 234.5	1 313.7	1 222.5	1 265.5	1 216.0
Index 1995	100%	104%	111%	103%	107%	103%
BE	39.85	44.49	44.17	42.17	44.88	44.54
BG	12.89	9.81	10.44	8.86	8.80	9.54
CZ	27.94	27.29	29.40	26.85	28.57	27.12
DK	15.03	15.02	15.46	14.90	15.78	15.10
DE	246.78	252.56	262.97	241.82	245.99	234.29
EE	3.06	2.68	2.95	2.83	2.99	2.77
IE	8.20	10.81	11.57	11.66	11.90	11.03
EL	16.30	18.97	21.25	21.07	19.66	18.91
ES	72.15	88.43	105.56	95.43	95.30	92.71
FR	157.87	167.74	178.49	167.33	171.34	163.55
IT	124.86	133.75	142.65	129.92	133.28	132.19
CY	1.46	1.73	1.78	1.99	1.95	1.91
LV	3.93	3.16	4.00	3.93	4.09	3.81
LT	5.13	4.28	5.39	5.31	5.46	5.91
LU	3.18	3.56	4.49	4.09	4.33	4.31
HU	18.08	17.67	20.30	18.25	18.62	18.15
MT	0.26	0.44	0.41	0.41	0.50	0.68
NL	57.22	60.95	65.39	65.13	70.55	65.21
AT	22.75	25.43	29.89	28.26	30.25	28.89
PL	67.12	58.93	63.32	66.99	71.72	71.40
PT	15.78	19.98	21.56	19.77	19.83	19.02
RO	30.30	24.98	27.15	24.52	25.00	24.99
SI	4.20	4.68	5.20	5.05	5.18	5.09
SK	12.10	12.56	12.61	11.62	12.84	12.24
FI	21.84	25.33	27.20	25.86	27.99	26.82
SE	36.57	36.07	35.09	32.75	37.14	35.58
UK	156.48	163.20	165.02	145.72	151.57	140.27

Final Energy Consumption

Total

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	1 072.2	1 121.5	1 191.9	1 110.1	1 152.5	1 103.3
Index 1995	100%	105%	111%	104%	107%	103%
BE	34.35	37.36	36.59	34.50	36.94	38.89
BG	11.41	8.93	10.03	8.62	8.87	9.29
CZ	26.21	24.71	26.00	24.49	25.57	24.63
DK	14.82	14.72	15.50	14.80	15.47	14.68
DE	220.66	219.08	229.54	213.16	217.37	207.09
EE	2.58	2.42	2.87	2.77	2.91	2.84
IE	7.92	10.65	12.51	11.76	11.82	10.80
EL	15.71	18.56	20.82	20.54	19.03	18.84
ES	63.72	79.55	97.47	87.67	89.09	86.53
FR	144.33	154.79	162.40	153.21	158.67	148.07
IT	114.58	124.72	134.62	121.15	124.77	122.31
CY	1.41	1.63	1.82	1.93	1.92	1.90
LV	3.82	3.26	4.02	4.04	4.27	3.98
LT	4.60	3.77	4.60	4.60	4.76	4.70
LU	3.13	3.52	4.44	4.06	4.30	4.28
HU	16.19	16.10	18.17	16.41	16.66	16.28
MT	0.35	0.44	0.39	0.44	0.45	0.45
NL	47.98	50.48	52.29	50.41	53.98	50.66
AT	21.38	23.67	28.15	26.48	28.42	27.33
PL	62.81	55.59	58.20	61.03	66.45	64.69
PT	13.74	17.74	18.96	18.26	18.14	17.35
RO	26.95	22.73	25.08	22.43	22.51	22.58
SI	4.06	4.43	4.87	4.80	4.95	4.95
SK	10.66	10.55	11.07	10.22	11.57	10.80
FI	21.86	24.65	25.52	24.17	26.56	25.18
SE	34.92	34.85	33.62	31.49	34.55	32.17
UK	142.0	152.6	152.3	136.7	142.5	132.0

Final Energy Consumption

By Sector

Mtoe	2011						
	Transport	Industry	Households	Services	Agriculture	Fishing	Other
EU-27	364.1	287.1	272.7	140.5	23.6	0.9	14.3
Share – %	33.0%	26.0%	24.7%	12.7%	2.1%	0.1%	1.3%
BE	10.70	13.27	7.41	4.41	0.82		2.28
BG	2.94	2.71	2.38	1.05	0.21	0.00	
CZ	6.33	8.57	5.89	3.02	0.55	0.00	0.27
DK	5.14	2.38	4.37	1.96	0.68	0.14	0.01
DE	62.33	59.99	52.93	29.86	0.77		1.21
EE	0.78	0.61	0.94	0.41	0.11	0.00	
IE	4.31	2.18	2.73	1.32	0.25		
EL	7.67	3.32	5.45	1.87	0.25	0.00	0.27
ES	36.04	21.18	16.22	9.54	2.06	0.00	1.49
FR	50.06	30.36	36.95	20.90	4.02	0.31	5.47
IT	42.04	30.13	31.32	15.75	2.70	0.22	0.15
CY	1.04	0.19	0.31	0.22	0.04	0.00	0.09
LV	1.19	0.74	1.32	0.58	0.14	0.01	0.00
LT	1.53	0.94	1.53	0.59	0.11	0.00	0.00
LU	2.74	0.66	0.43	0.42	0.02		
HU	4.27	2.84	5.52	3.15	0.49	0.00	
MT	0.27	0.05	0.07	0.06			0.00
NL	15.31	14.18	9.75	8.17	3.24	0.02	
AT	8.73	8.67	6.44	2.94	0.54	0.00	
PL	17.77	16.16	19.01	8.10	3.64		0.00
PT	6.94	5.34	2.79	1.85	0.32	0.11	0.00
RO	5.16	7.11	7.86	1.77	0.43		0.25
SI	1.93	1.24	1.17	0.53	0.07		0.02
SK	2.66	4.25	2.12	1.60	0.16		
FI	5.05	11.23	5.04	1.85	0.65	0.04	1.32
SE	9.10	11.11	6.96	4.53	0.44	0.03	
UK	52.06	27.65	35.84	14.08	0.92		1.48

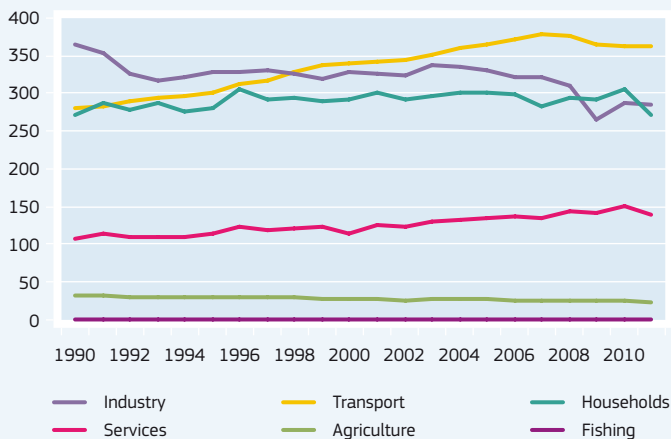
Final Energy Consumption

By Fuel

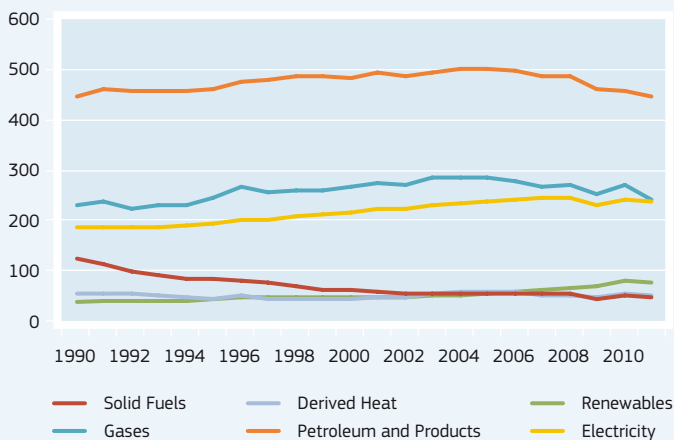
Mtoe	2011						
	Petroleum and Products	Gases	Electricity	Renewables	Derived Heat	Solid Fuels	Waste Non-Renewable
EU-27	444.6	241.1	238.0	76.8	48.9	48.8	5.2
Share – %	40.3%	21.9%	21.6%	7.0%	4.4%	4.4%	0.5%
BE	14.51	12.28	6.89	1.23	0.74	1.14	2.10
BG	3.05	1.28	2.44	1.00	1.04	0.46	0.02
CZ	6.55	5.98	4.87	1.91	2.10	3.07	0.15
DK	6.45	1.59	2.70	1.27	2.50	0.14	0.02
DE	79.70	47.70	44.84	13.87	10.04	10.04	0.91
EE	0.97	0.20	0.57	0.50	0.47	0.12	
IE	6.31	1.48	2.14	0.30		0.56	0.01
EL	11.65	1.08	4.45	1.38	0.05	0.22	
ES	44.05	14.42	20.63	5.80		1.64	
FR	65.30	26.95	36.09	11.51	3.66	4.26	0.29
IT	48.49	35.53	25.95	5.49	3.19	3.41	0.25
CY	1.38		0.41	0.10	0.00	0.01	0.00
LV	1.40	0.40	0.53	1.00	0.50	0.11	0.04
LT	1.59	0.53	0.74	0.73	0.87	0.24	
LU	2.93	0.61	0.56	0.09	0.03	0.06	0.01
HU	4.55	5.97	2.97	1.21	1.01	0.52	0.04
MT	0.29		0.16	0.00			
NL	18.27	18.79	9.24	0.86	2.07	1.43	
AT	10.22	4.89	5.29	3.65	1.75	1.06	0.48
PL	20.54	9.10	10.48	5.46	6.42	12.07	0.61
PT	8.62	1.64	4.16	2.53	0.33	0.02	0.04
RO	6.48	6.24	3.67	3.65	1.66	0.84	0.03
SI	2.47	0.58	1.08	0.55	0.19	0.05	0.02
SK	2.19	3.53	2.13	0.62	0.77	1.53	0.02
FI	7.58	0.98	6.90	4.71	4.08	0.89	0.03
SE	10.21	0.72	10.72	5.19	4.13	1.20	
UK	58.85	38.58	27.34	2.17	1.27	3.73	0.08

Final Energy Consumption

By Sector – EU-27 – 1990-2011 (Mtoe)



By Fuel – EU-27 – 1990-2011 (Mtoe)



Final Non-Energy Consumption

Total

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	110.7	118.2	122.0	109.6	114.8	114.6
Index 1995	100%	107%	110%	99%	104%	104%
BE	5.82	6.74	7.52	7.25	7.59	7.65
BG	1.23	0.98	0.85	0.57	0.41	0.50
CZ	2.52	2.19	3.00	2.57	2.78	2.59
DK	0.32	0.30	0.29	0.25	0.26	0.29
DE	27.33	31.19	31.33	27.65	29.74	29.91
EE	0.18	0.18	0.18	0.06	0.05	0.04
IE	0.55	0.55	0.31	0.16	0.27	0.28
EL	0.49	0.72	0.76	0.91	1.11	0.88
ES	7.87	9.40	8.35	7.15	7.03	6.77
FR	17.82	18.25	16.36	13.59	13.46	13.90
IT	9.73	8.43	8.61	8.49	9.56	11.01
CY	0.06	0.08	0.07	0.07	0.08	0.07
LV	0.04	0.07	0.10	0.08	0.07	0.10
LT	0.54	0.66	0.80	0.73	0.71	1.22
LU	0.05	0.04	0.02	0.02	0.03	0.03
HU	1.60	1.58	2.16	1.89	1.98	1.98
MT			0.02	0.01	0.01	0.01
NL	9.25	10.49	13.01	14.65	15.48	13.93
AT	1.38	1.72	1.72	1.80	1.85	1.59
PL	3.71	4.36	4.54	4.62	4.88	4.89
PT	2.06	2.33	2.51	1.53	1.74	1.73
RO	1.24	1.88	2.60	2.38	2.31	2.40
SI	0.12	0.24	0.31	0.23	0.21	0.12
SK	1.17	1.63	1.52	1.39	1.27	1.44
FI	1.17	1.11	1.33	1.58	1.45	1.34
SE	1.99	1.73	2.29	1.76	2.11	1.93
UK	12.49	11.32	11.45	8.23	8.35	8.04

Primary Energy Intensity

Total

Mtoe	1995	2000	2005	2009	2010	2011
EU-27	1 557.9	1 606.7	1 702.8	1 592.4	1 644.6	1 583.0
Index 1995	100%	103%	109%	102%	106%	102%
BE	48.32	52.47	51.46	50.85	53.91	52.03
BG	22.18	17.73	19.23	17.02	17.52	18.78
CZ	39.18	39.08	42.27	39.85	42.01	40.72
DK	19.96	19.49	19.47	19.00	20.02	18.70
DE	314.84	312.43	314.67	298.79	306.36	286.40
EE	5.36	4.78	5.38	5.25	6.06	6.12
IE	10.42	13.65	14.80	14.56	14.73	13.58
EL	23.38	27.55	30.63	29.79	27.73	27.04
ES	94.28	114.45	136.03	123.29	122.94	121.76
FR	223.81	239.70	260.26	246.28	254.00	245.42
IT	153.21	167.37	179.92	161.48	165.97	161.93
CY	1.89	2.31	2.45	2.72	2.63	2.61
LV	4.58	3.67	4.39	4.25	4.47	4.15
LT	8.17	6.49	7.97	7.81	6.16	5.84
LU	3.29	3.62	4.79	4.36	4.63	4.56
HU	24.67	23.72	25.54	23.47	24.00	23.25
MT		0.95	0.83	0.94	1.12	
NL	64.01	66.08	69.51	66.96	71.55	67.38
AT	25.95	27.46	32.68	30.88	33.17	32.36
PL	96.29	85.46	88.53	90.69	96.89	97.29
PT	18.59	22.77	24.90	23.40	22.63	22.17
RO	45.97	34.95	36.75	33.13	33.35	33.95
SI	5.94	6.19	6.99	6.89	7.04	7.14
SK	16.79	16.34	17.57	15.41	16.63	15.98
FI	28.38	31.81	33.74	32.77	35.98	34.41
SE	48.32	45.93	49.45	43.97	49.41	47.58
UK	209.40	220.41	222.46	198.73	203.87	190.74

Electricity

Installed Electricity Capacity

Total

MW	1995	2000	2005	2009	2010	2011
EU-27*	609 960	685 081	750 918	833 475	875 018	919 275
BE	14 917	15 685	16 096	17 496	18 322	20 098
BG			12 260	9 597	10 027	10 236
CZ	13 803	15 323	17 406	18 326	19 829	20 181
DK	10 841	12 316	13 035	13 393	13 435	13 580
DE	116 226	118 381	125 031	146 948	156 983	171 681
EE		2 800	2 559	2 665	2 751	2 825
IE	4 060	4 707	6 270	7 634	8 526	8 791
EL	8 942	10 904	13 306	14 223	15 115	16 521
ES	45 900	53 924	76 574	96 576	101 788	102 804
FR	107 616	114 681	115 787	119 023	124 550	131 353
IT	65 923	75 510	85 498	101 447	106 488	118 443
CY		988	1 125	1 428	1 565	1 742
LV	2 068	2 092	2 165	2 501	2 557	2 576
LT	5 866	5 716	4 556	4 714	3 570	3 691
LU	1 250	1 220	1 683	1 703	1 723	1 740
HU	7 404	8 282	8 586	8 867	8 993	9 654
MT				571	571	571
NL	19 034	21 062	21 800	25 992	26 686	28 049
AT	17 394	17 802	19 097	20 999	21 410	22 787
PL	29 482	30 559	32 257	33 032	33 360	34 554
PT	9 318	10 899	13 391	17 392	18 919	19 938
RO			18 950	19 551	19 911	20 498
SI	2 518	2 614	2 992	3 050	3 193	3 268
SK	7 238	7 454	8 257	7 154	7 874	8 056
FI	14 434	16 261	16 468	16 343	16 693	16 692
SE	33 625	33 724	33 390	35 285	36 454	35 128
UK	70 125	78 393	82 379	87 565	93 725	93 818

Installed Electricity Capacity

By Fuel

MW	2011						
	Installed Electricity Capacity	Combustible Fuels	Hydro	Nuclear	Wind	Solar	Other
EU-27	919 275	487 667	146 768	132 071	94 099	52 066	6 604
BE	20 098	10 285	1 426	5 927	1 069	1 391	
BG	10 236	4 541	3 108	1 892	541	154	
CZ	20 181	11 888	2 197	3 970	213	1 913	
DK	13 580	9 603	9		3 951	17	
DE	171 681	81 837	11 562	20 467	29 071	25 039	3 705
EE	2 825	2 640	5		180		
IE	8 791	6 431	529		1 631		200
EL	16 521	11 048	3 224		1 640	609	
ES	102 804	49 786	18 540	7 450	21 547	5 481	
FR	131 353	31 928	25 332	63 130	6 691	2 760	1 512
IT	118 443	75 977	21 737		6 918	12 773	1 038
CY	1 742	1 591			134	10	7
LV	2 576	964	1 576		36		
LT	3 691	2 588	876		202		25
LU	1 740	520	1 134		45	41	
HU	9 654	7 264	55	2 000	331	4	
MT	571	571					
NL	28 049	24 970	37	510	2 316	145	71
AT	22 787	8 178	13 211		1 080	317	1
PL	34 554	30 407	2 346		1 800	1	
PT	19 938	9 936	5 551		4 256	170	25
RO	20 498	11 616	6 483	1 411	988		
SI	3 268	1 270	1 253	688		57	
SK	8 056	3 382	2 523	1 940	3	189	19
FI	16 692	10 630	3 156	2 700	199	7	
SE	35 128	6 546	16 478	9 323	2 769	12	
UK	93 818	71 270	4 420	10 663	6 488	976	1

Installed Electricity Capacity*

Renewables

MW	2011								
	Hydro	Wind	Solar	Wood, Wood Waste	Municipal Waste	Biogas	Liquid Biofuels	Geothermal, Tide, Wave and Ocean	
EU-27	146 768	94 099	52 066	16 874	6 158	7 191	1 102	1 011	
RES share(%)	45.0%	28.8%	16.0%	5.2%	1.9%	2.2%	0.3%	0.3%	
BE	1 426	1 069	1 391	701	240	129	81		
BG	3 108	541	154			5			
CZ	2 197	213	1 913	306	43	177			
DK	9 395	17	920	295	77				
DE	11 562	29 071	25 039	2 148	1 486	3 233	243	7	
EE	5	180		63		4			
IE	529	1 631		5		34			
EL	3 224	1 640	609			45			
ES	18 540	21 547	5 481	563	224	209			
FR	25 332	6 691	2 760	324	910	233		242	
IT	21 737	6 918	12 773	421	742	732	736	728	
CY		134	10			9		7	
LV	1 576	36		5		25			
LT	876	202		18		15			
LU	1 134	45	41		19	10			
HU	55	331	4	436	38	45			
MT									
NL	37	2 316	145	713	649	217	17		
AT	13 211	1 080	317	2 394	459	607	25	1	
PL	2 346	1 800	1	175		102			
PT	5 551	4 256	170	478	76	44		25	
RO	6 483	988		26		4			
SI	1 253		57	33		21			
SK	2 523	3	189	171	5	21			
FI	3 156	199	7	1 910					
SE	16 478	2 769	12	3 397	571	4			
UK	4 420	6 488	976	1 667	401	1 189		1	

Gross Electricity Generation

Total

TWh	1995	2000	2005	2009	2010	2011
EU-27	2 734.0	3 025.2	3 310.6	3 203.5	3 346.2	3 279.6
Index 1995	100%	111%	121%	117%	122%	120%
BE	74.41	84.01	87.03	91.23	95.12	90.17
BG	41.79	40.92	44.37	42.96	46.65	50.80
CZ	60.85	73.47	82.58	82.25	85.91	87.45
DK	36.76	36.05	36.25	36.38	38.79	35.17
DE	537.28	576.54	620.57	590.37	628.98	608.87
EE	8.79	8.51	10.21	8.78	12.96	12.89
IE	17.86	23.98	25.97	28.31	28.61	27.48
EL	41.55	53.84	60.02	61.37	57.39	59.44
ES	167.09	224.47	294.08	294.62	301.53	291.76
FR	494.07	540.73	576.20	535.85	569.10	561.98
IT	241.49	276.64	303.70	292.64	302.06	302.57
CY	2.50	3.37	4.38	5.22	5.32	4.93
LV	3.98	4.14	4.91	5.57	6.63	6.10
LT	13.90	11.43	14.78	15.36	5.75	4.82
LU	1.23	1.17	4.13	3.88	4.59	3.72
HU	34.02	35.19	35.76	35.91	37.37	35.98
MT	1.63	1.92	2.24	2.17	2.11	2.19
NL	80.93	89.63	100.22	113.50	118.14	112.97
AT	56.23	61.26	66.41	69.08	71.13	65.70
PL	139.01	145.18	156.94	151.72	157.66	163.55
PT	33.27	43.76	46.58	50.21	54.09	52.46
RO	59.27	51.93	59.41	58.01	60.98	62.22
SI	12.91	13.62	15.12	16.40	16.43	16.06
SK	26.77	31.16	31.46	26.16	27.86	28.66
FI	64.04	69.97	70.57	72.06	80.67	73.48
SE	148.35	145.27	158.44	136.73	148.61	150.38
UK	334.04	377.07	398.36	376.78	381.77	367.80

Gross Electricity Generation

By Fuel

TWh	2011						
	Gross Electricity Generation	Nuclear	Solid Fuels	Gases	Renewables	Petroleum and Products	Other
EU-27	3 279.6	906.8	848.7	726.5	699.5	73.6	24.5
Share – %	100.0%	27.6%	25.9%	22.2%	21.3%	2.2%	0.7%
BE	90.17	48.23	3.40	27.41	9.60	0.29	1.23
BG	50.80	16.31	27.54	2.08	4.71	0.14	0.02
CZ	87.45	28.28	47.01	4.05	7.95	0.10	0.06
DK	35.17		13.97	5.81	14.16	0.45	0.78
DE	608.87	107.97	262.47	93.03	129.36	6.81	9.23
EE	12.89		10.99	0.68	1.18	0.04	0.00
IE	27.48		6.92	14.89	5.43	0.24	0.00
EL	59.44		31.06	13.94	8.41	5.92	0.11
ES	291.76	57.73	43.76	85.69	88.54	15.17	0.87
FR	561.98	442.38	15.10	28.96	69.86	3.46	2.21
IT	302.57		44.73	149.96	84.89	19.89	3.11
CY	4.93				0.18	4.75	0.00
LV	6.10		0.00	3.01	3.08	0.00	0.00
LT	4.82			2.67	1.69	0.21	0.26
LU	3.72			2.34	1.31	0.00	0.06
HU	35.98	15.69	6.48	10.83	2.71	0.14	0.13
MT	2.19				0.01	2.18	0.00
NL	112.97	4.14	21.39	71.78	12.32	1.45	1.88
AT	65.70		5.42	14.30	44.35	1.01	0.62
PL	163.55		139.85	7.41	13.57	2.45	0.26
PT	52.46		9.85	14.92	24.69	2.68	0.33
RO	62.22	11.75	24.78	8.39	16.53	0.77	0.00
SI	16.06	6.22	5.31	0.49	4.02	0.02	0.01
SK	28.66	15.41	3.55	3.63	5.37	0.59	0.10
FI	73.48	23.19	15.22	9.97	24.15	0.42	0.53
SE	150.38	60.48	1.26	2.28	84.18	0.79	1.39
UK	367.80	68.98	108.58	147.95	37.31	3.67	1.30

Gross Electricity Generation

Renewables

TWh	2011						
	Renewables	Hydro	Wind	Biomass and Renewable Wastes	Solar	Geothermal	Tide, Wave and Ocean
EU-27	699.5	335.2	179.0	132.6	46.3	5.9	0.5
Share – %	100%	48%	26%	19%	7%	1%	0%
BE	9.60	1.42	2.31	4.70	1.17		
BG	4.71	3.69	0.86	0.06	0.10		
CZ	7.95	2.66	0.40	2.71	2.18		
DK	14.16	0.02	9.77	4.36	0.02		
DE	129.36	23.51	48.88	37.60	19.34	0.02	
EE	1.18	0.03	0.37	0.78			
IE	5.43	0.71	4.38	0.34			
EL	8.41	4.28	3.32	0.21	0.61		
ES	88.54	32.91	42.43	4.52	8.68		
FR	69.86	49.89	12.24	5.15	2.05		0.53
IT	84.89	47.76	9.86	10.82	10.80	5.65	
CY	0.18		0.11	0.05	0.01		
LV	3.08	2.89	0.07	0.12			
LT	1.69	1.06	0.48	0.16			
LU	1.31	1.13	0.06	0.09	0.03		
HU	2.71	0.22	0.63	1.86	0.00		
MT	0.01				0.01		
NL	12.32	0.06	5.10	7.06	0.10		
AT	44.35	37.72	1.93	4.53	0.17	0.00	
PL	13.57	2.76	3.21	7.60			
PT	24.69	12.12	9.16	2.92	0.28	0.21	
RO	16.53	14.95	1.39	0.20			
SI	4.02	3.70		0.25	0.07		
SK	5.37	4.15	0.01	0.82	0.40		
FI	24.15	12.45	0.48	11.22	0.01		
SE	84.18	66.56	6.08	11.54	0.01		
UK	37.31	8.59	15.50	12.97	0.25		

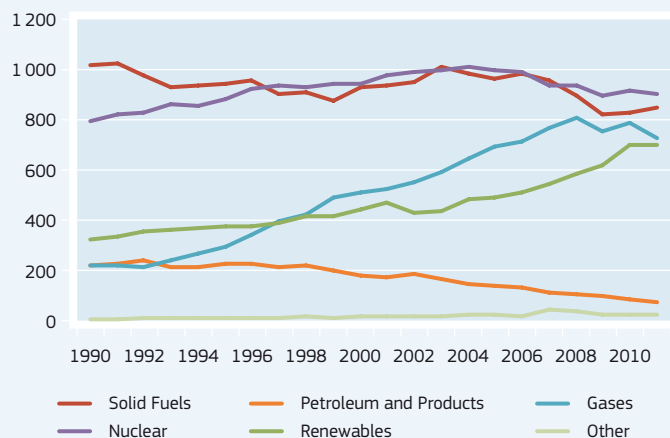
Gross Electricity Generation

EU-27 – By Fuel

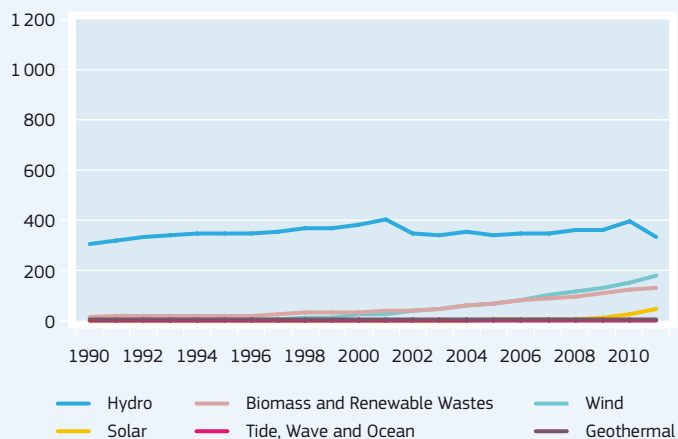
Share of Total (%)	2011				
	Nuclear	Solid Fuels	Gases	Renewables	Petroleum and Products
1990	30.7	39.4	8.6	12.5	8.6
1991	31.2	38.9	8.2	12.8	8.7
1992	31.6	37.3	8.1	13.5	9.1
1993	33.0	35.6	9.1	13.8	8.3
1994	32.3	35.2	10.1	14.0	8.0
1995	32.2	34.6	10.7	13.8	8.3
1996	32.7	33.7	12.0	13.3	7.9
1997	32.9	31.7	13.8	13.7	7.4
1998	32.0	31.3	14.5	14.2	7.4
1999	32.1	29.9	16.6	14.2	6.8
2000	31.2	30.8	16.9	14.6	5.9
2001	31.5	30.2	17.0	15.1	5.5
2002	31.6	30.4	17.7	13.8	5.9
2003	30.9	31.4	18.4	13.6	5.1
2004	30.7	29.9	19.7	14.6	4.4
2005	30.1	29.2	21.0	14.7	4.2
2006	29.5	29.4	21.3	15.3	4.0
2007	27.8	28.5	22.9	16.2	3.3
2008	27.8	26.6	24.0	17.4	3.1
2009	27.9	25.6	23.5	19.3	3.0
2010	27.4	24.8	23.6	20.9	2.6
2011	27.6	25.9	22.2	21.3	2.2

Gross Electricity Generation

EU-27 – Gross Electricity Generation – By Fuel – 1990-2011 (TWh)



EU-27 – Gross Electricity Generation – Renewables – 1990-2011 (TWh)



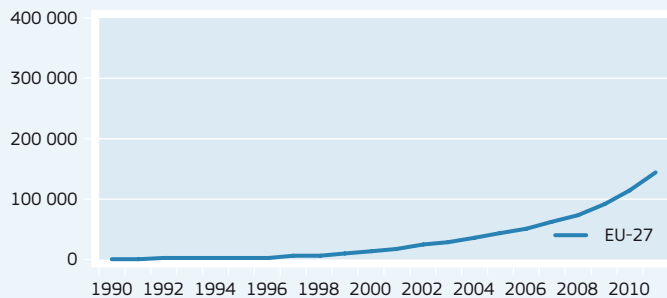
Market Share of the Largest Electricity Producer

%	1999	2000	2005	2009	2010	2011
BE	92.3	91.1	85.0	77.7	79.1	70.7
BG						
CZ	71.0	69.2	72.0	73.7	73.0	69.4
DK	40.0	36.0	33.0	47.0	46.0	42.0
DE	28.1	34.0	31.0	26.0	28.4	
EE	93.0	91.0	92.0	90.0	89.0	87.0
IE	97.0	97.0	71.0	37.0	34.0	38.0
EL						
ES	51.8	42.4	35.0	32.9	24.0	23.5
FR	93.8	90.2	89.1	87.3	86.5	86.0
IT	71.1	46.7	38.6	29.8	28.0	27.0
CY	99.7	99.6	100.0	100.0	100.0	100.0
LV	96.5	95.8	92.7	87.0	88.0	86.0
LT	73.7	72.8	70.3	70.9	35.4	24.9
LU					85.4	82.0
HU	38.9	41.3	38.7	43.1	42.1	44.1
MT	100.0	100.0	100.0	100.0	100.0	100.0
NL						
AT	21.4	32.6				55.3
PL	20.8	19.5	18.5	18.1	17.4	17.8
PT	57.8	58.5	53.9	52.4	47.2	44.9
RO			36.4	29.3	33.6	26.0
SI			50.1	55.0	56.3	52.4
SK	83.6	85.1	83.6	81.7	80.9	77.7
FI	26.0	23.3	23.0	24.5	26.6	25.6
SE	52.8	49.5	47.0	44.0	42.0	41.0
UK	21.0	20.6	20.5	24.5	21.0	45.6

Intermittent Energy Cumulative Capacity

MW	1995	2000	2005	2009	2010	2011
EU-27	2 496.0	12 906.0	42 204.0	91 220.0	114 468.0	146 165.0
BE	5.00	14.00	169.00	994.00	1 816.00	2 460.00
BG			8.00	335.00	513.00	695.00
CZ		1.00	23.00	658.00	1 940.00	2 126.00
DK	617.00	2 391.00	3 130.00	3 487.00	3 809.00	3 968.00
DE	1 155.00	6 209.00	19 936.00	35 577.00	44 529.00	54 110.00
EE			31.00	104.00	108.00	180.00
IE	6.00	115.00	494.00	1 264.00	1 389.00	1 631.00
EL	27.00	226.00	492.00	996.00	1 500.00	2 249.00
ES	105.00	2 218.00	9 978.00	22 946.00	25 346.00	27 028.00
FR	5.00	64.00	736.00	4 845.00	7 024.00	9 451.00
IT	38.00	382.00	1 669.00	6 021.00	9 264.00	19 691.00
CY			1.00	4.00	89.00	144.00
LV	1.00	2.00	26.00	29.00	30.00	36.00
LT			1.00	98.00	133.00	202.00
LU		14.00	59.00	69.00	73.00	86.00
HU			17.00	204.00	295.00	335.00
MT						
NL	252.00	460.00	1 275.00	2 290.00	2 325.00	2 461.00
AT	1.00	55.00	808.00	1 065.00	1 135.00	1 397.00
PL		4.00	121.00	709.00	1 108.00	1 801.00
PT	8.00	84.00	1 066.00	3 441.00	3 930.00	4 426.00
RO			15.00	388.00	988.00	
SI				4.00	12.00	57.00
SK			5.00	4.00	23.00	192.00
FI	7.00	41.00	86.00	153.00	204.00	206.00
SE	69.00	212.00	497.00	1 457.00	2 030.00	2 781.00
UK	200.00	414.00	1 576.00	4 451.00	5 455.00	7 464.00

Intermittent Energy Cumulative Capacity – All Fuels – 1990-2011 (MW)

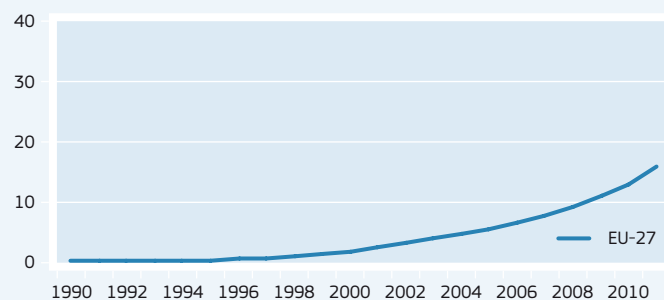


Cumulative Capacity

Share of Intermittent Energy

%	1995	2000	2005	2009	2010	2011
EU-27	0.4	1.9	5.6	10.9	13.1	15.9
BE	0.03	0.09	1.05	5.68	9.91	12.24
BG			0.07	3.49	5.12	6.79
CZ		0.01	0.13	3.59	9.78	10.53
DK	5.69	19.41	24.01	26.04	28.35	29.22
DE	0.99	5.24	15.94	24.21	28.37	31.52
EE			1.21	3.90	3.93	6.37
IE	0.15	2.44	7.88	16.56	16.29	18.55
EL	0.30	2.07	3.70	7.00	9.92	13.61
ES	0.23	4.11	13.03	23.76	24.90	26.29
FR	0.00	0.06	0.64	4.07	5.64	7.20
IT	0.06	0.51	1.95	5.94	8.70	16.62
CY			0.09	0.28	5.69	8.27
LV	0.05	0.10	1.20	1.16	1.17	1.40
LT			0.02	2.08	3.73	5.47
LU		1.15	3.51	4.05	4.24	4.94
HU			0.20	2.30	3.28	3.47
MT						
NL	1.32	2.18	5.85	8.81	8.71	8.77
AT	0.01	0.31	4.23	5.07	5.30	6.13
PL		0.01	0.38	2.15	3.32	5.21
PT	0.09	0.77	7.96	19.78	20.77	22.20
RO				0.08	1.95	4.82
SI				0.13	0.38	1.74
SK			0.06	0.06	0.29	2.38
FI	0.05	0.25	0.52	0.94	1.22	1.23
SE	0.21	0.63	1.49	4.13	5.57	7.92
UK	0.29	0.53	1.91	5.08	5.82	7.96

Intermittent Energy Cumulative Capacity – 1990-2011 (%)

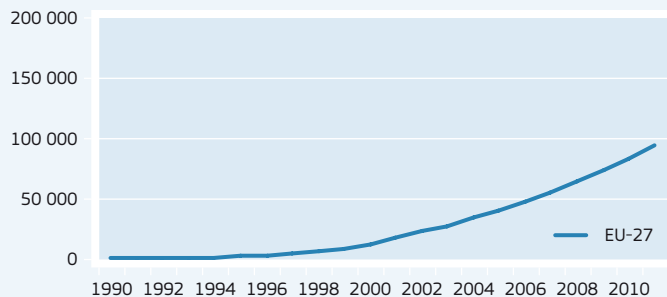


Wind Energy Cumulative Installed Capacity

Total

MW	1995	2000	2005	2009	2010	2011
EU-27	2 447	12 726	40 455	75 009	84 589	94 099
BE	5	14	167	608	912	1 069
BG			8	333	488	541
CZ		1	22	193	213	213
DK	617	2 390	3 127	3 482	3 802	3 951
DE	1 137	6 095	18 428	25 777	27 209	29 071
EE			31	104	108	180
IE	6	115	494	1 264	1 389	1 631
EL	27	226	491	950	1 298	1 640
ES	98	2 206	9 918	19 176	20 693	21 547
FR	3	57	723	4 582	5 994	6 691
IT	22	363	1 635	4 879	5 794	6 918
CY					82	134
LV	1	2	26	29	30	36
LT			1	98	133	202
LU		14	35	43	44	45
HU			17	203	293	331
MT						
NL	250	447	1 224	2 222	2 237	2 316
AT		50	778	994	981	1 080
PL		4	121	709	1 108	1 800
PT	8	83	1 064	3 326	3 796	4 256
RO				15	388	988
SI						
SK			5	3	3	3
FI	6	38	82	147	197	199
SE	67	209	493	1 448	2 019	2 769
UK	200	412	1 565	4 424	5 378	6 488

Wind Cumulative Installed Capacity – 1990-2011 (MW)



Cumulative Installed Capacity

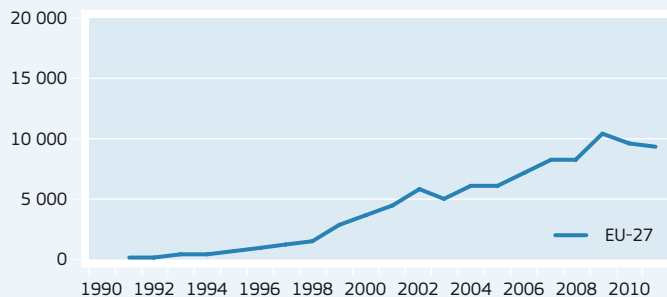
Wind Share

%	1995	2000	2005	2009	2010	2011
EU-27	0.4	1.9	5.4	9.0	9.7	10.2
BE	0.0	0.1	1.0	3.5	5.0	5.3
BG			0.1	3.5	4.9	5.3
CZ		0.0	0.1	1.1	1.1	1.1
DK	5.7	19.4	24.0	26.0	28.3	29.1
DE	1.0	5.1	14.7	17.5	17.3	16.9
EE			1.2	3.9	3.9	6.4
IE	0.1	2.4	7.9	16.6	16.3	18.6
EL	0.3	2.1	3.7	6.7	8.6	9.9
ES	0.2	4.1	13.0	19.9	20.3	21.0
FR	0.0	0.0	0.6	3.8	4.8	5.1
IT	0.0	0.5	1.9	4.8	5.4	5.8
CY					5.2	7.7
LV	0.0	0.1	1.2	1.2	1.2	1.4
LT			0.0	2.1	3.7	5.5
LU		1.1	2.1	2.5	2.6	2.6
HU			0.2	2.3	3.3	3.4
MT						
NL	1.3	2.1	5.6	8.5	8.4	8.3
AT		0.3	4.1	4.7	4.6	4.7
PL		0.0	0.4	2.1	3.3	5.2
PT	0.1	0.8	7.9	19.1	20.1	21.3
RO				0.1	1.9	4.8
SI						
SK			0.1	0.0	0.0	0.0
FI	0.0	0.2	0.5	0.9	1.2	1.2
SE	0.2	0.6	1.5	4.1	5.5	7.9
UK	0.3	0.5	1.9	5.1	5.7	6.9

Annual Installed Capacity

MW	1995	2000	2005	2009	2010	2011
EU-27	816	3 700	6 181	10 582	9 580	9 510
BE		4	71	284	304	157
BG				219	155	53
CZ			5	43	20	
DK	90	631	2	319	320	149
DE	494	1 957	1 799	1 882	1 432	1 862
EE			24	27	4	72
IE		45	153	236	125	242
EL		117	21	-72	348	342
ES	57	593	1 601	2 621	1 517	854
FR		39	360	1 160	1 412	697
IT	1	131	508	1 354	915	1 124
CY						52
LV		1		1	1	6
LT				44	35	69
LU					1	1
HU			14	69	90	38
MT						
NL	98	37	151	73	15	79
AT			197	6	-13	99
PL		1	81	183	399	692
PT		26	511	469	470	460
RO				10	373	600
SI						
SK			2	-2		
FI	1			4	50	2
SE	27	13	41	634	571	750
UK	47	55	632	1 018	954	1 110

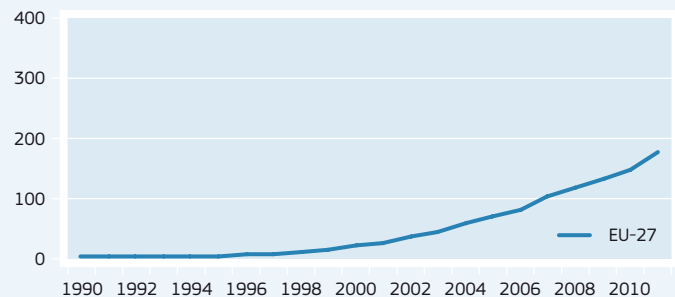
Wind Annual Installed Capacity – 1990-2011 (MW)



Gross Electricity Production

TWh	1995	2000	2005	2009	2010	2011
EU-27	4.1	22.3	70.4	133.0	149.4	179.0
BE	0.0	0.0	0.2	1.0	1.3	2.3
BG			0.0	0.2	0.7	0.9
CZ			0.0	0.3	0.3	0.4
DK	1.2	4.2	6.6	6.7	7.8	9.8
DE	1.7	9.4	27.2	38.6	37.8	48.9
EE			0.1	0.2	0.3	0.4
IE	0.0	0.2	1.1	3.0	2.8	4.4
EL	0.0	0.5	1.3	2.5	2.7	3.3
ES	0.3	4.7	21.2	38.1	44.3	42.4
FR	0.0	0.1	1.0	7.9	10.2	12.2
IT	0.0	0.6	2.3	6.5	9.1	9.9
CY					0.0	0.1
LV		0.0	0.0	0.1	0.0	0.1
LT			0.0	0.2	0.2	0.5
LU		0.0	0.1	0.1	0.1	0.1
HU			0.0	0.3	0.5	0.6
MT						
NL	0.3	0.8	2.1	4.6	4.0	5.1
AT	0.0	0.1	1.3	2.0	2.1	1.9
PL	0.0	0.0	0.1	1.1	1.7	3.2
PT	0.0	0.2	1.8	7.6	9.2	9.2
RO				0.0	0.3	1.4
SI						
SK			0.0	0.0	0.0	0.0
FI	0.0	0.1	0.2	0.3	0.3	0.5
SE	0.1	0.5	0.9	2.5	3.5	6.1
UK	0.4	0.9	2.9	9.3	10.2	15.5

Wind Gross Electricity Production – 1990-2011 (TWh)



Gross Electricity Production

Wind Share

%	1995	2000	2005	2009	2010	2011
EU-27	0.1	0.7	2.1	4.2	4.5	5.5
BE	0.0	0.0	0.3	1.1	1.4	2.6
BG			0.0	0.6	1.5	1.7
CZ			0.0	0.4	0.4	0.5
DK	3.2	11.8	18.2	18.5	20.1	27.8
DE	0.3	1.6	4.4	6.5	6.0	8.0
EE			0.5	2.2	2.1	2.9
IE	0.1	1.0	4.3	10.4	9.8	15.9
EL	0.1	0.8	2.1	4.1	4.7	5.6
ES	0.2	2.1	7.2	12.9	14.7	14.5
FR	0.0	0.0	0.2	1.5	1.8	2.2
IT	0.0	0.2	0.8	2.2	3.0	3.3
CY					0.6	2.3
LV		0.1	1.0	0.9	0.7	1.2
LT			0.0	1.0	3.9	9.9
LU		2.3	1.3	1.6	1.2	1.7
HU			0.0	0.9	1.4	1.7
MT						
NL	0.4	0.9	2.1	4.0	3.4	4.5
AT	0.0	0.1	2.0	2.8	2.9	2.9
PL	0.0	0.0	0.1	0.7	1.1	2.0
PT	0.0	0.4	3.8	15.1	17.0	17.5
RO				0.0	0.5	2.2
SI						
SK			0.0	0.0	0.0	0.0
FI	0.0	0.1	0.2	0.4	0.4	0.7
SE	0.1	0.3	0.6	1.8	2.4	4.0
UK	0.1	0.3	0.7	2.5	2.7	4.2

Average Capacity Factor

Wind Share

%	1995	2000	2005	2009	2010	2011
EU-27	19.0	19.9	19.9	20.2	20.1	21.7
BE	20.5	13.0	15.5	18.7	16.2	24.7
BG			7.1	8.1	15.9	18.2
CZ			10.9	17.0	17.9	21.3
DK	21.8	20.2	24.1	22.0	23.4	28.2
DE	17.2	17.5	16.9	17.1	15.8	19.2
EE			19.9	21.4	29.3	23.3
IE	30.4	24.2	25.7	26.7	23.1	30.6
EL	14.4	22.8	29.4	30.5	23.9	23.1
ES	31.4	24.4	24.4	22.7	24.4	22.5
FR	19.0	15.4	15.2	19.7	19.4	20.9
IT	4.7	17.7	16.4	15.3	18.0	16.3
CY					4.3	9.7
LV		22.8	20.6	19.7	18.6	22.5
LT			22.8	18.4	19.2	26.8
LU		22.0	16.9	16.7	14.3	16.2
HU			6.7	18.6	20.8	21.6
MT						
NL	14.5	21.2	19.3	23.5	20.4	25.1
AT		15.3	19.5	22.6	24.0	20.4
PL		14.3	12.7	17.3	17.1	20.3
PT	22.8	23.1	19.0	26.0	27.6	24.6
RO				6.8	9.0	16.0
SI						
SK			13.7	22.8	22.8	19.0
FI	20.9	23.4	23.7	21.5	17.0	27.6
SE	16.9	24.9	21.7	19.6	19.8	25.0
UK	22.3	26.2	21.2	24.0	21.6	27.2

CHP CHP Electricity

Generation and Capacity

	CHP Electricity Generation			CHP Electrical Capacity		
	TWh			GW		
	2005	2010	2011	2005	2010	2011
EU-27	365.7	392.6	375.5	98.1	104.9	105.3
BE	7.4	15.2	14.5	1.9	2.6	2.6
BG	2.7	3.7	3.4	1.2	1.0	1.1
CZ	13.9	12.2	11.2	5.2	4.8	4.7
DK	18.9	19.1	16.3	5.7	5.8	5.5
DE	77.9	83.2	79.6	20.8	22.5	26.6
EE	1.0	1.3	1.3	1.6	0.4	0.4
IE	0.6	1.9	2.0	0.1	0.3	0.3
EL	1.0	2.5	2.7	0.2	0.6	0.6
ES	22.9	22.4	22.1	3.1	3.4	3.0
FR	23.2	15.7	15.7	6.6	4.6	4.6
IT	27.4	34.7	34.7	5.9	7.4	7.3
CY	0.0	0.1	0.0	0.0	0.0	0.0
LV	1.5	3.0	2.9	0.6	0.9	0.9
LT	2.3	2.0	1.8	1.0	1.1	1.2
LU	0.4	0.4	0.4	0.1	0.1	0.1
HU	6.8	7.3	6.0	2.1	1.9	1.8
MT						
NL	29.5	39.2	36.7	7.2	9.3	9.2
AT	10.1	11.0	10.3	3.3	3.2	3.7
PL	26.3	27.7	27.1	8.3	8.7	8.8
PT	5.4	6.4	6.6	1.1	1.3	1.4
RO	15.6	6.5	7.3	5.3	4.6	2.2
SI	1.1	1.1	1.1	0.3	0.3	0.3
SK	4.8	4.4	7.0	1.9	2.8	2.5
FI	27.5	29.2	26.6	5.8	6.2	6.2
SE	10.7	18.5	15.1	3.5	5.1	4.0
UK	27.2	23.6	23.2	5.4	6.1	6.1

CHP Electricity

Share in Total Electricity Generation

%	2005	2006	2007	2009	2010	2011
EU-27	11.1	10.9	10.9	11.4	11.7	11.2
BE	8.5	8.7	12.5	14.5	16.0	16.0
BG	6.1	6.0	9.4	9.4	8.0	6.7
CZ	16.8	15.1	13.0	13.4	14.2	12.8
DK	52.1	40.7	42.8	45.3	49.2	46.2
DE	12.6	12.5	12.2	13.0	13.2	13.1
EE	10.2	10.7	7.1	9.2	10.3	10.4
IE	2.4	5.6	6.3	6.3	6.7	7.1
EL	1.7	1.7	1.6	3.0	4.3	4.5
ES	7.8	7.2	7.1	7.5	7.4	7.6
FR	4.0	3.2	3.2	4.3	2.8	2.8
IT	9.0	9.8	10.3	10.2	11.5	11.5
CY	0.3	0.3	0.3	0.4	1.0	0.9
LV	30.7	42.6	40.9	19.7	45.0	47.4
LT	15.5	14.3	13.2	13.9	34.6	37.5
LU	10.1	10.9	9.9	10.1	9.6	12.1
HU	19.1	22.4	21.4	20.5	19.6	16.6
MT						
NL	29.4	29.9	30.1	32.1	33.2	32.5
AT	15.4	16.1	15.6	13.2	15.4	15.7
PL	16.8	16.0	17.3	17.2	17.6	16.6
PT	11.6	11.6	12.3	11.0	11.8	12.7
RO	26.2	18.0	10.7	10.8	10.8	11.7
SI	7.3	7.4	7.2	6.2	6.9	7.1
SK	15.3	27.6	25.6	19.2	15.9	24.5
FI	38.9	34.9	34.4	35.8	36.2	36.2
SE	6.7	8.0	8.2	10.5	12.5	10.0
UK	6.8	6.3	6.4	6.5	6.2	6.3

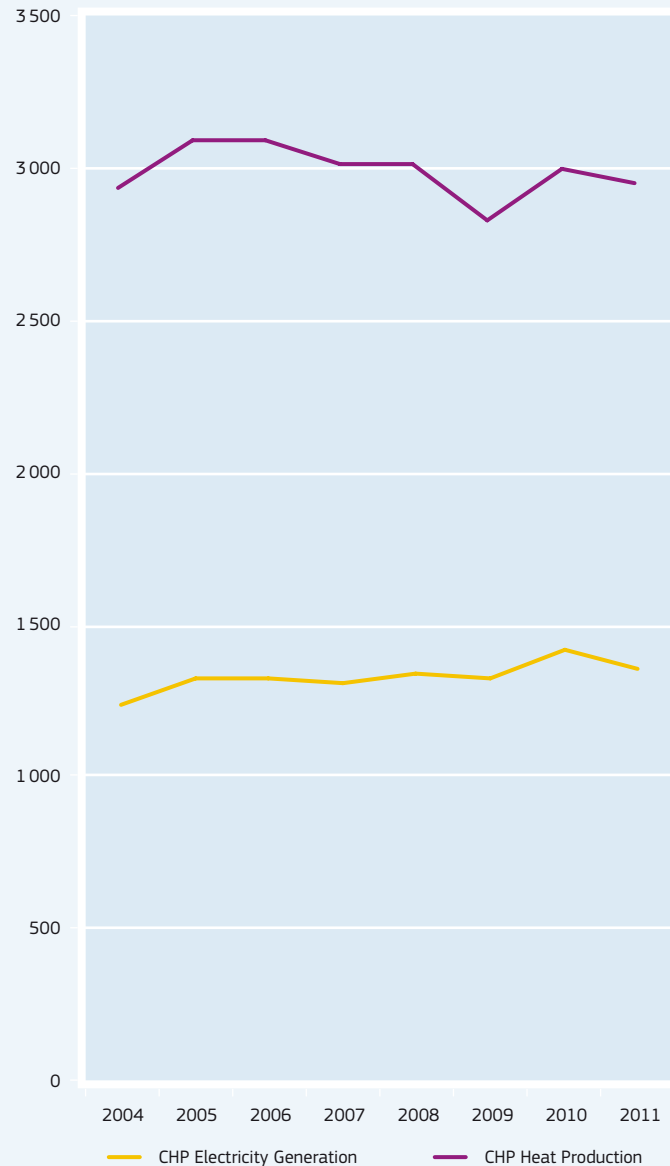
CHP Heat

Production and Capacity

	CHP Heat Production			CHP Heat Capacity	
	PJ			GW	
	2005	2010	2011	2010	2011
EU-27	3 112.4	3 023.5	2 979.1	264.5	264.1
BE	75.9		93.7	4.8	5.2
BG	50.4	40.4	38.5	3.9	4.1
CZ	150.7	135.7	121.1	20.5	23.4
DK	119.0	124.7	108.1	10.2	9.8
DE	652.5	675.8	638.9	63.9	66.0
EE	11.5	12.3	12.3	1.5	1.5
IE	4.4	12.0	11.0	0.7	0.7
EL	9.7	12.7	13.8	1.0	0.8
ES	192.5	153.3	159.0	10.3	7.9
FR	209.2	173.9	173.9	13.3	13.3
IT	193.1	202.5	202.5	13.9	13.9
CY	0.1	0.1	0.2	0.0	
LV	11.9	10.4	9.3	0.8	0.9
LT	19.9	19.3	15.8	2.5	2.5
LU	1.2	3.2	3.1		
HU	47.4	42.2	35.1	3.4	3.1
MT					
NL	220.3	233.6	224.0	18.6	18.8
AT	95.8	110.6	96.4	8.6	8.4
PL	275.4	277.1	263.5	24.8	24.8
PT	59.6	67.2	69.3	4.8	4.6
RO	95.4	69.0	71.9	10.8	10.4
SI	15.0	11.6	11.0	0.8	0.8
SK	33.7	20.1	26.2	9.2	9.7
FI	250.0	272.8	255.0	16.0	16.0
SE	132.7	187.2	171.5	12.3	9.4
UK	185.2	155.5	153.9	7.8	7.8

CHP Electricity and Heat

EU-27 – CHP Electricity and Heat Generation (PJ – GCV)



Heat Gross Heat Generation

Total

PJ (GCV)	1995	2000	2005	2009	2010	2011
EU-27	2 250.8	2 157.7	2 893.0	2 389.8	2 661.2	2 463.9
Index 1995	100%	96%	129%	106%	118%	109%
BE	10.0	23.2	22.4	32.0	38.3	38.1
BG	133.5	50.8	52.1	60.1	59.4	58.4
CZ	175.9	139.2	139.2	121.6	130.3	123.3
DK	118.9	119.2	128.5	130.2	150.1	132.2
DE	416.6	315.9	814.8	470.5	516.1	467.2
EE	31.1	27.0	26.8	24.7	25.5	22.9
IE						
EL		1.2	2.0	2.1	1.9	2.3
ES						
FR	23.0	135.5	174.3	124.7	153.5	153.3
IT			193.1	180.8	205.3	218.9
CY				0.0	0.0	0.0
LV	46.1	31.9	31.1	26.3	28.7	25.0
LT	66.9	48.2	49.9	47.3	48.8	45.9
LU		0.3	0.9	1.1	1.2	1.1
HU	61.3	69.2	63.6	53.2	53.0	49.3
MT						
NL	107.1	155.1	170.9	141.2	147.0	142.2
AT	39.2	47.9	61.6	68.1	86.7	79.9
PL	420.8	340.7	340.7	313.0	344.8	309.8
PT	1.5	5.6	13.7	16.1	21.1	20.6
RO	287.0	190.8	127.7	96.7	99.1	98.9
SI	8.9	9.4	10.1	9.1	9.8	9.7
SK	42.1	36.8	52.5	42.2	48.6	43.7
FI	97.7	149.9	178.9	187.3	210.8	185.5
SE	163.1	157.9	181.1	187.2	224.0	178.5
UK		102.1	57.2	54.5	57.0	57.2

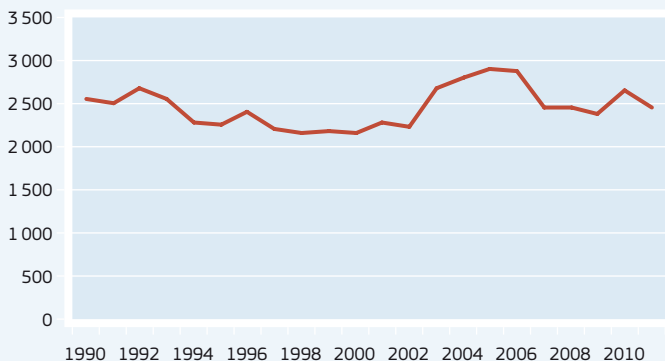
Gross Heat Generation

By Fuel

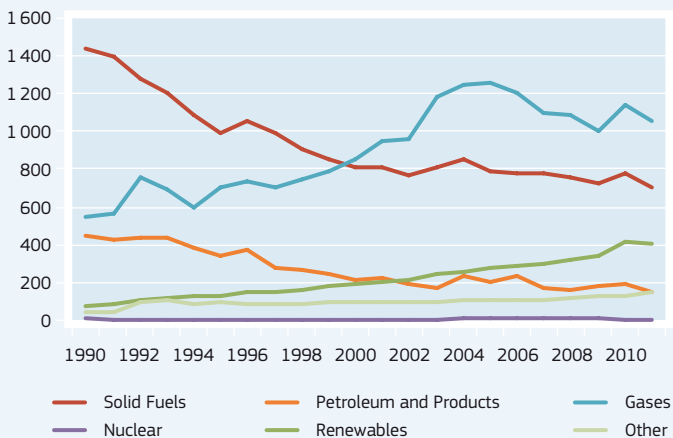
PJ (GCV)	2011						
	Gross Heat Generation	Gases	Solid Fuels	Renewables	Petroleum and Products	Nuclear	Other
EU-27	2 463.9	1 054.5	702.6	406.9	149.2	4.6	146.1
Share – %	100.0%	42.8%	28.5%	16.5%	6.1%	0.2%	5.9%
BE	38.1	30.5		2.2	0.7		4.7
BG	58.4	28.4	22.8	0.2	3.1	0.9	3.0
CZ	123.3	36.7	76.7	4.7	1.4	0.9	2.9
DK	132.2	34.8	31.0	50.2	2.4		13.8
DE	467.2	222.0	153.1	45.4	5.1		41.7
EE	22.9	10.8	3.8	7.1	1.2		
IE							
EL	2.3		2.2		0.0		
ES							
FR	153.3	95.2	10.9	11.7	23.8		11.7
IT	218.9	126.9	1.6	28.9	57.9		3.6
CY	0.0			0.0			
LV	25.0	20.2	0.3	4.0	0.5		0.0
LT	45.9	26.6	0.2	8.0	0.9		10.2
LU	1.1	1.0		0.1	0.0		
HU	49.3	41.2	3.3	3.5	0.2	0.5	0.5
MT							
NL	142.2	105.1	15.9	8.8	6.8		5.6
AT	79.9	30.5	2.7	36.9	5.3		4.4
PL	309.8	31.3	253.6	15.4	6.0		3.5
PT	20.6	18.2			2.4		0.0
RO	98.9	63.3	25.3	2.1	8.2		0.0
SI	9.7	2.8	5.6	1.1	0.1		0.1
SK	43.7	20.2	11.2	4.6	5.3	2.2	0.3
FI	185.5	41.8	62.3	64.0	9.5		7.9
SE	178.5	18.7	13.0	108.1	6.7		32.0
UK	57.2	48.4	7.1		1.6		

Gross Heat Generation

EU-27 – Gross Heat Generation – Total – 1990-2011 (GVC)



EU-27 – Gross Heat Generation – By Fuel – 1990-2011 (PJ-GCV)



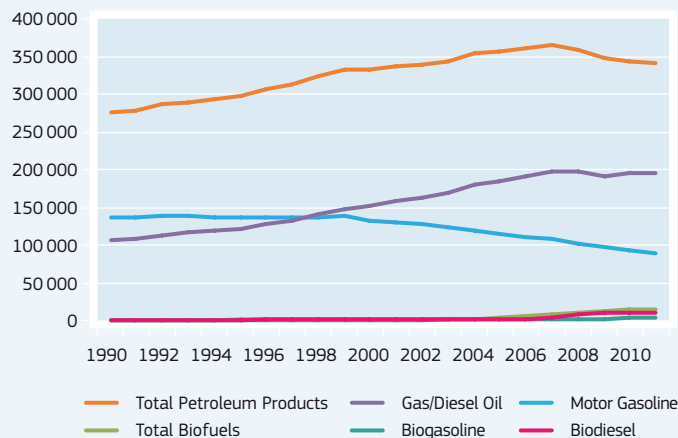
Transport

Final Consumption Petroleum Products

EU-27

ktoe	Total Petroleum Products	Motor Gasoline	Gas/Diesel Oil	Total Biofuels	Biogasoline	Biodiesel
1990	275 433	135 464	106 155	6		
1991	277 916	136 137	108 752	6		
1992	286 183	138 442	112 938	20	5	4
1993	289 370	137 906	115 718	49	24	12
1994	292 661	136 501	119 024	136	25	81
1995	296 260	135 675	121 945	211	24	146
1996	306 219	137 066	128 498	312	39	214
1997	311 627	136 529	132 262	422	55	276
1998	322 958	136 792	140 519	397	63	233
1999	332 310	137 374	146 860	441	60	253
2000	333 188	131 468	151 729	700	58	402
2001	335 661	129 195	157 437	821	65	424
2002	338 449	127 270	162 455	1 096	158	426
2003	343 146	123 385	169 331	1 420	241	442
2004	353 022	119 748	179 446	1 975	291	963
2005	355 364	114 519	184 416	3 112	559	1 374
2006	360 614	110 601	191 573	5 511	856	2 320
2007	364 702	106 914	197 651	6 745	1 186	4 250
2008	359 122	101 634	196 493	9 560	1 823	6 839
2009	346 516	97 866	191 202	11 915	2 308	9 105
2010	343 509	92 451	194 295	13 307	2 834	9 937
2011	341 689	88 704	194 876	13 958	2 892	10 644

EU-27 Final Consumption of Fuel in the Transport Sector (ktoe) – 1990-2011



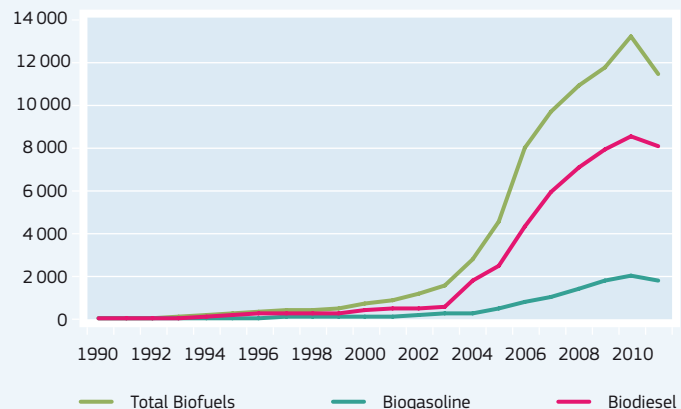
Biofuels

EU-27 – By Fuel

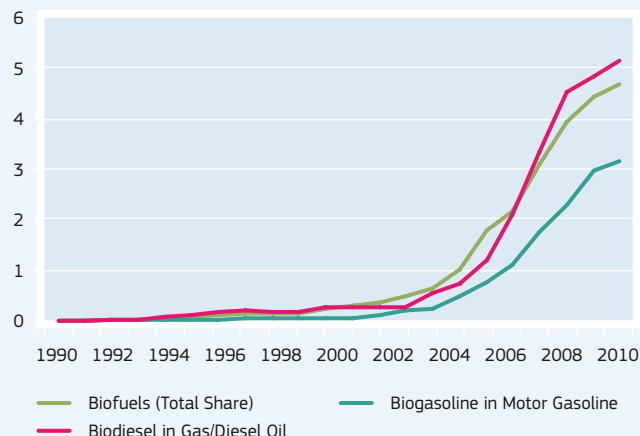
Share of Total (%)	Production			Share in Transport Fuels		
	Total Biofuels	Biogasoline	Biodiesel	Total Biofuels	of Biogasoline in Motor Gasoline	of Biodiesel in Gas/Diesel Oil
	ktoe			%		
1990	6			0.0%		
1991	7			0.0%		
1992	18	2	4	0.0%	0.0%	0.0%
1993	45	18	12	0.0%	0.0%	0.0%
1994	127	25	65	0.1%	0.0%	0.1%
1995	211	24	145	0.1%	0.0%	0.1%
1996	306	39	207	0.1%	0.0%	0.2%
1997	391	53	245	0.2%	0.0%	0.2%
1998	372	63	207	0.1%	0.0%	0.2%
1999	426	58	238	0.2%	0.0%	0.2%
2000	697	59	396	0.2%	0.0%	0.3%
2001	866	70	459	0.3%	0.1%	0.3%
2002	1 169	159	491	0.4%	0.1%	0.3%
2003	1 566	239	568	0.5%	0.2%	0.3%
2004	2 812	266	1 761	0.7%	0.2%	0.5%
2005	4 585	467	2 467	1.0%	0.5%	0.7%
2006	8 038	739	4 334	1.8%	0.8%	1.2%
2007	9 741	1 007	5 905	2.2%	1.1%	2.1%
2008	10 927	1 410	7 132	3.1%	1.8%	3.4%
2009	11 802	1 746	7 945	4.0%	2.3%	4.5%
2010	13 298	1 983	8 522	4.4%	3.0%	4.9%
2011	11 455	1 751	8 112	4.7%	3.2%	5.2%

Biofuels

EU-27 – Production Biofuels – 1990-2011 (ktoe)



EU-27 – Biofuels Share in Transport Fuels – 1990-2011 (%)

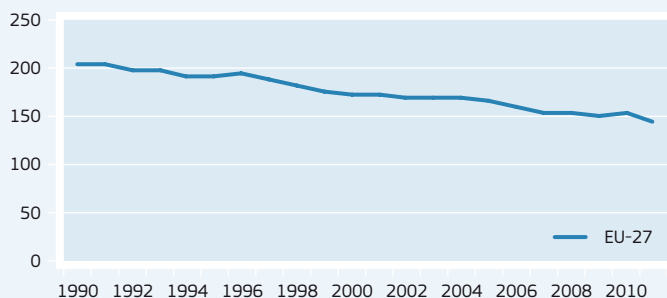


Energy Efficiency Energy Intensity

All Fuels

toe/M€'2005	1995	2000	2005	2009	2010	2011
EU-27	191.2	171.2	164.8	150.1	152.0	144.4
Index 1995	100%	90%	86%	79%	79%	76%
BE	222.3	211.2	194.4	184.7	190.8	181.9
BG	1 329.3	1 050.2	863.3	664.8	675.1	712.4
CZ	533.4	481.9	432.7	363.9	374.9	355.9
DK	119.8	101.6	95.3	94.5	98.0	90.7
DE	173.8	159.1	155.5	142.9	141.2	129.0
EE	967.4	627.3	497.4	487.1	542.9	505.3
IE	140.1	111.2	92.7	87.8	90.1	82.1
EL	178.5	178.5	162.6	150.6	148.8	155.1
ES	161.3	159.9	158.8	137.2	137.1	135.0
FR	174.1	162.6	161.0	149.1	151.0	143.9
IT	130.9	128.5	131.2	121.9	123.8	121.5
CY	202.2	206.2	185.2	185.0	176.9	173.4
LV	694.2	429.7	346.8	345.4	365.6	324.0
LT	759.9	496.3	418.4	392.4	311.2	302.3
LU	177.0	143.9	159.0	135.9	140.4	136.0
HU	419.7	349.5	312.1	292.0	295.3	282.1
MT	202.7	172.6	196.4	158.5	173.7	202.3
NL	185.8	159.2	160.7	150.9	158.3	146.4
AT	141.4	129.3	140.3	127.0	133.4	125.9
PL	619.8	427.7	380.8	321.8	330.8	318.3
PT	171.7	169.6	177.6	160.3	153.7	153.1
RO	759.4	609.5	493.1	386.8	393.0	392.1
SI	311.7	267.2	254.1	229.6	231.0	230.2
SK	700.4	593.4	496.1	362.8	370.1	349.1
FI	270.3	238.1	222.7	216.3	228.1	211.9
SE	228.9	182.4	173.4	150.7	159.3	147.6
UK	164.5	145.2	126.7	110.8	111.7	103.6

EU-27 – Energy Intensity – 1990-2011 (toe/M€'2005)

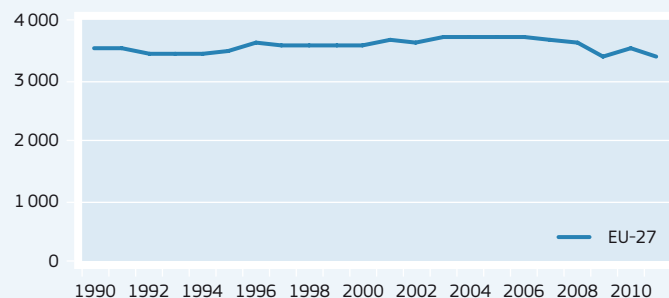


Energy per Capita

All Fuels

kgoe/cap	1995	2000	2005	2009	2010	2011
EU-27	3 486.2	3 571.1	3 709.6	3 403.5	3 505.9	3 375.0
Index 1995	100%	102%	106%	98%	101%	97%
BE	5 340.5	5 779.1	5 631.2	5 385.4	5 651.3	5 436.9
BG	2 784.9	2 289.6	2 601.0	2 319.6	2 380.7	2 623.4
CZ	4 036.3	4 017.2	4 424.0	4 042.7	4 258.3	4 126.8
DK	3 877.5	3 708.3	3 646.3	3 486.7	3 657.8	3 410.5
DE	4 190.1	4 180.9	4 195.7	3 987.1	4 110.9	3 867.9
EE	3 824.3	3 618.3	4 127.5	3 960.7	4 562.6	4 598.2
IE	3 047.0	3 733.8	3 632.1	3 242.9	3 288.2	3 026.2
EL	2 244.4	2 589.0	2 826.7	2 720.5	2 550.6	2 470.8
ES	2 593.4	3 075.9	3 326.9	2 840.0	2 821.0	2 786.7
FR	4 069.0	4 247.9	4 393.7	4 030.5	4 125.9	3 978.9
IT	2 866.5	3 087.3	3 216.7	2 823.7	2 902.1	2 848.0
CY	2 995.2	3 448.3	3 409.5	3 464.0	3 269.0	3 140.2
LV	1 860.9	1 580.5	2 002.9	2 020.9	2 163.9	2 062.6
LT	2 402.5	2 043.9	2 646.8	2 704.1	2 220.2	2 332.2
LU	8 151.4	8 366.3	10 336.1	8 792.7	9 176.3	8 829.1
HU	2 543.4	2 477.7	2 746.5	2 529.7	2 597.9	2 530.5
MT	1 988.2	2 048.4	2 401.2	2 039.6	2 286.9	2 690.9
NL	4 738.9	4 809.1	5 057.7	4 938.4	5 238.9	4 871.2
AT	3 437.4	3 642.2	4 182.1	3 907.8	4 175.2	4 031.7
PL	2 612.7	2 347.7	2 438.7	2 498.4	2 642.6	2 651.5
PT	2 058.9	2 455.2	2 597.5	2 344.5	2 291.3	2 243.9
RO	2 081.9	1 641.7	1 819.7	1 653.8	1 663.7	1 700.3
SI	3 048.7	3 229.9	3 648.9	3 484.8	3 537.5	3 539.8
SK	3 346.8	3 328.7	3 544.3	3 102.3	3 296.0	3 202.3
FI	5 785.9	6 360.0	6 684.1	6 434.3	6 977.8	6 634.9
SE	5 699.7	5 371.9	5 729.7	4 917.9	5 493.5	5 239.5
UK	3 824.0	3 935.2	3 883.2	3 349.3	3 408.5	3 168.5

EU-27 – Energy per Capita – 1990-2011 (kgoe/cap)

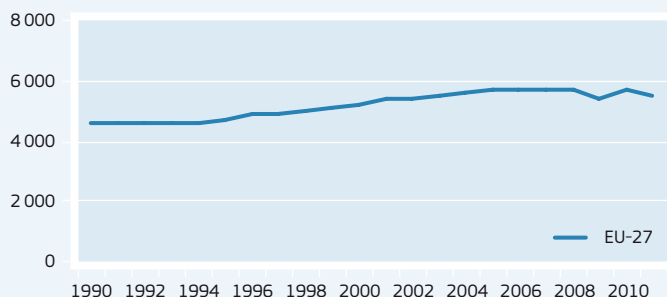


Final Electricity per Capita

All Fuels

kWh/cap	1995	2000	2005	2009	2010	2011
EU-27	4 700.2	5 215.0	5 631.1	5 395.4	5 623.6	5 502.0
Index 1995	100%	111%	120%	115%	120%	117%
BE	6 752.3	7 568.0	7 657.2	7 159.9	7 655.2	7 297.8
BG	3 412.9	2 968.3	3 331.6	3 539.4	3 597.3	3 867.6
CZ	4 654.3	4 807.1	5 402.6	5 234.1	5 439.8	5 397.2
DK	5 904.8	6 079.8	6 175.3	5 694.7	5 792.1	5 637.1
DE	5 525.4	5 882.3	6 317.4	6 052.8	6 469.9	6 377.2
EE	3 163.5	3 637.5	4 482.4	4 961.2	5 154.8	4 944.8
IE	4 123.6	5 333.2	5 853.9	5 566.7	5 577.0	5 435.0
EL	3 205.4	3 952.5	4 584.3	4 849.3	4 697.7	4 583.5
ES	3 577.5	4 680.6	5 581.4	5 220.6	5 313.4	5 202.0
FR	5 773.4	6 338.5	6 715.1	6 482.3	6 850.6	6 439.8
IT	4 191.7	4 793.9	5 133.9	4 818.1	4 948.7	4 970.5
CY	3 415.5	4 317.0	5 361.9	5 879.7	5 885.8	5 548.4
LV	1 796.7	1 890.9	2 559.0	2 849.2	2 963.3	3 009.4
LT	1 751.1	1 770.8	2 406.6	2 651.8	2 692.3	2 831.5
LU	12 200.2	13 215.1	13 210.2	12 272.2	12 963.5	12 497.1
HU	2 686.0	2 883.3	3 205.9	3 307.5	3 420.7	3 463.8
MT	3 332.5	4 018.4	4 853.7	4 124.5	3 860.1	4 331.3
NL	5 349.4	6 141.6	6 404.9	6 290.2	6 433.0	6 438.1
AT	5 877.0	6 433.3	7 087.8	7 051.9	7 310.8	7 308.0
PL	2 343.4	2 578.4	2 762.1	2 952.5	3 089.3	3 164.5
PT	2 871.7	3 752.6	4 391.0	4 500.8	4 689.9	4 540.9
RO	1 603.4	1 512.8	1 797.0	1 751.6	1 927.9	1 998.0
SI	4 698.1	5 288.5	6 368.4	5 530.8	5 840.4	6 141.2
SK	4 051.6	4 075.4	4 241.6	4 263.4	4 444.8	4 560.2
FI	12 768.1	14 619.6	15 389.7	14 437.4	15 564.4	14 895.1
SE	14 111.9	14 509.1	14 473.8	13 268.7	13 991.3	13 188.7
UK	5 079.2	5 594.2	5 788.6	5 206.9	5 280.7	5 069.1

EU-27 – Final Electricity per Capita -1990-2011 (kWh/cap)

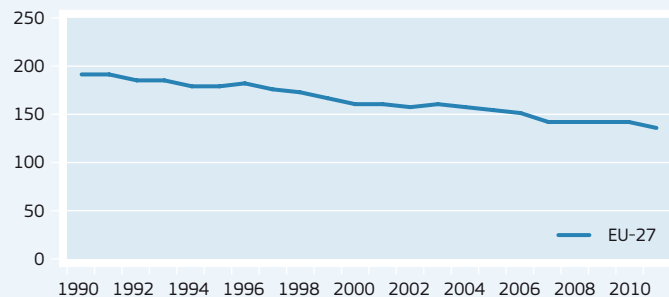


Primary Energy Efficiency

All Fuels

toe/M€2005	1995	2000	2005	2009	2010	2011
EU-27	178.5	159.5	153.8	140.4	142.0	134.7
Index 1995	100%	89%	86%	79%	80%	75%
BE	198.4	187.2	169.6	161.6	167.3	158.6
BG	1 259.3	995.2	826.8	643.2	659.5	694.1
CZ	501.2	456.4	404.0	341.9	351.6	334.6
DK	117.9	100.1	93.9	93.2	96.7	89.3
DE	159.9	144.7	141.5	130.8	128.8	116.8
EE	936.5	604.6	481.1	481.4	538.5	501.9
IE	133.1	106.9	90.8	86.8	88.5	80.4
EL	174.9	173.9	158.6	146.1	143.1	150.2
ES	148.9	147.8	149.6	129.6	129.7	127.9
FR	161.3	151.1	151.5	141.3	143.4	136.2
IT	123.1	122.4	125.3	115.8	117.0	113.7
CY	195.7	198.9	180.0	180.1	171.5	169.1
LV	687.9	421.1	339.3	339.3	359.7	316.6
LT	712.5	450.3	380.1	359.1	278.8	249.9
LU	174.5	142.4	158.2	135.2	139.5	135.1
HU	394.1	327.7	287.8	270.2	272.8	260.0
MT			192.4	156.5	172.1	201.3
NL	162.3	137.4	135.4	123.8	130.1	121.3
AT	134.3	121.7	133.3	120.0	126.3	120.0
PL	596.8	407.0	362.2	306.2	314.9	303.1
PT	154.6	153.8	161.4	150.4	142.8	142.1
RO	739.4	578.3	460.6	360.9	367.5	366.3
SI	305.7	257.3	243.3	222.2	224.4	226.3
SK	655.0	539.5	456.5	332.7	343.9	320.2
FI	259.5	230.1	214.3	206.3	219.2	204.0
SE	219.9	175.8	165.7	144.9	152.8	141.9
UK	155.3	138.1	120.5	106.4	107.3	99.4

EU-27 – Primary Energy Efficiency -1990-2011 (toe/M €2005)

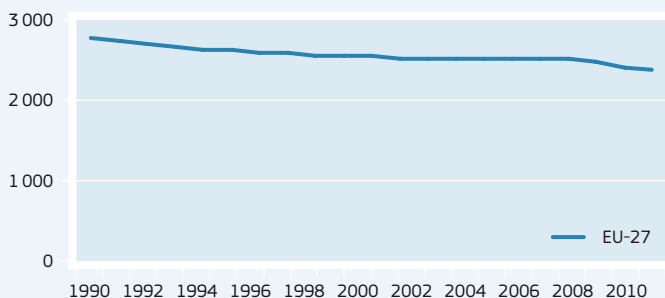


Carbon Intensity

All Fuels

kg CO ₂ /toe	1995	2000	2005	2008	2009	2010
EU-27	2 604.1	2 531.1	2 494.0	2 457.6	2 387.2	2 372.3
Index 1995	100%	97%	96%	94%	92%	91%
BE	2 584.8	2 459.7	2 606.9	2 605.4	2 326.1	2 280.8
BG	2 730.1	2 570.1	2 630.8	2 759.0	2 656.1	2 722.7
CZ	3 087.4	3 066.0	2 828.8	2 759.1	2 756.4	2 698.6
DK	3 340.8	3 040.3	2 830.8	2 781.3	2 709.7	2 626.4
DE	2 784.5	2 671.9	2 592.6	2 571.2	2 505.3	2 536.2
EE	3 302.4	3 131.1	3 049.3	3 104.2	2 824.5	3 111.9
IE	3 341.7	3 302.9	3 342.6	3 168.5	3 002.3	2 935.5
EL	4 217.6	4 141.8	3 978.4	3 878.7	3 759.0	3 751.7
ES	2 653.4	2 712.6	2 798.4	2 652.1	2 587.1	2 494.2
FR	1 699.3	1 684.4	1 615.4	1 538.1	1 533.6	1 519.1
IT	2 791.5	2 700.1	2 674.4	2 656.1	2 539.7	2 521.2
CY	3 653.7	3 590.1	3 845.2	3 600.1	3 529.2	3 500.6
LV	2 074.2	1 917.4	1 958.6	1 988.2	1 979.9	2 123.4
LT	1 820.1	1 739.3	1 687.8	1 668.7	1 579.4	2 103.4
LU	2 905.7	2 618.9	2 754.0	2 661.9	2 688.8	2 653.6
HU	2 367.9	2 346.1	2 215.0	2 129.7	2 022.6	2 004.5
MT	4 041.5	4 913.4	6 962.5	6 314.8	8 197.9	6 603.3
NL	2 917.1	2 904.1	2 919.4	2 809.8	2 768.7	2 695.6
AT	2 389.7	2 319.7	2 376.4	2 217.5	2 115.9	2 123.7
PL	3 605.7	3 538.5	3 436.4	3 323.5	3 299.0	3 285.7
PT	2 718.8	2 720.2	2 640.7	2 565.9	2 443.6	2 332.2
RO	2 879.2	2 752.7	2 766.4	2 695.3	2 508.6	2 461.8
SI	2 487.8	2 380.1	2 303.4	2 356.9	2 281.1	2 242.8
SK	2 505.9	2 303.6	2 239.0	2 248.5	2 152.3	2 132.3
FI	2 024.9	1 820.4	1 694.7	1 683.5	1 675.1	1 763.5
SE	1 267.9	1 276.3	1 195.6	1 190.0	1 223.5	1 196.8
UK	2 601.8	2 531.0	2 551.4	2 635.7	2 535.3	2 542.5

EU-27 – Carbon Intensity – 1990-2011 (CO₂/toe)



RES Indicators

RES Share*

Overall and Heating & Cooling

%	Overall RES with Aviation Cap				RES-H&C – Heating and Cooling			
	2006	2009	2010	2011**	2006	2009	2010	2011**
EU-27	9.2	11.9	12.7	13.0	10.6	13.6	14.3	15.1
BE	2.7	4.7	5.4	4.1	3.7	5.1	5.2	4.3
BG	9.6	11.9	13.8	13.8	14.9	21.0	23.7	23.8
CZ	6.5	8.7	9.4	9.4	9.6	11.9	12.0	12.8
DK	16.5	20.2	22.2	23.1	24.5	30.8	31.9	33.6
DE	6.9	9.5	11.0	12.3	5.7	8.5	10.5	12.0
EE	16.3	23.0	24.3	25.9	30.7	41.8	42.8	46.0
IE	3.1	5.3	5.8	6.7	3.3	3.9	4.0	5.0
EL	7.4	8.6	9.7	11.6	12.5	15.9	16.2	20.1
ES	9.0	12.8	13.8	15.1	10.9	12.8	12.7	13.5
FR	10.0	12.9	13.5	11.5	12.2	15.4	16.9	16.7
IT	6.0	9.1	10.4	11.5	4.6	8.2	9.5	11.0
CY	3.0	5.3	5.7	5.4	9.3	14.6	16.3	18.1
LV	31.1	34.3	32.6	33.1	42.6	47.9	43.8	44.7
LT	16.9	20.0	19.7	20.3	29.4	34.5	33.0	33.8
LU	1.5	2.9	2.9	2.9	3.8	4.6	5.0	5.0
HU	5.1	8.2	8.8	8.1	7.5	10.5	11.1	12.3
MT	0.2	0.3	0.4	0.4	2.6	2.1	3.1	5.6
NL	2.7	4.2	3.8	4.3	2.5	3.1	2.8	3.3
AT	26.6	31.0	30.1	30.9	26.7	31.2	30.8	31.1
PL	7.1	8.9	9.5	10.4	10.4	11.9	12.0	13.3
PT	20.8	24.6	24.6	24.9	34.1	37.9	34.5	35.5
RO	17.2	22.6	23.6	21.4	17.6	26.4	27.2	24.3
SI	15.6	19.0	19.9	18.8	18.6	24.9	26.6	27.3
SK	6.7	10.4	9.8	9.7	4.6	8.5	8.0	9.6
FI	30.6	32.0	33.0	31.7	41.3	43.3	44.4	44.3
SE	43.8	49.4	49.1	46.8	59.4	68.1	66.2	64.5
UK	1.6	3.0	3.3	3.8	1.0	1.7	1.8	2.2

* in the Gross Energy Consumption

** Break in Series Between 2010 and 2011

Due to the Application of the Biofuels Compliance Rules

Source: Eurostat, April 2013

Methodology and Notes: See Appendix 13 – No 2

RES Share*

Electricity and Transport

%	RES-E – Electricity Generation				RE-T – Transport			
	2006	2009	2010	2011**	2006	2009	2010	2011**
EU-27	15.2	18.8	19.6	21.7	1.9	4.2	4.7	3.8
BE	2.9	5.8	6.9	8.8	0.2	3.3	4.3	0.3
BG	9.4	11.3	12.9	12.9	0.6	0.6	1.0	0.4
CZ	4.2	6.4	7.5	10.6	0.8	3.8	4.6	0.6
DK	24.1	28.3	32.9	35.9	0.2	0.2	0.3	0.2
DE	11.5	17.2	18.1	21.3	5.5	5.3	5.7	6.1
EE	1.5	6.1	10.4	12.3	0.2	0.2	0.2	0.2
IE	8.3	13.7	14.8	17.6	0.1	1.9	2.4	2.8
EL	8.9	10.5	11.9	14.6	0.0	1.1	1.9	1.8
ES	19.8	27.8	29.5	31.5	0.7	3.5	4.7	5.9
FR	14.1	15.0	14.9	16.5	2.0	6.1	6.1	0.5
IT	15.9	18.8	20.1	23.5	0.9	3.8	4.8	4.7
CY	0.0	0.6	1.4	3.4	0.1	2.0	2.0	
LV	40.4	42.0	42.0	44.7	1.1	1.2	3.3	4.8
LT	4.0	5.9	7.4	9.0	1.7	4.2	3.6	3.7
LU	3.2	4.1	3.8	4.1	0.1	2.2	2.0	2.0
HU	3.5	7.0	7.1	6.4	0.4	4.2	4.7	0.5
MT			0.1	0.1			0.3	
NL	6.6	9.1	9.7	9.8	0.5	4.2	3.0	4.6
AT	62.3	68.0	65.5	66.1	4.0	6.5	5.4	7.6
PL	3.1	5.9	6.7	8.2	0.9	4.8	5.9	6.5
PT	30.0	38.2	41.2	46.5	1.3	3.9	5.6	0.4
RO	28.1	30.9	30.5	31.1	0.8	1.6	3.2	2.1
SI	28.2	33.8	32.2	30.8	0.4	2.0	2.9	2.1
SK	15.9	17.8	17.8	19.8	3.0	9.2	7.8	0.4
FI	26.4	27.2	27.6	29.2	0.4	4.1	3.9	0.4
SE	51.8	58.3	56.0	59.6	4.9	7.3	7.7	8.8
UK	4.5	6.6	7.4	8.7	0.5	2.6	3.0	2.9

* In the Gross Final Energy
** Break in Series Between 2010 and 2011
Due to the Application of the Biofuels Compliance Rules
Source: Eurostat, April 2013
Methodology and Notes: See Appendix 13 – No 2

RES Share*

In Gross Final Energy – EU-27 (%)



* In the Gross Final Energy
** Break in Series Between 2010 and 2011 Due to the Application of the Biofuels Compliance Rules
Source: Eurostat, April 2013 – Methodology and Notes: See Appendix 13 – No 2

Energy Prices and Taxes

Prices of Transport Fuels

Automotive Diesel Oil (All Taxes Included)

Current Prices in € per litre	2005	2009	2010	2011	2012
EU-27*	1.03	1.01	1.17	1.37	1.50
BE	0.99	0.95	1.14	1.37	1.46
BG		0.84	0.98	1.17	1.27
CZ	0.93	0.99	1.21	1.39	1.45
DK	1.02	1.05	1.21	1.41	1.49
DE	1.06	1.07	1.20	1.38	1.49
EE	0.80	0.91	1.10	1.27	1.37
IE	1.03	1.02	1.22	1.41	1.55
EL	0.89	0.97	1.24	1.47	1.54
ES	0.90	0.91	1.07	1.27	1.37
FR	1.02	1.00	1.14	1.33	1.40
IT	1.11	1.08	1.21	1.44	1.71
CY	0.84	0.83	1.00	1.25	1.35
LV	0.80	0.92	1.06	1.27	1.37
LT	0.82	0.89	1.02	1.23	1.33
LU	0.84	0.85	0.99	1.17	1.26
HU	1.02	0.96	1.16	1.36	1.50
MT	0.88	0.96	1.04	1.30	1.37
NL	1.02	1.00	1.15	1.35	1.45
AT	0.95	0.97	1.10	1.33	1.41
PL	0.92	0.84	1.06	1.22	1.36
PT	0.93	1.00	1.15	1.37	1.45
RO		0.83	1.03	1.24	1.32
SI	0.91	1.01	1.15	1.24	1.36
SK	0.97	1.10	1.11	1.34	1.44
FI	0.97	0.99	1.13	1.37	1.55
SE	1.08	1.04	1.25	1.51	1.67
UK	1.33	1.17	1.39	1.60	1.76

* EU-25 prices in 2005
Source: DG ENERGY, Member States
Methodology and Notes: See Appendix 13 – No 2

Prices of Transport Fuels

Euro Super 95 Prices (All Taxes Included)

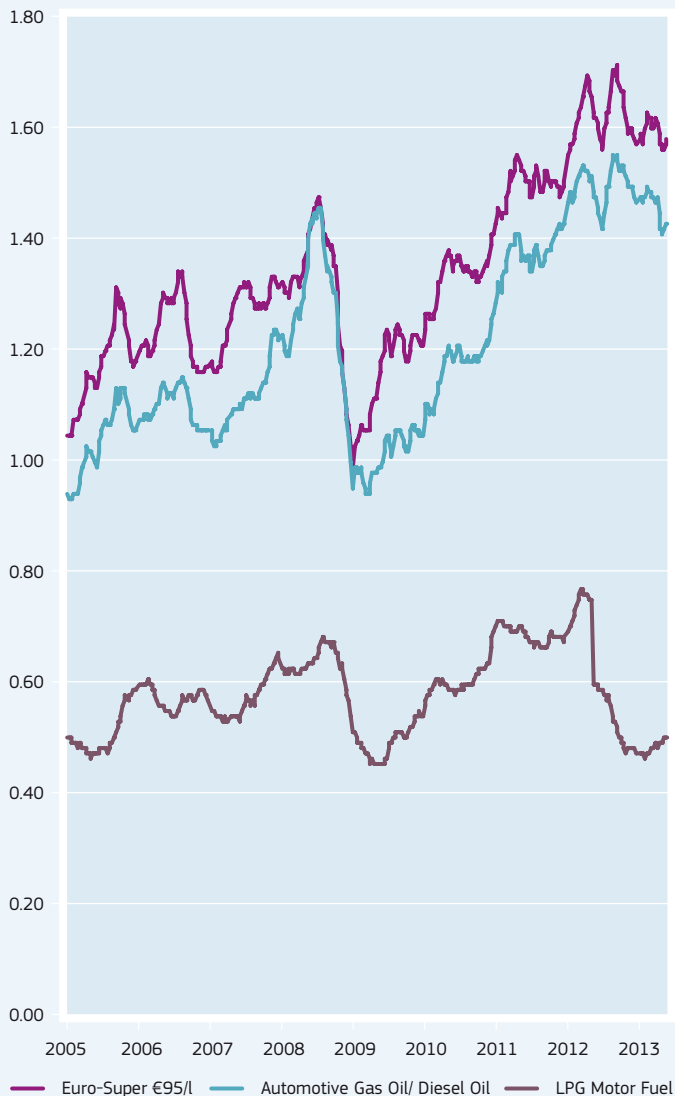
Current Prices in € per litre	2005	2009	2010	2011	2012
EU-27*	1.17	1.16	1.33	1.49	1.62
BE	1.22	1.24	1.40	1.54	1.65
BG		0.88	1.02	1.17	1.28
CZ	0.95	1.03	1.25	1.41	1.46
DK	1.21	1.28	1.44	1.61	1.70
DE	1.22	1.26	1.39	1.53	1.65
EE	0.80	0.92	1.11	1.24	1.36
IE	1.05	1.11	1.30	1.48	1.62
EL	0.89	1.00	1.43	1.67	1.75
ES	0.96	1.01	1.16	1.32	1.43
FR	1.16	1.21	1.34	1.50	1.57
IT	1.22	1.23	1.36	1.55	1.79
CY	0.86	0.88	1.04	1.21	1.32
LV	0.81	0.96	1.09	1.28	1.41
LT	0.83	1.02	1.18	1.32	1.41
LU	1.02	1.03	1.16	1.29	1.39
HU	1.05	1.00	1.22	1.37	1.48
MT	0.94	1.12	1.19	1.38	1.48
NL	1.35	1.35	1.49	1.64	1.76
AT	1.03	1.04	1.19	1.36	1.45
PL	1.00	0.96	1.13	1.24	1.36
PT	1.14	1.23	1.37	1.54	1.64
RO		0.84	1.06	1.23	1.27
SI	0.92	1.05	1.20	1.29	1.48
SK	0.96	1.11	1.25	1.44	1.54
FI	1.22	1.28	1.43	1.56	1.67
SE	1.18	1.12	1.34	1.54	1.71
UK	1.27	1.12	1.36	1.54	1.68

* EU-25 prices in 2005
Source: DG ENERGY, Member States
Methodology and Notes: See Appendix 13 – No 2

Prices of Transport Fuels

Consumer Prices of Petroleum Products

EU-27 Weighted Average* (€ per litre)



* All Taxes Included
Source: DG ENERGY, Member States
Methodology and Notes: See Appendix 13 – No 2

Taxation of Energy Products

Excise Duties*

€/litre	Euro-Super 95	Automotive Gas Oil	Heating Gas Oil – Non-Business Use
BE	0.614	0.428	0.018
BG	0.363	0.330	0.026
CZ	0.512	0.437	0.437
DK	0.593	0.444	0.347
DE	0.655	0.470	0.061
EE	0.423	0.393	0.111
IE	0.588	0.479	0.102
EL	0.670	0.330	0.330
ES	0.456	0.331	0.085
FR	0.607	0.428	0.057
IT	0.728	0.617	0.403
CY	0.429	0.400	0.125
LV	0.415	0.336	0.022
LT	0.434	0.330	0.021
LU	0.462	0.335	0.010
HU	0.432	0.398	0.398
MT	0.469	0.382	0.142
NL	0.747	0.440	0.440
AT	0.482	0.425	0.128
PL	0.406	0.355	0.057
PT	0.585	0.368	0.292
RO	0.360	0.330	0.330
SI	0.576	0.449	0.138
SK	0.551	0.386	0.386
FI	0.650	0.463	0.163
SE	0.664	0.573	0.461
UK	0.674	0.674	0.130

* Source: DG Taxation and Customs Union, Excise Duties, January 2013
Methodology and Notes: See Appendix 13 – No 2

Taxation of Energy Products

VAT

%	Euro-Super 95 & Automotive Gas Oil	Heating Gasoil – Non-Business Use	Electricity – Non-Business Use	Natural Gas – Heating – Non-Business Use
BE	21.0	21.0	21.0	21.0
BG	20.0	20.0	20.0	20.0
CZ	21.0	21.0	21.0	21.0
DK	25.0	25.0	25.0	25.0
DE	19.0	19.0	19.0	19.0
EE	20.0	20.0	20.0	20.0
IE	23.0	13.5	13.5	13.5
EL	23.0	23.0	13.0	13.0
ES	21.0	18.0	21.0	21.0
FR	19.6	19.6	19.6	19.6
IT	21.0	21.0	21.0	10.0
CY	18.0	18.0	17.0	17.0
LV	21.0	21.0	21.0	21.0
LT	21.0	21.0	21.0	21.0
LU	15.0	12.0	6.0	6.0
HU	27.0	27.0	27.0	27.0
MT	18.0	18.0	18.0	18.0
NL	21.0	21.0	21.0	21.0
AT	20.0	20.0	20.0	20.0
PL	23.0	23.0	23.0	23.0
PT	23.0	13.0	23.0	23.0
RO	24.0	24.0	24.0	24.0
SI	20.0	20.0	20.0	20.0
SK	20.0	20.0	0.0	20.0
FI	24.0	24.0	24.0	24.0
SE	25.0	25.0	25.0	25.0
UK	20.0	20.0	5.0	5.0

Fuel Prices – Domestic Consumers*

Gas – Band D2: 20GJ < Consumption < 200GJ

€/GJ (GCV) 2nd Semester	2007	2008	2009	2010	2011	2012
EU-27	14.43	17.45	14.75	15.86	18.16	19.87
BE	13.89	20.24	14.33	16.78	20.31	20.39
BG	8.98	10.86	9.67	11.98	13.10	15.44
CZ	10.06	14.69	13.11	14.35	16.53	18.36
DK	36.88	26.57	26.77	30.11	30.14	30.09
DE	17.04	21.17	16.35	15.86	17.77	18.01
EE	7.30	10.30	10.07	11.14	12.14	14.38
IE	16.85	18.05	15.29	14.63	17.17	18.68
EL	0.00	0.00	0.00	0.00	0.00	28.25
ES	16.15	18.14	14.88	15.00	15.00	25.32
FR	14.32	16.06	16.20	15.98	17.95	18.95
IT	17.15	19.99	14.84	21.86	24.32	26.89
CY	:	:	:	:	:	:
LV	8.65	13.88	10.52	11.28	12.69	15.57
LT	6.52	10.63	11.29	12.59	14.99	16.97
LU	10.12	14.28	12.82	13.13	15.24	16.49
HU	10.62	12.93	13.23	15.38	15.82	17.56
MT	:	:	:	:	:	:
NL	19.14	21.03	18.67	19.84	24.54	23.46
AT	16.95	17.11	17.23	16.71	20.03	21.20
PL	11.15	14.30	12.78	14.04	13.90	16.00
PT	18.13	17.48	16.52	17.49	20.51	23.69
RO	9.51	9.33	7.45	7.73	7.68	7.61
SI	14.14	19.77	14.96	18.68	22.01	20.28
SK	11.51	12.92	13.21	12.39	14.21	14.29
FI	:	:	:	:	:	:
SE	24.80	28.22	26.12	29.48	32.37	35.22
UK	9.91	13.29	11.84	11.72	14.53	16.05

* Source: DG Taxation and Customs Union, Excise Duties, January 2013
Methodology and Notes: See Appendix 13 – No 2

* All Taxes Included
Source: Eurostat, June 2013
Methodology and Notes: See Appendix 13 – No 2

Fuel Prices – Domestic Consumers*

Electricity – Band DC: 2 500 kWh < Consumption < 5 000 kWh

€/100 kWh 2nd Semester	2007	2008	2009	2010	2011	2012
EU-27	15.63	16.67	16.37	17.28	18.36	19.66
BE	16.83	21.52	18.64	19.74	21.19	22.23
BG	7.21	8.23	8.18	8.30	8.74	9.55
CZ	10.63	12.99	13.94	13.92	14.66	15.01
DK	24.01	27.85	25.53	27.08	29.75	29.72
DE	21.05	21.95	22.94	24.38	25.31	26.76
EE	7.86	8.50	9.20	10.04	10.42	11.23
IE	19.18	20.33	18.55	18.75	20.86	22.89
EL	9.84	10.99	10.32	12.11	12.38	14.18
ES	14.00	15.57	16.84	18.51	20.88	22.75
FR	12.22	12.03	12.07	13.50	14.23	14.50
IT	N/A	22.27	19.97	19.20	20.84	22.97
CY	15.73	20.40	16.42	20.21	24.13	29.09
LV	7.29	10.03	10.54	10.48	13.42	13.69
LT	8.70	8.65	9.26	12.16	12.21	12.68
LU	16.45	16.09	18.82	17.47	16.60	17.06
HU	12.96	15.53	16.62	15.74	15.53	15.57
MT	9.18	15.36	15.13	17.00	17.00	17.00
NL	17.20	17.80	18.41	16.96	17.73	18.95
AT	17.40	17.72	19.09	19.30	19.65	20.24
PL	13.80	12.95	12.91	13.82	13.51	15.29
PT	15.62	15.25	15.94	16.66	18.81	20.63
RO	11.41	11.03	9.79	10.52	10.85	10.75
SI	11.16	11.56	13.41	14.26	14.92	15.42
SK	13.70	15.26	15.60	16.37	17.10	17.22
FI	11.49	12.73	12.89	13.70	13.70	15.59
SE	16.13	17.46	16.46	19.58	20.44	20.83
UK	14.81	16.03	14.07	14.49	15.84	17.85

* All Taxes Included
Source: Eurostat, June 2013
Methodology and Notes: See Appendix 13 – No 2

Fuel Prices – Industrial Consumers*

Gas – Band I3: 10 000 GJ < Consumption < 100 000 GJ

€/GJ (GCV) 2nd Semester	2007	2008	2009	2010	2011	2012
EU-27	9.92	12.79	9.75	11.14	12.54	13.42
BE	9.46	13.04	10.14	9.91	11.17	11.65
BG	6.02	8.91	7.15	10.10	10.62	13.32
CZ	8.11	13.03	9.00	12.08	11.50	11.27
DK	9.18	21.13	16.94	21.93	22.72	24.29
DE	12.84	16.43	11.44	14.64	16.45	16.09
EE	5.94	10.34	7.66	9.43	10.31	11.93
IE	10.86	12.20	8.08	9.66	12.13	12.95
EL	0.00	0.00	0.00	0.00	0.00	18.12
ES	8.21	10.48	8.73	9.54	10.88	12.44
FR	10.06	12.84	10.34	11.46	12.39	13.28
IT	9.19	12.45	8.62	9.19	10.84	12.26
CY	:	:	:	:	:	:
LV	9.10	12.99	9.30	10.70	11.30	13.39
LT	7.98	14.33	9.09	11.37	14.47	15.49
LU	9.27	12.04	10.65	12.46	14.61	15.08
HU	10.29	14.06	12.57	12.42	15.25	18.12
MT	:	:	:	:	:	:
NL	10.83	12.66	12.31	10.92	11.36	12.22
AT	:	:	:	:	:	14.65
PL	8.80	11.39	10.20	11.01	10.85	12.80
PT	8.61	9.67	7.59	9.82	11.96	14.35
RO	9.39	9.24	7.06	7.57	8.53	9.09
SI	10.61	15.19	11.54	14.17	17.28	18.36
SK	9.45	15.61	10.60	12.16	13.64	13.76
FI	8.30	11.40	9.70	11.23	15.72	16.26
SE	20.19	23.13	20.48	22.27	26.19	27.45
UK	8.42	10.21	6.96	7.43	9.23	10.79

* All Taxes Included
Source: Eurostat, June 2013
Methodology and Notes: See Appendix 13 – No 2

Fuel Prices – Industrial Consumers*

Electricity – Band IC: 500 MWh < Consumption < 2 000 MWh

€/100 kWh 2nd Semester	2007	2008	2009	2010	2011	2012
EU-27	11.48	12.49	12.52	12.84	13.69	14.66
BE	11.49	11.63	13.05	12.76	13.81	13.40
BG	6.80	7.82	7.67	7.98	8.00	9.35
CZ	11.28	13.35	13.35	12.97	12.99	12.34
DK	20.74	22.40	21.36	19.28	23.37	25.92
DE	13.53	14.28	15.15	15.62	16.62	17.27
EE	6.26	7.11	7.74	8.73	9.02	9.81
IE	13.88	16.04	13.27	12.77	14.60	15.75
EL	8.63	10.06	10.20	11.39	12.56	13.81
ES	11.06	12.38	12.99	12.90	13.64	14.47
FR	6.86	7.36	7.74	8.35	8.37	9.42
IT	:	17.04	15.81	16.63	19.18	23.29
CY	15.97	20.75	17.15	19.84	24.19	27.32
LV	7.02	9.40	10.82	10.96	13.44	13.44
LT	8.78	9.90	9.54	12.65	12.56	13.84
LU	10.35	10.38	12.28	10.86	10.57	10.74
HU	13.54	14.61	16.18	13.12	13.17	13.57
MT	12.81	17.00	13.56	18.90	18.90	18.90
NL	11.50	12.20	13.17	12.29	12.22	11.59
AT	11.28	12.86	:	:	:	13.31
PL	11.04	11.10	11.39	12.04	11.58	11.76
PT	8.32	9.46	9.89	9.64	11.46	14.09
RO	10.84	11.34	9.90	10.08	10.55	10.52
SI	10.92	11.82	11.55	12.06	11.57	11.29
SK	12.48	15.33	16.70	14.26	15.13	15.25
FI	7.15	8.22	8.33	8.41	9.23	9.15
SE	8.19	9.65	8.61	10.50	10.36	9.70
UK	12.67	12.79	11.64	11.64	12.53	14.43

* All Taxes Included
 Source: Eurostat, June 2013
 Methodology and Notes: See Appendix 13 – No 2

PART 3

Socio-Economic Indicators in the EU



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Classification of the Energy Sector UN Broad Definition (ISIC)

Comparative Table with Eurostat (NACE)

NACE rev 2	ISIC 4
B05: Mining of Coal and Lignite	
05.10: Mining of Hard Coal	05.10
05.20: Mining of Lignite	05.20
B06: Extraction of Crude Petroleum and Natural Gas	
06.10: Extraction of Crude Petroleum	06.10
06.20: Extraction of Natural Gas	06.20
B07: Mining of Metal Ores	
07.21: Mining of Uranium and Thorium Ores	07.21
B08: Other Mining and Quarrying	
08.92: Extraction of Peat	08.92
B09: Mining Support Service Activities	
09.10: Support Activities for Petroleum and Natural Gas Extraction	09.10
C19: Manufacture of Coke and Refined Petroleum Products	
19.10: Manufacture of Coke Oven Products	19.10
19.20: Manufacture of Refined Petroleum Products	19.20
*D35: Electricity, Gas, Steam and Air Conditioning Supply	
35.11: Production of Electricity	35.10
Power Generation, Hydroelectric	
Power Generation, Fossil Fuel	
Power Generation, Nuclear	
Electric Power Generation, Solar	
Electric Power Generation, Wind	
Electric Power Generation, Geothermal	
Electric Power Generation, Biomass	
Electric Power Generation, Tidal	
35.12: Transmission of Electricity	
35.13: Distribution of Electricity	
35.14: Trade of Electricity	
35.21: Manufacture of Gas	35.20
35.22: Distribution of Gaseous Fuels through Mains	
35.23: Trade of Gas through Mains	
35.30: Steam and Air Conditioning Supply	35.30

Enterprises in the Sector* Number of Enterprises

	Mining of Coal and Lignite (B05)				Extraction of Crude Petroleum and Natural Gas (B06)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	294	230	221	212	309	290	310	381
BE	0	0	:	:	:	0	0	0
BG	23	25	23	26	9	9	7	9
CZ	:	14	12	10	:	6	7	5
DK	0	0	0	0	10	10	9	14
DE	7	5	6	6	4	4	4	:
EE	0	0	0	0	1	1	1	1
IE	:	:	:	:	:	:	:	:
EL	:	3		3	:	:	:	:
ES	110	48	48	43	4	4	4	5
FR	10	6	6	0	61	51	32	62
IT	:	:	:	:	5	3	3	:
CY	0	0	0	0	0	0	0	0
LV	3	2	0	0	0	0	1	1
LT	0	0	0	0	4	4	4	4
LU	0	0	0	0	0	0	0	0
HU	12	10	9	12	10	10	13	10
MT	:	:	:	:	:	:	:	:
NL	:	:	0	0	45	43	48	45
AT	0	0	0	0	2	2	2	:
PL	44	45	48	53	28	35	54	64
PT	0	0	0	0	0	0	0	0
RO	38	39	35	31	10	11	21	26
SI	2	2	2	1	1	1	1	1
SK	:	:	:	:	:	:	0	:
FI	0	0	0	0	0	0	0	0
SE	:	:	:	:	:	:	:	:
UK	22	26	23	21	105	93	98	124

* Narrow Definition Includes, only, Division D35
 Source: Eurostat, UN, June 2013
 Methodology and Notes: See Annex 13 – No 3

* According to the Structural Business Statistics Survey (SBS)
 Italics: DG Energy Estimations
 Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
 Methodology and Notes: See Annex 13 – No 3

Number of Enterprises*

	Extraction of Peat (B08.92)				Support Activities for Petroleum and Natural Gas Extraction (B09.1)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	986	916	930	932	782	878	894	912
BE	0	0	0	:	:	:	:	:
BG	:	9	10	:	4	6	6	10
CZ	:	:	:	:	:	8	7	7
DK	7	5	4	:	47	37	35	40
DE	90	90	74	:	:	:	:	:
EE	38	36	39	:	0	0	0	0
IE	:	:	:	:	:	:	0	:
EL	:	:	:	:	:	:	:	:
ES	6	6	6	:	24	:	:	:
FR	:	23	23	:	:	35	36	44
IT	0	0	12	:	:	:	:	:
CY	0	0	0	:	0	0	0	0
LV	54	50	49	:	0	0	0	0
LT	20	22	24	:	0	0	0	0
LU	0	0	0	:	0	0	0	0
HU	:	:	15	:	29	35	40	33
MT	:	:	:	:	:	:	:	:
NL	8	4	7	:	103	105	116	115
AT	7	7	7	:	6	6	8	7
PL	49	44	45	:	52	70	90	101
PT	3	2	0	:	2	3	1	1
RO	10	10	8	:	93	93	91	93
SI	0	0	0	:	3	3	3	3
SK	:	:	:	:	:	:	:	:
FI	519	464	463	:	0	0	0	0
SE	87	85	82	:	39	43	45	47
UK	24	24	25	:	267	332	270	265

* According to the Structural Business Statistics Survey (SBS)
 Italics: DG Energy Estimations
 Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
 Methodology and Notes: See Annex 13 – No 3

Number of Enterprises*

	Manufacture of Coke and Refined Petroleum Products (C19)				Electricity, Gas, Steam and Air Conditioning Supply (D35)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	1 211	1 188	1 120	1 088	33 517	39 028	51 400	62 890
BE	:	45	22	19	:	:	301	420
BG	21	19	17	13	583	921	1 091	1 397
CZ	22	18	26	32	1 264	1 616	2 955	5 137
DK	4	4	5	8	1 692	1 669	1 681	1 787
DE	86	79	95	96	1 589	1 672	1 722	1 722
EE	9	8	5	4	181	192	223	220
IE	:	:	:	:	140	147	236	:
EL	:	7	:	:	:	:	:	:
ES	13	14	18	15	12 004	12 707	13 098	16 007
FR	88	98	52	73	3 866	6 519	14 337	18 545
IT	353	330	328	:	2 472	2 930	4 028	:
CY	:	:	:	:	1	1	4	7
LV	3	4	13	7	279	322	381	383
LT	5	7	6	7	213	225	253	328
LU	0	0	0	0	60	64	68	64
HU	10	11	9	11	542	562	611	653
MT	:	:	:	:	:	:	:	:
NL	37	37	42	37	558	687	678	700
AT	5	5	4	:	1 512	1 569	1 878	1 967
PL	158	166	165	146	1 788	2 079	2 047	2 503
PT	1	1	8	10	618	681	730	738
RO	33	48	54	40	506	609	885	924
SI	5	4	3	:	417	481	648	797
SK	:	:	:	:	203	191	294	300
FI	13	16	15	14	722	726	736	769
SE	44	48	45	40	1 528	1 636	1 828	2 001
UK	245	209	170	162	478	598	651	1 221

* According to the Structural Business Statistics Survey (SBS)
 Italics: DG Energy Estimations
 Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
 Methodology and Notes: See Annex 13 – No 3

Number of Enterprises*

EU-27

	2008	2009	2010	2011
B05: Mining of Coal and Lignite	294	230	221	212
B06: Extraction of Crude Petroleum and Natural Gas	309	290	310	381
B07.21: Mining of Uranium and Thorium Ores	:	:	:	:
B08.92: Extraction of Peat	986	916	930	932
B09.10: Support Activities for Petroleum and Natural Gas Extraction	782	878	894	912
C19: Manufacture of Coke and Refined Petroleum Products	1 211	1 188	1 120	1 088
D35: Electricity, Gas, Steam and Air Conditioning Supply	33 517	39 028	51 400	62 890
D35.1 Electricity	27 394	32 832	45 037	56 128
35.11: Production of Electricity	23 661	28 741	40 447	:
35.12: Transmission of Electricity	196	208	222	:
35.13: Distribution of Electricity	2 020	2 154	2 138	:
35.14: Trade of Electricity	1 517	1 729	2 228	:
D35.2 Gas	1 498	1 516	1 633	1 705
35.21: Manufacture of Gas	188	201	250	:
35.22: Distribution of Gaseous Fuels through Mains	783	748	756	:
35.23: Trade of Gas through Mains	527	567	627	:
D35.3 Steam and Air Conditioning	4 625	4 680	4 730	4 917
35.30: Steam and Air Conditioning Supply	4 625	4 680	4 730	:
Broad Sector – Total	37 099	42 530	54 875	66 415

* According to the Structural Business Statistics Survey (SBS)
Italics: DG Energy Estimations
Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
Methodology and Notes: See Annex 13 – No 3

Turnover*

Mio €	Mining of Coal and Lignite (B05)				Extraction of Crude Petroleum and Natural Gas (B06)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	16 723	14 013	15 541	16 322	172 477	124 410	142 705	150 472
BE	0	0	:	:	:	0	0	0
BG	327	312	331	402	41	:	26	98
CZ	:	2 308	2 812	2 909	:	:	:	:
DK	0	0	0	0	9 240	6 009	7 050	8 877
DE	4 016	3 105	3 921	:	3 829	2 939	2 762	:
EE	0	0	0	0	:	:	:	:
IE	:	:	:	:	:	:	:	:
EL	:	79	:	:	:	:	:	:
ES	858	871	596	885	78	77	80	84
FR	48	48	:	0	851	688	728	952
IT	:	:	:	:	48 042	32 797	46 241	36 213
CY	0	0	0	0	0	0	0	0
LV	:	:	0	0	0	0	:	:
LT	0	0	0	0	91	47	69	88
LU	0	0	0	0	0	0	0	0
HU	53	14	7	9	89	74	81	106
MT	:	:	:	:	:	:	:	:
NL	:	:	0	0	37 829	34 618	34 849	40 859
AT	0	0	0	0	:	:	:	:
PL	7 212	5 634	5 974	6 858	:	:	:	:
PT	0	0	0	0	0	0	0	0
RO	485	361	358	412	5 473	3 808	4 191	4 947
SI	:	:	:	:	:	:	:	:
SK	:	:	:	:	:	:	0	:
FI	0	0	0	0	0	0	0	0
SE	:	:	:	:	:	:	:	:
UK	1 025	969	1 112	:	65 154	41 940	44 980	53 390

* According to the Structural Business Statistics Survey (SBS)
Italics: DG Energy Estimations
Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
Methodology and Notes: See Annex 13 – No 3

Turnover*

Mio €	Extraction of Peat (B08.92)				Support Activities for Petroleum and Natural Gas Extraction (B09.1)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	1 568.7	1 582.9	1 734.6	1 823.4	13 766.0	12 643.8	14 173.9	13 245.5
BE	0.0	0.0	0.0	:	:	:	:	:
BG	:	:	0.6	:	:	:	:	1.9
CZ	:	:	:	:	:	:	46.3	:
DK	:	:	:	:	358.5	412.2	:	:
DE	348.8	414.2	417.5	:	:	:	:	:
EE	71.5	54.9	77.3	:	0.0	0.0	0.0	0.0
IE	:	:	:	:	:	:	0.0	:
EL	:	:	:	:	:	:	:	:
ES	11.6	9.9	10.5	:	60.1	:	:	:
FR	:	70.8	74.2	:	:	165.4	301.7	40.8
IT	0.0	0.0	11.8	:	:	:	:	401.5
CY	0.0	0.0	0.0	:	0.0	0.0	0.0	0.0
LV	:	:	101.4	:	0.0	0.0	0.0	0.0
LT	32.5	36.3	39.9	:	0.0	0.0	0.0	0.0
LU	0.0	0.0	0.0	:	0.0	0.0	0.0	0.0
HU	:	:	3.2	:	146.1	183.2	94.8	127.0
MT	:	:	:	:	:	:	:	:
NL	:	:	:	:	:	:	:	:
AT	:	:	:	:	11.3	:	13.6	10.4
PL	39.3	:	:	:	213.9	238.9	377.7	367.3
PT	:	:	0.0	:	:	:	:	:
RO	1.1	1.0	0.3	:	973.4	534.1	874.0	600.7
SI	0.0	0.0	0.0	:	:	:	:	:
SK	:	:	:	:	:	:	:	:
FI	460.1	471.7	554.4	:	0.0	0.0	0.0	0.0
SE	38.3	35.6	30.7	:	:	:	:	:
UK	:	:	:	:	7 537.0	7 133.2	8 374.6	8 012.1

* According to the Structural Business Statistics Survey (SBS)
Italic: DG Energy Estimations
Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
Methodology and Notes: See Annex 13 – No 3

Turnover*

Mio €	Manufacture of Coke and Refined Petroleum Products (C19)				Electricity, Gas, Steam and Air Conditioning Supply (D35)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	567 423.0	390 971.1	500 187.0	566 458.0	1 100 000	1 139 031	1 220 000	1 290 148
BE	:	36 060.9	48 074.1	59 828.6	:	:	43 772	48 688
BG	:	:	:	:	7 313	6 919	7 279	8 107
CZ	5 021.9	3 184.9	4 511.7	5 120.6	30 927	35 028	37 195	43 618
DK	:	:	:	:	20 410	17 577	20 378	21 559
DE	134 361.4	103 744.5	120 831.6	97 451.8	357 896	380 564	426 882	424 711
EE	179.9	150.7	178.0	:	1 542	1 525	1 834	1 864
IE	:	:	:	:	:	6 464	6 706	:
EL	:	11 949.4	:	:	:	:	:	:
ES	44 349.3	27 421.3	34 773.4	48 482.5	74 339	64 370	59 706	92 123
FR	69 128.4	48 739.3	61 248.1	73 393.7	106 501	103 395	109 649	112 182
IT	48 947.8	31 291.2	46 037.6	51 042.2	156 802	151 962	160 950	163 365
CY	:	:	:	:	738	629	782	878
LV	:	0.4	0.6	0.6	2 391	2 332	2 311	2 564
LT	:	:	:	:	2 690	2 686	3 279	3 268
LU	0.0	0.0	0.0	0.0	2 387	2 531	1 951	3 031
HU	9 384.0	6 984.0	8 297.8	9 315.6	26 853	22 522	22 059	20 848
MT	:	:	:	:	:	:	:	:
NL	:	30 674.7	37 149.9	48 755.7	38 660	45 710	41 197	40 457
AT	:	:	:	:	27 554	28 104	29 297	32 320
PL	28 312.7	20 021.2	27 575.0	35 744.9	44 091	39 851	42 567	44 740
PT	:	:	8 253.7	9 373.5	20 620	16 374	16 166	17 488
RO	4 112.9	2 541.2	3 272.0	4 379.7	13 181	11 288	12 078	13 449
SI	14.6	:	:	:	3 580	3 627	4 034	5 287
SK	:	:	:	:	11 021	10 784	11 351	12 629
FI	:	:	:	:	12 012	12 136	14 455	13 903
SE	1 526.2	1 483.7	:	:	24 824	21 626	28 486	28 780
UK	49 837.4	35 010.2	44 763.5	51 028.6	107 876	102 616	109 515	116 083

* According to the Structural Business Statistics Survey (SBS)
Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
Methodology and Notes: See Annex 13 – No 3

Turnover*

EU-27

Mio €	2008	2009	2010	2011
B05: Mining of Coal and Lignite	16 723	14 013	15 541	16 322
B06: Extraction of Crude Petroleum and Natural Gas	172 477	124 410	142 705	150 472
B07.21: Mining of Uranium and Thorium Ores	:	:	:	:
B08.92: Extraction of Peat	1 569	1 583	1 735	1 823
B09.1: Support Activities for Petroleum and Natural Gas Extraction	13 766	12 644	14 174	13 246
C19: Manufacture of Coke and Refined Petroleum Products	567 423	390 971	500 187	566 458
D35: Electricity, Gas, Steam and Air Conditioning Supply	1 148 780	1 139 031	1 220 000	1 290 148
D35.1 Electricity	871 677	888 010	951 226	994 940
35.11: Production of Electricity	312 367	286 768	306 468	:
35.12: Transmission of Electricity	55 690	58 461	55 108	:
35.13: Distribution of Electricity	216 757	200 429	201 005	:
35.14: Trade of Electricity	286 863	342 352	388 646	:
D35.2 Gas	243 903	218 585	233 618	258 027
35.21: Manufacture of Gas	6 042	5 586	6 578	:
35.22: Distribution of Gaseous Fuels through Mains	71 356	62 958	68 600	:
35.23: Trade of Gas through Mains	166 505	150 041	158 427	:
D35.3 Steam and Air Conditioning	33 200	32 435	35 156	37 181
35.30: Steam and Air Conditioning Supply	33 200	32 435	35 156	37 181
Broad Sector – Total	1 920 739	1 682 652	1 894 342	2 038 468

* According to the Structural Business Statistics Survey (SBS)
Italics: DG Energy Estimations
Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
Methodology and Notes: See Annex 13 – No 3

Number of Persons Employed*

Enterprise data

	Mining of Coal and Lignite (B05)				Extraction of Crude Petroleum and Natural Gas (B06)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	260 700	256 500	234 589	229 401	79 600	75 700	72 123	67 618
BE	0	0	:	:	:	0	0	0
BG	13 905	13 760	13 269	13 301	:	:	:	:
CZ	:	:	24 262	22 974	:	:	:	:
DK	0	0	0	0	444	523	566	592
DE	38 415	35 128	33 672	:	3 544	3 696	3 754	:
EE	0	0	0	0	:	:	:	:
IE	:	:	:	:	:	:	:	:
EL	:	183	:	:	:	:	:	:
ES	7 311	6 708	6 105	5 439	215	231	242	280
FR	:	:	28	:	:	:	814	:
IT	:	:	:	:	13 047	12 769	12 116	12 115
CY	0	0	0	0	0	0	0	0
LV	18	3	0	0	0	0	1	13
LT	0	0	0	0	351	304	252	261
LU	0	0	0	0	0	0	0	0
HU	121	118	111	108	36	66	75	84
MT	:	:	:	:	:	:	:	:
NL	:	:	0	0	3 076	3 133	3 173	3 339
AT	0	0	0	0	:	:	:	:
PL	138 338	142 364	124 925	122 121	:	:	:	:
PT	0	0	0	0	0	0	0	0
RO	20 804	20 002	18 011	17 071	38 538	35 475	30 546	28 056
SI	:	:	:	:	:	:	:	1
SK	:	:	:	:	:	:	0	:
FI	0	0	0	0	0	0	0	0
SE	:	:	:	:	:	:	:	:
UK	5 944	:	6 023	6 504	13 405	:	15 300	13 025

* According to the Structural Business Statistics Survey (SBS)
Italics: DG Energy Estimations
Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
Methodology and Notes: See Annex 13 – No 3

Number of Persons Employed*

Enterprise data

	Extraction of Peat (B08.92)				Support Activities for Petroleum and Natural Gas Extraction (B09.1)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	12 000	12 100	11 624	11 678	42 600	39 600	44 954	45 553
BE	0	0	0	:	:	:	:	:
BG	:	83	52	:	:	10	14	:
CZ	:	:	:	:	:	:	421	:
DK	:	:	:	:	1 716	1 967	:	:
DE	1 912	2 075	2 003	:	:	:	:	:
EE	1 276	1 112	1 153	:	0	0	0	0
IE	:	:	:	:	:	:	0	:
EL	:	:	:	:	:	:	:	:
ES	57	47	48	:	224	:	:	:
FR	:	:	248	:	:	:	110	:
IT	0	0	12	:	:	:	:	1 634
CY	0	0	0	:	0	0	0	0
LV	1 970	2 039	1 977	:	0	0	0	0
LT	1 229	1 142	1 126	:	0	0	0	0
LU	0	0	0	:	0	0	0	0
HU	:	:	116	:	1 275	1 182	1 089	1 214
MT	:	:	:	:	:	:	:	:
NL	36	:	22	:	2 270	2 774	:	:
AT	:	:	:	:	19	:	27	22
PL	711	:	:	:	2 181	3 096	4 082	3 890
PT	:	:	0	:	:	:	:	:
RO	41	40	26	:	9 882	7 337	6 267	6 938
SI	0	0	0	:	:	:	:	:
SK	:	:	:	:	:	:	:	:
FI	1 735	1 841	1 845	:	0	0	0	0
SE	358	352	306	:	:	:	:	:
UK	634	:	355	:	18 489	17 360	22 879	:

* According to the Structural Business Statistics Survey (SBS)
 Italics: DG Energy Estimations
 Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
 Methodology and Notes: See Annex 13 – No 3

Number of Persons Employed*

Enterprise data

	Manufacture of Coke and Refined Petroleum Products (C19)				Electricity, Gas, Steam and Air Conditioning Supply (D35)			
	2008	2009	2010	2011	2008	2009	2010	2011
EU-27	140 200	133 200	130 503	127 355	1 200 000	1 203 700	1 212 743	1 198 854
BE	:	4 429	4 091	4 016	:	:	19 193	20 099
BG	:	3 644	:	2 533	36 197	35 607	34 191	33 061
CZ	2 926	2 805	2 614	2 404	32 652	32 809	31 053	32 200
DK	:	:	:	:	13 206	11 544	11 235	10 436
DE	19 611	18 987	19 452	19 116	221 450	224 119	221 264	221 492
EE	1 330	1 397	1 406	:	6 290	5 874	5 681	5 678
IE	:	:	:	:	9 258	9 354	9 206	:
EL	:	4 513	:	:	:	:	:	:
ES	8 823	8 872	8 954	9 280	47 622	48 089	48 687	52 444
FR	:	:	15 095	:	:	:	170 194	:
IT	16 383	16 115	16 493	16 111	84 224	85 443	86 414	85 432
CY	:	:	:	:	1 427	1 473	1 503	1 492
LV	9	12	12	26	12 185	11 277	10 907	10 718
LT	:	:	:	:	18 303	17 103	15 876	12 929
LU	0	0	0	0	1 094	1 170	1 198	1 262
HU	6 538	6 387	6 329	6 450	27 387	26 537	25 715	25 646
MT	:	:	:	:	:	:	:	:
NL	6 652	6 169	5 908	5 661	23 869	22 180	22 882	:
AT	:	:	:	:	28 218	28 289	28 685	28 226
PL	16 606	16 080	13 623	13 729	153 286	152 604	162 409	152 650
PT	:	:	1 887	1 831	10 210	10 024	9 386	9 153
RO	5 017	4 286	3 960	3 406	89 511	86 047	81 111	79 628
SI	93	:	:	:	7 828	8 022	8 207	8 376
SK	:	:	:	:	21 641	19 770	20 034	18 779
FI	:	:	:	:	13 430	13 136	13 463	13 446
SE	2 748	2 449	:	:	31 151	30 820	31 115	30 722
UK	9 998	:	:	9 254	121 447	113 853	123 965	123 535

* According to the Structural Business Statistics Survey (SBS)
 Italics: DG Energy Estimations
 Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013
 Methodology and Notes: See Annex 13 – No 3

Number of Persons Employed*

Enterprise data – EU-27

	2008	2009	2010	2011
B05: Mining of Coal and Lignite	260 700	256 500	234 589	229 401
B06: Extraction of Crude Petroleum and Natural Gas	79 600	75 700	72 123	67 618
B07.21: Mining of Uranium and Thorium Ores	:	:	:	:
B08.92: Extraction of Peat	12 000	12 100	11 624	11 678
B09.1: Support Activities for Petroleum and Natural Gas Extraction	42 600	39 600	44 954	45 553
C19: Manufacture of Coke and Refined Petroleum Products	140 200	133 200	130 503	127 355
D35: Electricity, Gas, Steam and Air Conditioning Supply	1 200 000	1 203 700	1 212 743	1 198 854
D35.1 Electricity	894 200	885 500	887 265	888 358
35.11: Production of Electricity	427 200	421 800	439 723	:
35.12: Transmission of Electricity	70 800	50 220	45 414	:
35.13: Distribution of Electricity	316 000	320 900	310 707	:
35.14: Trade of Electricity	80 300	92 600	91 421	:
D35.2 Gas	139 300	154 046	161 668	150 796
35.21: Manufacture of Gas	:	4 246	11 475	:
35.22: Distribution of Gaseous Fuels through Mains	:	104 600	105 077	:
35.23: Trade of Gas through Mains	:	45 200	45 116	:
D35.3 Steam and Air Conditioning	166 500	164 154	163 810	159 700
35.30: Steam and Air Conditioning Supply	166 500	164 154	163 810	:
Broad Sector – Employment Reported	1 735 100	1 720 800	1 706 536	1 680 459

* According to the Structural Business Statistics Survey (SBS)

Italics: DG Energy Estimations

Source: Eurostat, SBS, NACE rev.2, sbs_na_ind_r2, June 2013

Methodology and Notes: See Annex 13 – No 3

Employment

Number of Persons Employed*

Member States' Data – EU-27

Thousands	2008	2009	2010	2011	2012
B05: Mining of Coal and Lignite	343.1	332.2	339.2	351.5	331.6
B06: Extraction of Crude Petroleum and Natural Gas	98.1	102.9	100.6	91.8	96.1
B07.21: Mining of Uranium and Thorium Ores	:	:	:	:	:
B08.92: Extraction of Peat**	12.0	12.1	11.6	11.7	:
B09.1: Support Activities for Petroleum and Natural Gas Extraction **	42.6	39.6	45.0	45.6	:
C19: Manufacture of Coke and Refined Petroleum Products	241.0	213.2	219.5	211.5	201.9
D35: Electricity, Gas, Steam and Air Conditioning Supply	1 542.5	1 640.9	1 652.9	1 655.6	1 653.9
D35.1 Electricity	:	:	:	:	:
35.11: Production of Electricity	:	:	:	:	:
35.12: Transmission of Electricity	:	:	:	:	:
35.13: Distribution of Electricity	:	:	:	:	:
35.14: Trade of Electricity	:	:	:	:	:
D35.2 Gas	:	:	:	:	:
35.21: Manufacture of Gas	:	:	:	:	:
35.22: Distribution of Gaseous Fuels through Mains	:	:	:	:	:
35.23: Trade of Gas through Mains	:	:	:	:	:
D35.3 Steam and Air Conditioning	:	:	:	:	:
35.30: Steam and Air Conditioning Supply	:	:	:	:	:
Broad Sector – Total Employment	2 279.3	2 340.9	2 368.8	2 367.6	2 283.5

* According to the Labour Force Survey (LFS), 15 years or over

** According to the Structural Business Survey (SBS)

Italics: DG Energy Estimations

Source: Eurostat, LFS, NACE rev.2, lfsa_egan22d, June 2013

Methodology and Notes: See Annex 13 – No 3

Employment Rate

Member States' Data – All Sectors – 15-64 years

%	1995	2000	2005	2009	2010	2011	2012
EU-27	:	62.2	63.4	64.5	64.1	64.3	64.2
BE	56.1	60.5	61.1	61.6	62.0	61.9	61.8
BG	:	50.4	55.8	62.6	59.7	58.4	58.8
CZ	:	65.0	64.8	65.4	65.0	65.7	66.5
DK	73.4	76.3	75.9	75.3	73.3	73.1	72.6
DE	64.6	65.6	65.5	70.3	71.1	72.5	72.8
EE	:	60.4	64.4	63.5	61.0	65.1	67.1
IE	54.4	65.2	67.6	62.2	59.6	58.9	58.8
EL	54.7	56.5	60.1	61.2	59.6	55.6	51.3
ES	46.9	56.3	63.3	59.8	58.6	57.7	55.4
FR	59.5	62.1	63.7	64.0	63.9	63.9	63.9
IT	51.0	53.7	57.6	57.5	56.9	56.9	56.8
CY	:	65.7	68.5	69.0	68.9	67.6	64.6
LV	:	57.5	63.3	60.9	59.3	60.8	63.1
LT	:	59.1	62.6	60.1	57.8	60.3	62.2
LU	58.7	62.7	63.6	65.2	65.2	64.6	65.8
HU	:	56.3	56.9	55.4	55.4	55.8	57.2
MT	:	54.2	53.9	55.0	56.1	57.6	59.0
NL	64.7	72.9	73.2	77.0	74.7	74.9	75.1
AT	68.8	68.5	68.6	71.6	71.7	72.1	72.5
PL	:	55.0	52.8	59.3	59.3	59.7	59.7
PT	63.7	68.4	67.5	66.3	65.6	64.2	61.8
RO	:	63.0	57.6	58.6	58.8	58.5	59.5
SI	:	62.8	66.0	67.5	66.2	64.4	64.1
SK	:	56.8	57.7	60.2	58.8	59.5	59.7
FI	61.6	67.2	68.4	68.7	68.1	69.0	69.4
SE	70.9	73.0	72.5	72.2	72.1	73.6	73.8
UK	68.5	71.2	71.7	69.9	69.5	69.5	70.1

Unemployment Rate*

Member States' Data – All Sectors

%	1995	2000	2005	2009	2010	2011	2012
EU-27	:	8.8	9.0	9.0	9.7	9.7	10.5
BE	9.7	6.9	8.5	7.9	8.3	7.2	7.6
BG	:	16.4	10.1	6.8	10.3	11.3	12.3
CZ	:	8.8	7.9	6.7	7.3	6.7	7.0
DK	6.7	4.3	4.8	6.0	7.5	7.6	7.5
DE	8.3	8.0	11.3	7.8	7.1	5.9	5.5
EE	:	13.6	7.9	13.8	16.9	12.5	10.2
IE	12.3	4.2	4.4	12.0	13.9	14.7	14.7
EL	:	11.2	9.9	9.5	12.6	17.7	24.3
ES	20.0	11.7	9.2	18.0	20.1	21.7	25.0
FR	10.5	9.0	9.3	9.5	9.7	9.6	10.2
IT	11.2	10.0	7.7	7.8	8.4	8.4	10.7
CY	:	4.8	5.3	5.4	6.3	7.9	11.9
LV	:	13.7	9.6	18.2	19.8	16.2	14.9
LT	:	16.4	8.0	13.6	18.0	15.3	13.3
LU	2.9	2.2	4.6	5.1	4.6	4.8	5.1
HU	:	6.3	7.2	10.0	11.2	10.9	10.9
MT	:	6.7	7.3	6.9	6.9	6.5	6.4
NL	7.1	3.1	5.3	3.7	4.5	4.4	5.3
AT	3.9	3.6	5.2	4.8	4.4	4.2	4.3
PL	:	16.1	17.9	8.1	9.7	9.7	10.1
PT	7.2	4.5	8.6	10.6	12.0	12.9	15.9
RO	:	6.8	7.2	6.9	7.3	7.4	7.0
SI	:	6.7	6.5	5.9	7.3	8.2	8.9
SK	:	18.9	16.4	12.1	14.5	13.6	14.0
FI	15.4	9.8	8.4	8.2	8.4	7.8	7.7
SE	8.8	5.6	7.7	8.3	8.6	7.8	8.0
UK	8.5	5.4	4.8	7.6	7.8	8.0	7.9

Economy

GDP at Current Market Prices

Mrd EUR*	1995	2000	2005	2009	2010	2011	2012
EU-27	7 036.6	9 199.8	11 072.3	11 754.5	12 278.7	12 642.4	12 897.4
BE	217.6	252.5	303.4	340.8	356.1	369.8	376.8
BG	10.0	14.0	23.3	34.9	36.1	38.5	39.7
CZ	44.2	63.8	104.6	142.2	150.3	156.2	152.8
DK	139.1	173.6	207.4	223.6	236.5	240.5	244.5
DE	1 929.5	2 047.5	2 224.4	2 374.5	2 496.2	2 592.6	2 643.9
EE	2.9	6.2	11.2	13.8	14.3	16.0	17.0
IE	51.9	105.8	163.0	161.3	156.5	159.0	163.6
EL	99.8	136.7	193.0	231.1	222.2	208.5	193.7
ES	456.2	629.9	909.3	1 048.1	1 048.9	1 063.4	1 049.5
FR	1 202.5	1 439.6	1 718.0	1 885.8	1 937.3	1 996.6	2 028.2
IT	865.5	1 198.3	1 436.4	1 519.7	1 551.9	1 578.5	1 565.9
CY	7.0	9.9	13.6	16.9	17.4	18.0	17.9
LV	3.8	8.4	12.9	18.5	18.0	20.2	22.3
LT	5.1	12.4	21.0	26.7	27.6	30.8	32.8
LU	15.8	22.0	30.3	36.0	39.9	42.6	44.4
HU	34.8	50.3	88.8	91.4	96.6	99.8	97.8
MT	2.8	4.4	4.9	6.0	6.3	6.6	6.8
NL	320.5	418.0	513.4	573.2	588.7	602.0	600.6
AT	182.5	208.5	245.2	276.2	286.4	300.7	309.9
PL	106.4	185.7	244.4	310.7	354.6	370.8	381.2
PT	89.8	127.3	154.3	168.5	172.9	171.1	165.4
RO	28.7	40.7	79.8	118.2	124.3	131.3	131.7
SI	16.0	21.5	28.7	35.6	35.6	36.2	35.5
SK	15.0	22.0	38.5	62.8	65.9	69.1	71.5
FI	100.1	132.2	157.4	172.3	178.8	189.5	194.5
SE	193.9	268.3	298.4	292.5	349.9	387.6	408.5
UK	895.1	1 600.2	1 846.6	1 573.5	1 709.6	1 746.6	1 901.0

* Units in Milliard – Long Scale = 1 000 Million €

Source: DG Economic and Financial Affairs, AMECO, 10990 UVGD, June 2013

Methodology and Notes: See Annex 13 – No 3

GDP per Capita at Current Market Prices

Thousand EUR/cap*	1995	2000	2005	2009	2010	2011	2012
EU-27	14.70	19.05	22.51	23.50	24.47	25.13	25.58
BE	21.46	24.65	28.97	31.58	32.72	33.69	34.09
BG	1.19	1.72	3.01	4.61	4.79	5.24	5.43
CZ	4.28	6.21	10.22	13.55	14.29	14.88	14.54
DK	26.60	32.52	38.27	40.49	42.64	43.18	43.75
DE	23.63	24.91	26.97	29.00	30.53	31.70	32.28
EE	2.00	4.49	8.30	10.27	10.69	11.90	12.70
IE	14.42	27.80	39.19	35.53	34.32	34.74	35.61
EL	9.38	12.52	17.39	20.48	19.65	18.45	17.16
ES	11.58	15.64	20.95	22.82	22.77	23.05	22.74
FR	20.25	23.71	27.29	29.25	29.88	30.63	30.96
IT	15.23	21.04	24.51	25.25	25.66	25.99	25.73
CY	10.77	14.34	18.41	20.86	20.99	21.13	20.48
LV	1.53	3.56	5.77	8.65	8.60	9.82	10.94
LT	1.42	3.56	6.33	8.44	8.92	10.17	10.97
LU	38.61	50.34	65.00	72.31	78.63	82.07	83.59
HU	3.37	4.93	8.80	9.12	9.66	10.01	9.83
MT	7.52	11.23	12.22	14.42	15.18	15.65	16.14
NL	20.73	26.25	31.47	34.69	35.44	36.06	35.86
AT	22.96	26.02	29.82	33.02	34.14	35.71	36.64
PL	2.78	4.85	6.40	8.14	9.21	9.62	9.89
PT	8.95	12.45	14.62	15.85	16.25	16.06	15.60
RO	1.27	1.81	3.69	5.51	5.80	6.14	6.18
SI	8.06	10.82	14.36	17.42	17.38	17.62	17.24
SK	2.79	4.08	7.14	11.59	12.13	12.70	13.22
FI	19.59	25.54	30.01	32.28	33.34	35.17	35.93
SE	21.97	30.24	33.04	31.45	37.31	41.02	42.92
UK	15.43	27.17	30.66	25.46	27.46	27.84	30.06

* 1 000 € per Capita

Source: DG Economic and Financial Affairs, AMECO, 10990 HVGDP, June 2013

Methodology and Notes: See Annex 13 – No 3

GDP at 2005 Market Prices

Mrd EUR*	1995	2000	2005	2009	2010	2011	2012
EU-27	8 727.5	10 072.4	11 072.3	11 338.9	11 578.0	11 757.0	11 718.9
BE	243.5	280.3	303.4	314.7	322.3	328.0	327.4
BG	17.6	17.8	23.3	26.5	26.6	27.1	27.3
CZ	78.2	85.6	104.6	116.6	119.5	121.7	120.2
DK	169.2	194.8	207.4	203.8	207.1	209.4	208.4
DE	1 969.0	2 159.2	2 224.4	2 284.5	2 379.4	2 451.5	2 467.7
EE	5.7	7.9	11.2	10.9	11.3	12.2	12.6
IE	78.3	127.7	163.0	167.7	166.4	168.8	170.4
EL	133.7	158.4	193.0	203.8	193.8	180.0	168.5
ES	633.3	774.5	909.3	951.0	948.0	951.9	938.4
FR	1 387.6	1 586.6	1 718.0	1 742.6	1 771.6	1 801.6	1 800.7
IT	1 244.5	1 367.8	1 436.4	1 394.3	1 418.4	1 423.7	1 389.9
CY	9.6	11.6	13.6	15.1	15.3	15.4	15.0
LV	6.7	8.7	12.9	12.5	12.4	13.1	13.8
LT	11.5	14.4	21.0	21.8	22.1	23.4	24.2
LU	18.9	25.4	30.3	32.2	33.2	33.7	33.8
HU	62.6	72.4	88.8	86.8	88.0	89.4	87.9
MT	3.7	4.6	4.9	5.3	5.5	5.6	5.6
NL	394.3	480.8	513.4	541.0	549.8	555.3	550.0
AT	193.2	225.7	245.2	257.3	262.6	269.7	271.8
PL	161.3	210.0	244.4	296.2	307.7	321.6	327.6
PT	120.3	148.0	154.3	155.5	158.5	156.1	151.1
RO	61.6	60.4	79.8	91.8	90.7	92.7	93.3
SI	19.4	24.1	28.7	31.0	31.4	31.6	30.8
SK	25.6	30.3	38.5	46.3	48.4	49.9	50.9
FI	109.4	138.3	157.4	158.8	164.1	168.7	168.3
SE	219.8	261.3	298.4	303.5	323.3	335.3	338.2
UK	1 348.8	1 595.8	1 846.6	1 867.2	1 900.8	1 919.6	1 924.9

* Units in Milliard – Long Scale = 1 000 Millions Euro

Source: DG Economic and Financial Affairs, AMECO, 10990 OVGD, June 2013

Methodology and Notes: See Annex 13 – No 3

GDP per Capita at 2005 Market Prices

Thousand EUR/cap*	1995	2000	2005	2009	2010	2011	2012
EU-27	18.23	20.85	22.51	22.67	23.07	23.37	23.24
BE	24.02	27.36	28.97	29.16	29.61	29.88	29.61
BG	2.10	2.18	3.01	3.49	3.53	3.68	3.73
CZ	7.57	8.34	10.22	11.11	11.36	11.60	11.43
DK	32.36	36.50	38.27	36.92	37.34	37.59	37.28
DE	24.11	26.27	26.97	27.90	29.10	29.98	30.13
EE	3.95	5.77	8.30	8.13	8.40	9.10	9.40
IE	21.74	33.57	39.19	36.95	36.50	36.88	37.09
EL	12.57	14.51	17.39	18.07	17.14	15.93	14.93
ES	16.08	19.23	20.95	20.71	20.58	20.64	20.33
FR	23.37	26.13	27.29	27.03	27.33	27.64	27.49
IT	21.89	24.02	24.51	23.16	23.45	23.45	22.84
CY	14.81	16.72	18.41	18.72	18.48	18.11	17.21
LV	2.68	3.68	5.77	5.85	5.92	6.37	6.80
LT	3.16	4.12	6.33	6.89	7.14	7.71	8.10
LU	46.06	58.12	65.00	64.71	65.37	64.93	63.65
HU	6.06	7.09	8.80	8.66	8.80	8.97	8.84
MT	9.81	11.87	12.22	12.87	13.17	13.30	13.42
NL	25.51	30.20	31.47	32.74	33.10	33.26	32.83
AT	24.31	28.17	29.82	30.77	31.31	32.03	32.14
PL	4.22	5.49	6.40	7.76	7.99	8.35	8.50
PT	11.99	14.48	14.62	14.63	14.90	14.65	14.25
RO	2.72	2.69	3.69	4.28	4.23	4.34	4.37
SI	9.78	12.09	14.36	15.18	15.31	15.38	14.99
SK	4.78	5.61	7.14	8.55	8.90	9.17	9.42
FI	21.41	26.71	30.01	29.75	30.60	31.31	31.09
SE	24.90	29.45	33.04	32.63	34.48	35.49	35.53
UK	23.25	27.10	30.66	30.22	30.53	30.60	30.44

* 1 000 € 2005 per Capita

Source: DG Economic and Financial Affairs, AMECO, 10990 RVGDP, June 2013

Methodology and Notes: See Annex 13 – No 3

Demography

Population

On 1st January

Thousand Inhab.	1995	2000	2005	2009	2010*	2011*	2012*
EU-27	477 010	482 377	491 135	499 687	501 085	502 369	503 664
BE	10 131	10 239	10 446	10 753	10 840	11 001	11 095
BG	8 427	8 191	7 761	7 607	7 564	7 369	7 327
CZ	10 333	10 278	10 221	10 468	10 507	10 487	10 505
DK	5 216	5 330	5 411	5 511	5 535	5 561	5 581
DE	81 539	82 163	82 501	82 002	81 802	81 752	81 844
EE	1 448	1 372	1 348	1 340	1 340	1 340	1 340
IE	3 598	3 778	4 112	4 450	4 468	4 571	4 583
EL	10 595	10 904	11 083	11 260	11 305	11 310	11 290
ES	39 343	40 050	43 038	45 828	45 989	46 153	46 196
FR	57 753	58 858	60 963	62 466	62 765	63 089	63 409
IT	56 844	56 924	58 462	60 045	60 340	60 626	60 821
CY	645	690	749	797	819	840	862
LV	2 501	2 382	2 306	2 261	2 248	2 075	2 042
LT	3 643	3 512	3 425	3 350	3 329	3 053	3 008
LU	406	434	461	494	502	512	525
HU	10 337	10 222	10 098	10 031	10 014	9 986	9 958
MT	369	380	403	414	414	416	418
NL	15 424	15 864	16 306	16 486	16 575	16 656	16 730
AT	7 943	8 002	8 201	8 355	8 375	8 404	8 443
PL	38 581	38 263	38 174	38 136	38 167	38 530	38 538
PT	10 018	10 195	10 529	10 627	10 638	10 572	10 542
RO	22 712	22 455	21 659	21 499	21 462	21 414	21 356
SI	1 989	1 988	1 998	2 032	2 047	2 050	2 055
SK	5 356	5 399	5 385	5 412	5 425	5 392	5 404
FI	5 099	5 171	5 237	5 326	5 351	5 375	5 401
SE	8 816	8 861	9 011	9 256	9 341	9 416	9 483
UK	57 943	58 785	60 039	61 595	62 027	62 515	62 990

* Preliminary Data

Source: Eurostat, demo_pjan, June 2013

Methodology and Notes: See Annex 13 – No 3

PART 4

Environment Indicators

in the EU



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Gases Emissions

GHGs Emissions

EU-27 Total

Million ton CO ₂ or equiv.	1995	2000	2005	2009	2010
EU-27	5 412	5 330	5 448	4 903	5 006
Index 1995	100%	98%	101%	91%	93%
BE	166.4	166.9	172.1	151.8	157.7
BG	83.6	63.3	67.3	60.1	62.3
CZ	150.9	146.4	147.4	135.8	140.2
DK	83.0	74.7	68.7	64.5	65.6
DE	1 139.4	1 065.8	1 028.6	945.7	970.3
EE	20.5	17.6	19.1	17.2	21.3
IE	60.3	70.4	72.2	64.3	64.1
EL	124.6	141.8	147.7	136.1	129.3
ES	331.9	410.5	473.1	406.9	396.0
FR	573.1	588.6	591.6	538.7	546.4
IT	541.7	563.9	590.9	507.9	517.9
CY	11.0	11.6	12.9	12.6	12.3
LV	13.2	10.3	12.3	12.2	13.3
LT	22.5	19.7	23.5	20.5	21.4
LU	10.7	10.6	14.3	12.8	13.4
HU	79.4	77.9	80.2	67.6	68.4
MT	3.3	4.2	7.1	7.4	6.7
NL	266.5	265.8	276.1	255.2	263.6
AT	81.2	82.2	94.9	81.7	86.7
PL	433.8	386.5	390.9	384.0	403.2
PT	73.2	86.0	90.4	78.6	74.9
RO	182.4	141.5	149.4	124.0	122.0
SI	18.5	18.9	20.5	19.7	19.7
SK	53.3	49.4	51.3	44.3	46.1
FI	72.8	72.4	71.6	68.5	76.9
SE	79.4	75.8	76.1	69.1	75.1
UK	734.8	707.3	697.6	616.0	631.1

GHGs Emissions

Fuel Combustion

Million ton CO ₂ or equiv.	2010							
	Fuel Combustion	Energy Industries	Manufacturing Industries and Construction	Transport	Commercial/Institutional	Residential	Agriculture/Forestry/Fisheries	Other Combustion and Fugitive Emissions
EU-27	3 763	1 425	585	931	181	476	79	86
Share (%)	75.2%	28.5%	11.7%	18.6%	3.6%	9.5%	1.6%	1.7%
BE	107.6	26.4	23.7	24.3	6.9	23.4	2.3	0.6
BG	46.4	31.5	3.8	7.9	0.3	1.2	0.5	1.2
CZ	115.2	56.3	23.8	17.4	3.6	8.5	0.3	5.4
DK	48.8	23.9	4.5	13.2	1.1	3.2	2.2	0.6
DE	782.3	354.5	115.0	154.7	36.6	103.1	6.3	12.1
EE	18.2	14.6	0.5	2.3	0.1	0.3	0.2	0.1
IE	40.5	13.3	4.5	11.6	2.3	7.8	0.8	0.0
EL	93.2	52.2	6.8	23.0	1.1	6.8	1.9	1.4
ES	269.8	72.4	63.4	91.4	8.7	20.0	10.5	3.3
FR	370.0	61.6	68.4	132.2	31.1	61.4	10.7	4.7
IT	415.7	133.3	61.4	118.8	31.5	54.6	8.1	8.1
CY	7.5	3.9	0.7	2.3	0.1	0.4	0.1	0.0
LV	8.4	2.3	1.1	3.2	0.6	0.8	0.4	0.1
LT	12.8	5.4	1.1	4.6	0.4	0.9	0.1	0.3
LU	10.6	1.3	1.4	6.3	0.5	1.1	0.1	0.0
HU	49.1	16.7	3.9	11.9	4.1	9.1	1.1	2.4
MT	2.7	1.9	0.0	0.6	0.1	0.0	0.0	0.0
NL	177.8	66.6	27.3	35.0	13.3	21.2	11.3	3.1
AT	64.3	14.3	15.6	22.5	2.3	8.1	0.9	0.6
PL	327.1	173.5	31.0	48.8	10.9	40.5	10.5	11.9
PT	49.7	14.6	9.5	18.9	1.3	2.7	1.2	1.4
RO	86.0	33.4	18.6	15.1	2.4	6.9	0.9	8.8
SI	16.0	6.2	1.9	5.3	0.7	1.3	0.2	0.4
SK	32.0	9.5	9.3	6.7	0.8	3.7	0.1	2.0
FI	60.6	30.5	9.9	13.6	1.1	2.2	1.8	1.5
SE	49.4	13.1	10.1	20.7	0.7	1.6	1.9	1.2
UK	501.1	192.2	67.5	118.5	18.5	85.2	4.6	14.6

GHGs Emissions

Other Than Fuel Combustion

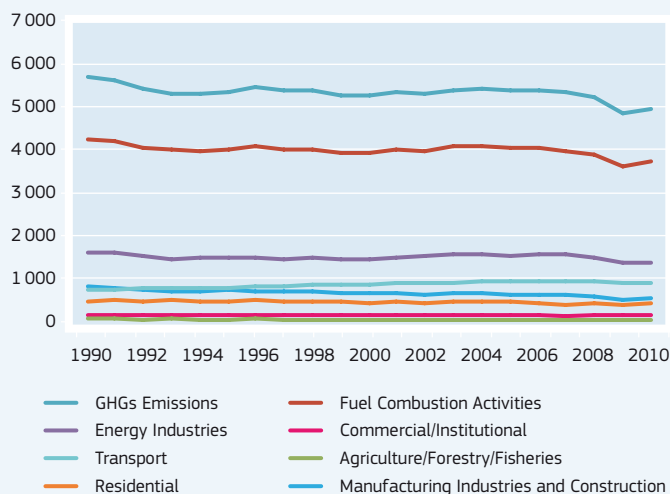
Million ton CO ₂ or equiv.	2010				
	Industrial Processes and Solvent Use	Agriculture	Waste and Other	International Aviation	International Maritime Transport
EU-27	355	462	142	133	152
Share (%)	7.1%	9.2%	2.8%	2.7%	3.0%
BE	13.7	10.0	1.1	4.2	21.0
BG	3.9	6.4	4.7	0.5	0.4
CZ	12.6	7.8	3.6	1.0	
DK	1.8	9.5	1.0	2.4	2.1
DE	74.5	67.5	12.2	24.8	9.0
EE	0.5	1.3	0.5	0.1	0.7
IE	2.0	17.9	0.9	2.3	0.4
EL	10.9	9.3	4.9	2.1	8.9
ES	31.0	40.0	15.1	13.2	26.9
FR	38.7	93.9	19.7	16.1	7.9
IT	33.6	33.7	18.2	9.5	7.1
CY	0.8	0.7	1.9	0.9	0.6
LV	0.7	2.3	0.7	0.4	0.8
LT	2.3	4.5	1.2	0.1	0.5
LU	0.7	0.7	0.1	1.3	0.0
HU	6.7	8.3	3.7	0.7	
MT	0.1	0.1	0.2	0.3	3.4
NL	10.6	16.6	5.0	10.2	43.4
AT	11.0	7.5	1.8	2.1	0.0
PL	30.5	34.6	8.6	1.6	0.8
PT	6.0	7.5	7.4	2.6	1.6
RO	12.9	16.8	5.7	0.5	0.1
SI	1.0	2.0	0.6	0.1	0.1
SK	8.7	3.1	2.2	0.1	0.0
FI	5.8	5.9	2.2	1.7	0.7
SE	7.2	7.9	1.8	2.1	6.8
UK	26.7	45.9	16.5	31.9	9.0

GHGs Emissions

EU-27 Total, EU-27 Fuel Combustion

Million ton CO ₂ or equiv.	GHGs Emissions	Fuel Combustion Activities	Energy Industries	Manufacturing Industries and Construction	Transport	Commercial/Institutional	Residential	Agriculture/Forestry/Fisheries
1990	5 766	4 304	1 670	861	775	201	520	96
1991	5 667	4 272	1 649	815	784	209	554	94
1992	5 471	4 110	1 570	768	805	196	524	89
1993	5 378	4 043	1 508	751	812	188	538	92
1994	5 352	4 000	1 516	746	819	175	505	91
1995	5 412	4 040	1 515	765	834	182	505	91
1996	5 532	4 149	1 547	755	859	198	552	93
1997	5 453	4 056	1 498	754	872	184	518	90
1998	5 423	4 046	1 515	724	899	183	507	87
1999	5 314	3 982	1 474	702	918	182	494	87
2000	5 330	3 986	1 503	710	912	176	479	85
2001	5 387	4 068	1 541	692	926	193	513	86
2002	5 343	4 035	1 560	672	937	182	486	84
2003	5 437	4 121	1 612	685	946	184	501	83
2004	5 461	4 119	1 599	687	965	187	493	83
2005	5 448	4 093	1 587	682	964	183	491	83
2006	5 447	4 085	1 597	680	971	181	478	80
2007	5 401	4 022	1 606	673	980	167	426	76
2008	5 295	3 943	1 529	644	962	178	460	79
2009	4 903	3 661	1 403	544	935	173	441	78
2010	5 006	3 763	1 425	585	931	181	476	79

GHGs Emissions EU-27 Total, EU-27 Fuel Combustion (Million ton CO₂ or equiv.)

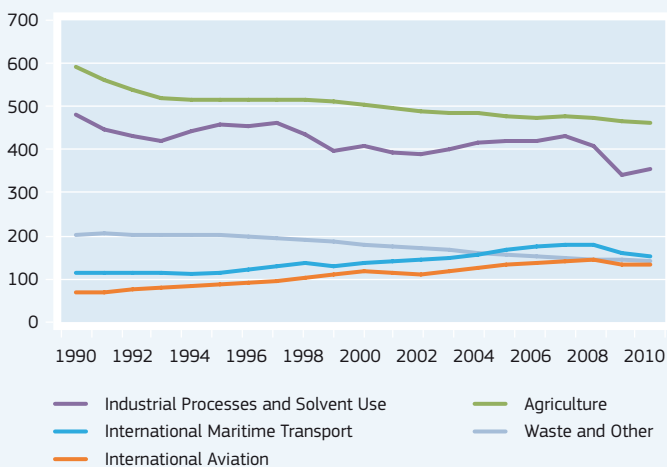


GHGs Emissions

EU-27, Other Than Fuel Combustion

Million ton CO ₂ or equiv.	Industrial Processes and Solvent Use	Agriculture	Waste and Other	International Aviation	International Maritime Transport
1990	482	594	203	70	113
1991	446	562	206	69	113
1992	431	538	204	74	113
1993	418	520	202	79	115
1994	442	515	202	82	112
1995	457	515	201	87	112
1996	456	517	199	91	120
1997	462	516	194	95	130
1998	434	515	190	102	136
1999	397	512	185	110	129
2000	408	504	180	116	135
2001	394	495	174	115	141
2002	389	490	171	112	145
2003	401	484	166	117	148
2004	415	484	160	125	157
2005	420	479	156	132	167
2006	419	475	154	138	176
2007	432	476	149	143	179
2008	409	475	147	143	177
2009	341	464	143	133	160
2010	355	462	142	133	152

GHGs Emissions EU-27 Other Than Fuel Combustion – (Million ton CO₂ or equiv.)



Source: EEA, UNFCCC v_13, April 2013
Methodology and Notes: See Appendix 13 – No 4

CO₂ Emissions

EU-27 Total

Million ton CO ₂	1995	2000	2005	2009	2010
EU-27	4 345	4 366	4 551	4 063	4 174
Index 1995	100%	100%	105%	94%	96%
BE	139.9	145.6	153.8	135.2	140.3
BG	63.9	48.1	52.8	46.7	48.8
CZ	128.7	126.5	128.1	116.9	120.9
DK	67.7	60.2	55.9	52.2	53.3
DE	952.8	918.1	897.0	817.8	852.4
EE	18.3	15.5	17.0	15.0	19.0
IE	36.7	46.9	50.5	44.2	44.0
EL	100.7	117.1	124.9	115.4	108.2
ES	271.0	336.0	404.0	337.5	324.2
FR	410.6	434.5	446.9	398.5	406.3
IT	454.9	474.7	504.2	431.7	442.5
CY	7.1	8.6	9.7	9.9	9.5
LV	9.6	7.2	8.8	8.6	9.6
LT	15.9	12.4	14.8	13.5	14.5
LU	9.7	9.6	13.3	11.8	12.4
HU	62.2	59.4	61.4	51.3	52.1
MT	3.0	3.9	6.7	6.9	6.3
NL	213.7	222.4	240.9	226.0	234.6
AT	65.3	67.7	81.7	69.2	74.4
PL	360.6	317.8	319.8	314.4	334.4
PT	56.1	68.3	72.4	60.9	56.8
RO	135.9	101.4	108.9	89.1	87.8
SI	15.1	15.3	16.8	16.2	16.3
SK	45.0	41.4	42.8	36.2	38.2
FI	59.8	59.9	59.4	57.5	66.0
SE	63.8	60.8	61.9	56.0	61.7
UK	577.3	586.5	596.8	524.7	539.6

Source: EEA, UNFCCC v_13, April 2013
Methodology and Notes: See Appendix 13 – No 4

CO₂ Emissions

Fuel Combustion

Million ton CO ₂	2010							
	Fuel Combustion	Energy Industries	Manufacturing Industries and Construction	Transport	Commercial/ Institutional	Residential	Agriculture/ Forestry/ Fisheries	Other Combustion and Fugitive Emissions
EU-27	3 652	1 412	577	919	179	461	75	29
Share (%)	87.5%	33.8%	13.8%	22.0%	4.3%	11.0%	1.8%	0.7%
BE	106.2	26.2	23.5	24.0	6.9	23.2	2.2	0.2
BG	44.7	31.3	3.8	7.9	0.3	0.9	0.5	0.0
CZ	109.5	56.0	23.6	16.7	3.6	7.9	0.2	1.4
DK	47.9	23.6	4.4	13.1	1.1	3.1	2.2	0.5
DE	763.7	349.1	114.1	153.3	36.4	101.9	6.2	2.7
EE	17.9	14.6	0.5	2.2	0.1	0.2	0.2	0.0
IE	39.9	13.2	4.5	11.5	2.3	7.6	0.8	
EL	90.9	52.0	6.7	22.6	1.1	6.7	1.7	0.0
ES	264.8	71.7	62.3	90.4	8.6	19.1	10.4	2.2
FR	362.5	60.8	67.5	130.6	30.7	58.9	10.6	3.4
IT	404.0	132.6	60.0	117.4	31.0	52.8	7.3	2.9
CY	7.5	3.9	0.7	2.3	0.1	0.4	0.1	0.0
LV	7.9	2.2	1.1	3.2	0.5	0.5	0.4	0.0
LT	12.3	5.4	1.1	4.5	0.4	0.7	0.1	0.0
LU	10.5	1.3	1.4	6.2	0.5	1.0	0.1	0.0
HU	46.1	16.6	3.9	11.5	4.1	8.8	1.1	0.2
MT	2.6	1.9	0.0	0.6	0.1	0.0	0.0	
NL	174.6	66.2	27.2	34.5	13.2	20.8	10.3	2.3
AT	63.1	14.2	15.5	22.2	2.3	7.8	0.9	0.3
PL	309.9	172.6	30.7	48.0	10.8	37.7	9.9	0.2
PT	48.2	14.5	9.3	18.7	1.3	2.5	1.1	0.8
RO	76.2	33.2	18.5	14.5	2.4	5.8	0.9	0.9
SI	15.4	6.2	1.9	5.2	0.6	1.2	0.2	0.1
SK	30.6	9.5	9.3	6.6	0.8	3.5	0.1	0.9
FI	59.2	30.2	9.8	13.4	1.1	1.9	1.8	1.2
SE	47.2	12.5	9.6	20.5	0.7	1.2	1.7	1.1
UK	488.7	190.5	66.2	117.2	18.4	84.6	4.1	7.5

CO₂ Emissions

Other Than Fuel Combustion

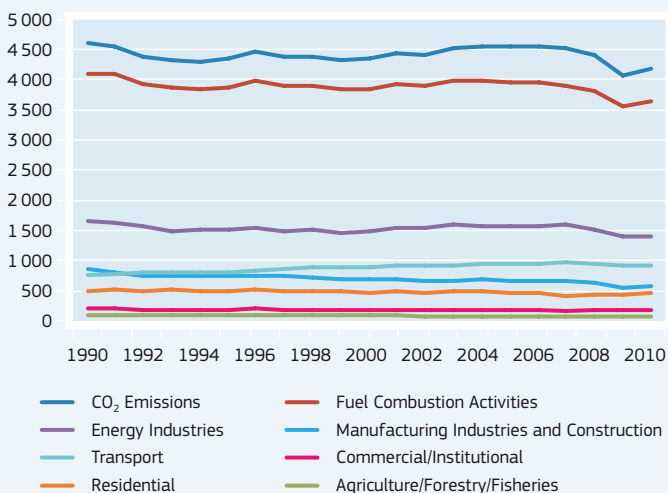
Million ton CO ₂	2010			
	Industrial Processes and Solvent Use	Waste and Other	International Aviation	International Maritime Transport
EU-27	237	3	132	151
Share (%)	5.7%	0.1%	3.2%	3.6%
BE	8.9	0.1	4.2	21.0
BG	3.3	0.0	0.5	0.3
CZ	10.2	0.2	1.0	
DK	0.9	0.0	2.4	2.1
DE	55.2		24.6	8.9
EE	0.4		0.1	0.7
IE	1.4		2.3	0.4
EL	6.6	0.0	2.1	8.6
ES	19.7	0.0	13.1	26.7
FR	18.5	1.4	15.9	7.9
IT	21.8	0.2	9.4	7.0
CY	0.6		0.9	0.6
LV	0.6	0.0	0.4	0.8
LT	1.6	0.0	0.1	0.5
LU	0.6		1.3	0.0
HU	5.2	0.1	0.7	
MT	0.0	0.0	0.3	3.3
NL	6.6		10.2	43.2
AT	9.2	0.0	2.0	0.0
PL	22.0	0.2	1.6	0.8
PT	4.4	0.0	2.6	1.6
RO	11.0	0.0	0.5	0.1
SI	0.7	0.0	0.1	0.1
SK	7.3	0.0	0.1	0.0
FI	4.4		1.7	0.7
SE	5.5	0.1	2.1	6.7
UK	10.2	0.3	31.6	8.9

CO₂ Emissions

EU-27 Total, EU-27 Fuel Combustion

Million ton CO ₂	CO ₂ Emissions	Fuel Combustion Activities	Energy Industries	Manufacturing Industries and Construction	Transport	Commercial/Institutional	Residential	Agriculture/Forestry/Fisheries
1990	4 601	4 114	1 658	852	762	199	502	92
1991	4 545	4 090	1 637	806	770	207	535	90
1992	4 385	3 936	1 558	759	792	194	506	86
1993	4 315	3 870	1 497	742	797	186	520	88
1994	4 293	3 834	1 504	738	803	174	488	87
1995	4 345	3 873	1 504	756	816	180	488	88
1996	4 458	3 983	1 535	746	841	197	535	89
1997	4 390	3 894	1 487	745	853	182	502	87
1998	4 396	3 892	1 504	715	880	182	492	84
1999	4 329	3 832	1 462	693	899	181	479	84
2000	4 366	3 844	1 491	702	897	175	465	81
2001	4 443	3 929	1 530	683	911	192	499	82
2002	4 415	3 900	1 548	664	923	180	473	80
2003	4 521	3 989	1 599	676	932	182	487	80
2004	4 553	3 992	1 586	678	951	186	479	80
2005	4 551	3 970	1 574	673	951	182	478	80
2006	4 566	3 965	1 583	671	958	180	465	77
2007	4 523	3 907	1 592	664	967	165	412	73
2008	4 426	3 828	1 515	636	949	176	445	75
2009	4 063	3 552	1 390	536	924	172	427	73
2010	4 174	3 652	1 412	577	919	179	461	75

CO₂ Emissions EU-27 Total, EU-27 Fuel Combustion (Million ton CO₂)



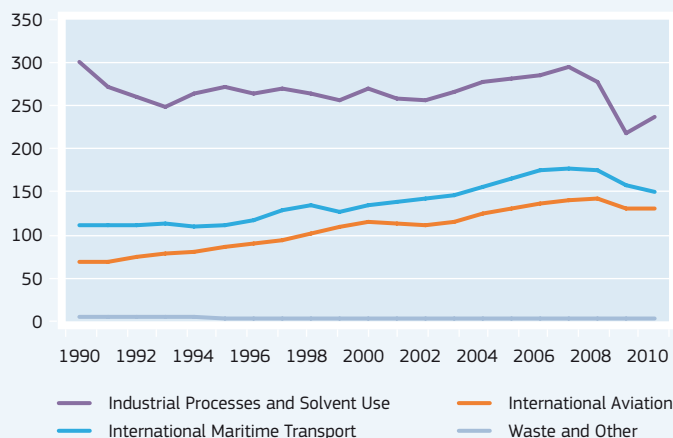
Source: EEA, UNFCCC v_13, April 2013
Methodology and Notes: See Appendix 13 – No 4

CO₂ Emissions

EU-27 Other Than Fuel Combustion

Million ton CO ₂	Industrial Processes and Solvent Use	Waste and Other	International Aviation	International Maritime Transport
1990	301	5	69	112
1991	271	5	68	111
1992	259	5	74	112
1993	249	5	78	113
1994	263	4	81	110
1995	272	4	86	110
1996	264	4	90	118
1997	270	3	94	129
1998	265	3	101	134
1999	257	3	109	127
2000	269	3	115	134
2001	258	3	114	139
2002	257	3	111	143
2003	267	3	115	147
2004	278	3	124	156
2005	282	3	131	165
2006	286	3	137	175
2007	294	3	141	178
2008	277	3	142	176
2009	218	3	132	159
2010	237	3	132	151

CO₂ Emissions EU-27 Other Than Fuel Combustion (Million ton CO₂)



Source: EEA, UNFCCC v_13, April 2013
Methodology and Notes: See Appendix 13 – No 4

Main Emissions Indicators

CO₂ per Capita

kg CO ₂ /cap	1995	2000	2005	2009	2010
EU-27	9 079	9 039	9 252	8 125	8 317
Index 1995	100%	100%	102%	89%	92%
BE	13 804.2	14 214.9	14 680.0	12 527.3	12 889.1
BG	7 603.0	5 884.6	6 842.7	6 161.1	6 482.0
CZ	12 461.4	12 316.7	12 514.7	11 143.3	11 491.6
DK	12 954.0	11 274.5	10 321.9	9 447.8	9 606.9
DE	11 667.4	11 171.1	10 877.6	9 989.0	10 426.0
EE	12 629.4	11 329.4	12 586.0	11 186.8	14 198.4
IE	10 182.2	12 332.4	12 140.7	9 736.0	9 652.5
EL	9 465.8	10 722.9	11 245.7	10 226.4	9 569.2
ES	6 881.4	8 343.7	9 310.1	7 347.4	7 036.0
FR	6 914.6	7 155.2	7 097.7	6 181.3	6 267.5
IT	8 001.8	8 336.2	8 602.9	7 171.3	7 316.6
CY	10 943.7	12 379.5	13 110.0	12 225.0	11 443.2
LV	3 859.8	3 030.3	3 922.8	4 001.2	4 594.7
LT	4 372.8	3 555.0	4 467.3	4 271.0	4 669.9
LU	23 686.0	21 910.8	28 465.4	23 641.6	24 350.5
HU	6 022.4	5 813.1	6 083.5	5 116.5	5 207.3
MT	8 035.1	10 064.6	16 718.2	16 720.1	15 101.2
NL	13 823.7	13 966.0	14 765.4	13 672.6	14 122.0
AT	8 214.5	8 448.8	9 938.7	8 268.5	8 866.6
PL	9 420.5	8 307.2	8 380.6	8 242.0	8 682.8
PT	5 597.8	6 678.8	6 859.3	5 729.0	5 343.9
RO	5 994.1	4 519.2	5 034.0	4 148.7	4 095.7
SI	7 584.7	7 687.6	8 405.1	7 949.1	7 933.8
SK	8 386.9	7 667.9	7 935.7	6 677.1	7 028.0
FI	11 716.0	11 577.6	11 327.9	10 778.4	12 305.5
SE	7 226.9	6 856.3	6 850.2	6 017.1	6 574.6
UK	9 949.6	9 960.0	9 907.6	8 491.3	8 666.2

Carbon GDP Intensity

ton CO ₂ /M€'05	1995	2000	2005	2009	2010
EU-27	498	433	411	358	360
Index 1995	100%	87%	83%	72%	72%
BE	574.6	519.5	506.7	429.5	435.2
BG	3 629.0	2 699.1	2 271.1	1 765.7	1 838.1
CZ	1 646.9	1 477.6	1 224.1	1 003.0	1 011.6
DK	400.3	308.9	269.7	255.9	257.3
DE	483.9	425.2	403.3	358.0	358.2
EE	3 194.7	1 964.1	1 516.7	1 375.8	1 689.5
IE	468.3	367.4	309.8	263.5	264.5
EL	753.0	739.2	646.8	566.0	558.4
ES	428.0	433.8	444.3	354.8	342.0
FR	295.9	273.9	260.1	228.7	229.3
IT	365.5	347.0	351.0	309.6	312.0
CY	738.8	740.2	712.0	652.9	619.3
LV	1 439.8	824.0	679.3	683.8	776.2
LT	1 383.2	863.2	706.2	619.8	654.5
LU	514.2	377.0	437.9	365.4	372.5
HU	993.7	820.1	691.3	590.5	591.8
MT	819.2	848.1	1 367.7	1 299.6	1 146.9
NL	542.0	462.5	469.3	417.7	426.7
AT	337.9	300.0	333.3	268.7	283.2
PL	2 234.9	1 513.6	1 308.6	1 061.5	1 086.8
PT	466.9	461.3	469.1	391.6	358.5
RO	2 186.3	1 677.7	1 364.1	970.4	967.4
SI	775.6	635.9	585.3	523.7	518.1
SK	1 755.2	1 367.0	1 110.7	780.9	789.2
FI	547.3	433.4	377.5	362.3	402.2
SE	290.3	232.8	207.3	184.4	190.7
UK	428.0	367.5	323.2	281.0	283.9

PART 5

Country Profiles



Summary

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European Union 27

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	957.7	942.9	899.5	819.3	837.5	807.2
Solid Fuels	279.8	214.6	196.0	166.1	163.8	167.4
of which Hard Coal	174.8	120.7	100.1	74.7	73.7	72.5
Petroleum and Products	172.6	173.5	134.2	109.9	102.7	89.5
of which Crude and NGL	170.4	170.6	129.5	101.8	94.4	81.9
Gases	189.8	208.1	188.8	153.2	156.4	140.3
of which Natural Gas	189.4	207.9	188.7	153.2	156.3	140.3
Nuclear	227.3	243.8	257.5	230.8	236.6	234.0
Renewables	82.6	96.4	115.8	148.7	166.9	162.3
Waste, Non-Renewable	5.7	6.5	7.2	10.6	11.2	13.6
Net Imports	736.0	825.1	983.2	941.0	951.8	939.7
Solid Fuels	78.2	97.8	124.4	110.1	110.3	118.1
of which Hard Coal	76.5	93.8	122.0	110.5	109.7	118.5
Petroleum and Products	510.7	532.8	600.3	557.6	560.4	548.5
of which Crude and NGL	471.9	501.5	566.9	522.0	525.2	517.6
Gases	145.3	192.5	257.3	267.9	275.7	266.3
of which Natural Gas	145.3	192.5	257.3	267.9	275.7	266.3
Renewables	0.3	0.3	0.2	4.1	5.2	6.7
Electricity	1.5	1.7	1.0	1.3	0.3	0.0
Gross Inland Consumption	1 668.7	1 724.9	1 824.8	1 702.1	1 759.4	1 697.7
Solid Fuels	364.8	320.8	317.2	267.8	279.6	285.5
of which Hard Coal	257.6	221.1	219.5	176.9	188.6	190.9
Petroleum and Products	652.3	661.4	680.0	622.0	617.5	597.9
of which Crude and NGL	644.5	673.9	696.3	625.5	620.2	604.4
Gases	334.1	393.9	446.0	416.9	442.0	397.6
of which Natural Gas	333.7	393.7	445.9	416.9	441.9	397.5
Nuclear	227.3	243.8	257.5	230.8	236.6	234.0
Renewables	82.9	96.8	115.9	152.7	172.3	169.0
Waste, Non-Renewable	5.7	6.5	7.2	10.6	11.2	13.7
Electricity	1.5	1.7	1.0	1.3	0.3	0.0
Primary Energy Intensity	1 557.9	1 606.7	1 702.8	1 592.4	1 644.6	1 583.0
Final Non-Energy Consumption	110.7	118.2	122.0	109.6	114.8	114.6
Final Energy Consumption	1 072.2	1 121.5	1 191.9	1 110.1	1 152.5	1 103.3
by Fuel/Product						
Solid Fuels	82.4	61.7	54.3	43.1	49.6	48.8
Petroleum and Products	460.5	483.5	499.8	461.9	457.1	444.6
Gases	246.1	266.2	284.5	252.5	268.8	241.1
Solar	0.3	0.4	0.7	1.3	1.5	1.7
Biomass and Renewable Waste	42.2	46.9	53.0	67.9	75.8	74.1
Geothermal	0.6	0.6	0.6	0.9	0.9	1.0
Waste, Non-Renewable	1.5	1.3	1.5	2.7	2.9	5.2
Electricity	193.4	216.6	238.2	232.0	242.7	238.0
Derived heat	45.1	44.4	59.3	47.9	53.3	48.9
by Sector						
Industry	329.6	330.1	331.8	266.8	289.6	287.1
Transport	302.8	340.9	366.4	366.4	365.1	364.1
Households	281.7	292.3	303.1	294.3	307.8	272.7
Services	114.0	115.6	136.0	143.3	152.1	140.5
Agriculture	31.0	28.1	27.6	24.9	25.1	23.6
Fishing	1.0	1.0	1.1	1.0	0.9	0.9
Other	12.1	13.4	26.0	13.5	11.9	14.3

Methodology, Sources and Notes: See Appendix 13 – No 5

European Union 27

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	352.6	400.9	433.3	464.4	478.2	487.7
Nuclear	128.4	133.8	135.0	132.5	131.7	132.1
Hydro	125.6	136.4	139.0	143.8	145.2	146.8
Gross Electricity Generation – TWh	2 734.0	3 025.2	3 310.6	3 203.5	3 346.2	3 279.6
by Fuel						
Solid Fuels	945.7	932.1	967.6	819.6	828.6	848.7
Petroleum and Products	227.9	179.6	139.5	96.5	86.2	73.6
Gases	293.2	511.3	696.4	751.5	790.9	726.5
Nuclear	880.8	945.0	997.7	894.0	916.6	906.8
Renewables	376.7	442.9	488.1	619.7	700.6	699.5
by Type						
Main Activity Electricity Only	2 157.5	2 468.6	2 566.2	2 488.3	2 586.4	2 529.2
Main Activity CHP Plants	332.1	350.2	494.4	472.8	495.3	480.2
Autoproducer Electricity Only	135.5	82.0	63.6	62.1	72.2	72.6
Autoproducer CHP Plants	108.7	124.0	186.5	180.3	192.9	197.4
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			98.1	100.6	104.9	105.3
CHP Electricity Generation – TWh			365.7	366.6	392.6	375.5
CHP in Total Electricity Generation – %			11.1%	11.4%	11.7%	11.2%
CHP Heat Production – PJ			3 112.4	2 849.5	3 023.5	2 979.1
Transport Fuels – ktoe						
Final Consumption Petroleum Products	296 260	333 188	355 364	346 516	343 509	341 689
Motor Gasoline	135 675	131 468	114 519	97 866	92 451	88 704
Gas/Diesel Oil	121 945	151 729	184 416	191 202	194 295	194 876
Final Consumption Biofuels	211	700	3 112	11 915	13 307	13 958
Biogasoline	24	58	559	2 308	2 834	2 892
Biodiesel	146	402	1 374	9 105	9 937	10 644
Main Energy Indicators						
Energy Intensity – toe/M€'05	191	171	165	150	152	144
Energy per Capita – kgoe/cap	3 486	3 571	3 710	3 403	3 506	3 375
Final Electricity p/cap – kWh/cap	4 700	5 215	5 631	5 395	5 624	5 502
Primary Efficiency – toe/M€'05	178	160	154	140	142	135
Import Dependency – %	43.2%	46.7%	52.4%	53.8%	52.6%	53.8%
of Solid Fuels	21.4%	30.5%	39.2%	41.1%	39.4%	41.4%
of Hard Coal	29.7%	42.4%	55.6%	62.5%	58.2%	62.1%
of Petroleum Fuels	74.3%	75.7%	82.2%	83.2%	84.1%	84.9%
of Crude and NGL	73.2%	74.4%	81.4%	83.5%	84.7%	85.6%
of Natural Gas	43.5%	48.9%	57.7%	64.3%	62.4%	67.0%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				11.9%	12.7%	13.0%
RES-H&C – Heating and Cooling				13.6%	14.3%	15.1%
RES-E – Electricity Generation				18.8%	19.6%	21.7%
RE-T – Transport				4.2%	4.7%	3.8%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	4 345	4 366	4 551	4 063	4 174	
GHGs Emissions	5 412	5 330	5 448	4 903	5 006	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	9 079	9 039	9 252	8 125	8 317	
Carbon Intensity – kg CO ₂ /toe	2 604	2 531	2 494	2 387	2 372	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	498	433	411	358	360	

Methodology, Sources and Notes: See Appendix 13 – No 5

Belgium

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	11.8	13.6	13.7	15.6	16.4	18.3
Solid Fuels	0.3	0.2	0.1			
of which Hard Coal	0.3	0.2	0.1			
Petroleum and Products				1.1	1.3	0.7
of which Crude and NGL						
Gases	0.0	0.0				
of which Natural Gas	0.0	0.0				
Nuclear	10.7	12.4	12.3	12.2	12.4	12.4
Renewables	0.4	0.5	0.9	1.7	2.0	2.5
Waste, Non-Renewable	0.4	0.4	0.5	0.7	0.8	2.7
Net Imports	46.9	50.4	53.4	48.4	53.1	48.4
Solid Fuels	9.4	7.2	5.1	2.5	3.1	2.9
of which Hard Coal	8.9	6.6	5.0	2.6	3.3	3.0
Petroleum and Products	26.7	29.5	32.6	30.5	32.6	29.7
of which Crude and NGL	26.5	34.1	31.8	31.2	33.3	29.9
Gases	10.4	13.3	14.8	15.0	16.8	15.2
of which Natural Gas	10.4	13.3	14.8	15.0	16.8	15.2
Renewables	0.1	0.1	0.3	0.6	0.6	0.4
Electricity	0.4	0.4	0.5	-0.2	0.0	0.2
Gross Inland Consumption	54.1	59.2	59.0	58.1	61.5	59.7
Solid Fuels	8.7	7.9	5.0	3.0	3.2	2.9
of which Hard Coal	8.2	7.3	4.9	3.1	3.2	2.9
Petroleum and Products	22.9	24.1	24.8	25.0	25.6	23.3
of which Crude and NGL	26.5	34.0	32.0	31.3	33.4	29.8
Gases	10.6	13.4	14.7	15.1	17.0	15.2
of which Natural Gas	10.6	13.4	14.7	15.1	17.0	15.2
Nuclear	10.7	12.4	12.3	12.2	12.4	12.4
Renewables	0.5	0.6	1.2	2.2	2.6	2.9
Waste, Non-Renewable	0.4	0.4	0.5	0.7	0.8	2.7
Electricity	0.4	0.4	0.5	-0.2	0.0	0.2
Primary Energy Intensity	48.3	52.5	51.5	50.9	53.9	52.0
Final Non-Energy Consumption	5.8	6.7	7.5	7.3	7.6	7.7
Final Energy Consumption	34.3	37.4	36.6	34.5	36.9	38.9
by Fuel/Product						
Solid Fuels	3.3	3.3	2.0	1.0	1.2	1.1
Petroleum and Products	16.0	16.3	16.5	15.5	15.4	14.5
Gases	8.5	10.0	10.0	9.5	11.1	12.3
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Biomass and Renewable Waste	0.3	0.4	0.6	1.1	1.3	1.2
Geothermal						0.0
Waste, Non-Renewable	0.1	0.1	0.1	0.1	0.1	2.1
Electricity	5.9	6.7	6.9	6.6	7.2	6.9
Derived heat	0.2	0.5	0.4	0.6	0.7	0.7
by Sector						
Industry	12.0	14.1	11.7	9.6	11.2	13.3
Transport	8.5	9.7	9.9	11.1	10.8	10.7
Households	9.3	9.5	9.9	8.3	9.0	7.4
Services	3.5	3.4	4.2	4.6	5.0	4.4
Agriculture	1.1	0.7	0.8	0.8	0.8	0.8
Fishing				0.0		
Other	0.0	0.0	0.0	0.1	0.1	2.3

Methodology, Sources and Notes: See Appendix 13 – No 5

Belgium

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	7.9	8.5	8.7	9.2	9.2	10.3
Nuclear	5.6	5.7	5.8	5.9	5.9	5.9
Hydro	1.4	1.4	1.4	1.4	1.4	1.4
Gross Electricity Generation – TWh	74.4	84.0	87.0	91.2	95.1	90.2
by Fuel						
Solid Fuels	16.5	12.9	8.2	5.2	4.2	3.4
Petroleum and Products	1.3	0.8	1.7	0.3	0.4	0.3
Gases	12.9	19.1	25.1	30.3	33.2	27.4
Nuclear	41.4	48.2	47.6	47.2	47.9	48.2
Renewables	1.6	2.3	3.4	6.9	7.9	9.6
by Type						
Main Activity Electricity Only	63.4	78.0	79.2	77.7	79.8	74.7
Main Activity CHP Plants	8.1	4.3	6.1	9.7	10.1	8.9
Autoproducer Electricity Only	2.9	0.3	0.2	0.3	0.8	1.3
Autoproducer CHP Plants	0.0	1.4	1.5	3.5	4.4	5.2
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			1.9	2.4	2.6	2.6
CHP Electricity Generation – TWh			7.4	13.2	15.2	14.5
CHP in Total Electricity Generation – %			8.5 %	14.5 %	16.0 %	16.0 %
CHP Heat Production – PJ			75.9			93.7
Transport Fuels – ktoe						
Final Consumption Petroleum Products	8 392	9 537	9 781	10 694	10 298	10 208
Motor Gasoline	2 977	2 359	1 852	1 445	1 307	1 319
Gas/Diesel Oil	4 283	5 416	6 496	7 242	7 384	7 342
Final Consumption Biofuels				286	362	348
Biogasoline				47	53	48
Biodiesel				238	309	300
Main Energy Indicators						
Energy Intensity – toe/M€05	222	211	194	185	191	182
Energy per Capita – kgoe/cap	5 341	5 779	5 631	5 385	5 651	5 437
Final Electricity p/cap – kWh/cap	6 752	7 568	7 657	7 160	7 655	7 298
Primary Efficiency – toe/M€05	198	187	170	162	167	159
Import Dependency – %	80.9 %	78.1 %	80.1 %	74.3 %	76.8 %	72.9 %
of Solid Fuels	108.9 %	91.1 %	101.4 %	81.8 %	98.3 %	101.2 %
of Hard Coal	108.5 %	90.4 %	100.9 %	83.7 %	100.2 %	103.0 %
of Petroleum Fuels	99.6 %	100.2 %	100.8 %	95.4 %	98.0 %	98.7 %
of Crude and NGL	99.8 %	100.2 %	99.5 %	99.7 %	99.9 %	100.3 %
of Natural Gas	98.2 %	99.3 %	100.6 %	99.0 %	99.0 %	100.1 %
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				4.7 %	5.4 %	4.1 %
RES-H&C – Heating and Cooling				5.1 %	5.2 %	4.3 %
RES-E – Electricity Generation				5.8 %	6.9 %	8.8 %
RE-T – Transport				3.3 %	4.3 %	0.3 %
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	140	146	154	135	140	
GHGs Emissions	166	167	172	152	158	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	13 804	14 215	14 680	12 527	12 889	
Carbon Intensity – kg CO ₂ /toe	2 585	2 460	2 607	2 326	2 281	
CO ₂ GDP Intensity – ton CO ₂ /M€05	575	520	507	430	435	

Methodology, Sources and Notes: See Appendix 13 – No 5

Bulgaria

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	10.3	9.9	10.6	9.8	10.5	12.3
Solid Fuels	5.3	4.3	4.2	4.6	4.9	6.2
of which Hard Coal	1.0	0.0	0.0	0.1	0.0	0.0
Petroleum and Products	0.1	0.1	0.1	0.0	0.1	0.1
of which Crude and NGL	0.0	0.0	0.0	0.0	0.0	0.0
Gases	0.0	0.0	0.4	0.0	0.1	0.4
of which Natural Gas	0.0	0.0	0.4	0.0	0.1	0.4
Nuclear	4.5	4.7	4.8	4.0	4.0	4.2
Renewables	0.4	0.8	1.1	1.1	1.5	1.4
Waste, Non-Renewable		0.0	0.1	0.0	0.0	0.0
Net Imports	13.5	8.7	9.6	8.1	7.2	7.1
Solid Fuels	2.4	2.3	2.6	1.7	1.7	2.0
of which Hard Coal	2.3	2.2	2.5	1.7	1.7	2.0
Petroleum and Products	6.6	4.1	5.3	4.7	4.2	3.8
of which Crude and NGL	8.1	5.3	6.1	6.2	5.5	5.1
Gases	4.6	2.7	2.5	2.1	2.1	2.3
of which Natural Gas	4.6	2.7	2.5	2.1	2.1	2.3
Renewables	0.0	0.0	0.0	0.0	-0.1	-0.1
Electricity	0.0	-0.4	-0.7	-0.4	-0.7	-0.9
Gross Inland Consumption	23.4	18.7	20.1	17.6	17.9	19.3
Solid Fuels	7.6	6.4	6.9	6.4	6.9	8.1
of which Hard Coal	3.2	2.2	2.6	1.8	1.9	1.9
Petroleum and Products	6.3	4.3	5.0	4.4	4.1	3.9
of which Crude and NGL	8.1	5.4	6.3	6.3	5.6	5.1
Gases	4.6	2.9	2.8	2.2	2.3	2.6
of which Natural Gas	4.6	2.9	2.8	2.2	2.3	2.6
Nuclear	4.5	4.7	4.8	4.0	4.0	4.2
Renewables	0.4	0.8	1.1	1.1	1.4	1.4
Waste, Non-Renewable		0.0	0.1	0.0	0.0	0.0
Electricity	0.0	-0.4	-0.7	-0.4	-0.7	-0.9
Primary Energy Intensity	22.2	17.7	19.2	17.0	17.5	18.8
Final Non-Energy Consumption	1.2	1.0	0.8	0.6	0.4	0.5
Final Energy Consumption	11.4	8.9	10.0	8.6	8.9	9.3
by Fuel/Product						
Solid Fuels	1.3	0.9	1.0	0.3	0.4	0.5
Petroleum and Products	2.9	3.0	3.7	3.3	3.1	3.0
Gases	1.8	1.5	1.5	1.0	1.1	1.3
Solar					0.0	0.0
Biomass and Renewable Waste	0.2	0.5	0.7	0.7	0.9	1.0
Geothermal			0.0	0.0	0.0	0.0
Waste, Non-Renewable		0.0	0.1	0.0	0.0	0.0
Electricity	2.5	2.1	2.2	2.3	2.3	2.4
Derived heat	2.8	0.9	0.9	0.9	1.0	1.0
by Sector						
Industry	6.0	3.8	3.9	2.5	2.6	2.7
Transport	1.8	2.0	2.9	2.9	2.9	2.9
Households	2.5	2.2	2.1	2.1	2.2	2.4
Services	0.2	0.6	0.8	0.9	1.0	1.0
Agriculture	0.4	0.3	0.3	0.2	0.2	0.2
Fishing			0.0	0.0	0.0	0.0
Other	0.5	0.0				

Methodology, Sources and Notes: See Appendix 13 – No 5

Bulgaria

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels			6.7	4.4	4.6	4.5
Nuclear			2.7	1.9	1.9	1.9
Hydro	2.0	1.9	2.8	3.0	3.0	3.1
Gross Electricity Generation – TWh	41.8	40.9	44.4	43.0	46.7	50.8
by Fuel						
Solid Fuels	17.3	16.9	18.5	21.1	22.6	27.5
Petroleum and Products	1.4	0.7	0.6	0.3	0.4	0.1
Gases	3.4	2.2	1.9	2.0	2.0	2.1
Nuclear	17.3	18.2	18.7	15.3	15.2	16.3
Renewables	2.3	3.0	4.7	4.3	6.4	4.7
by Type						
Main Activity Electricity Only	33.4	35.3	38.4	37.4	41.6	46.1
Main Activity CHP Plants	5.6	3.8	4.4	5.4	4.9	4.5
Autoproducer Electricity Only	0.0	0.0	0.2	0.0	0.0	0.0
Autoproducer CHP Plants	2.8	1.8	1.5	0.2	0.2	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			1.2	1.3	1.0	1.1
CHP Electricity Generation – TWh			2.7	4.0	3.7	3.4
CHP in Total Electricity Generation – %			6.1%	9.4%	8.0%	6.7%
CHP Heat Production – PJ			50.4	44.5	40.4	38.5
Transport Fuels – ktoe						
Final Consumption Petroleum Products	1 751	1 784	2 578	2 694	2 626	2 629
Motor Gasoline	1 138	693	572	647	611	564
Gas/Diesel Oil	276	773	1 370	1 483	1 459	1 524
Final Consumption Biofuels				4	13	17
Biogasoline						
Biodiesel				3	10	17
Main Energy Indicators						
Energy Intensity – toe/M€05	1 329	1 050	863	665	675	712
Energy per Capita – kgoe/cap	2 785	2 290	2 601	2 320	2 381	2 623
Final Electricity p/cap – kWh/cap	3 413	2 968	3 332	3 539	3 597	3 868
Primary Efficiency – toe/M€05	1 259	995	827	643	659	694
Import Dependency – %	57.2%	46.5%	47.5%	45.3%	40.1%	36.6%
of Solid Fuels	31.7%	35.1%	37.0%	27.3%	24.7%	24.4%
of Hard Coal	73.0%	100.5%	94.8%	93.6%	88.2%	102.9%
of Petroleum Fuels	99.6%	95.6%	101.9%	101.3%	100.8%	97.7%
of Crude and NGL	99.7%	98.7%	97.7%	98.6%	99.1%	98.2%
of Natural Gas	99.5%	93.5%	87.7%	98.6%	92.6%	86.1%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				11.9%	13.8%	13.8%
RES-H&C – Heating and Cooling				21.0%	23.7%	23.8%
RES-E – Electricity Generation				11.3%	12.9%	12.9%
RE-T – Transport				0.6%	1.0%	0.4%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	64	48	53	47	49	
GHGs Emissions	84	63	67	60	62	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	7 603	5 885	6 843	6 161	6 482	
Carbon Intensity – kg CO ₂ /toe	2 730	2 570	2 631	2 656	2 723	
CO ₂ GDP Intensity – ton CO ₂ /M€05	3 629	2 699	2 271	1 766	1 838	

Methodology, Sources and Notes: See Appendix 13 – No 5

Czech Republic

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	32.4	30.6	32.9	31.2	31.6	32.0
Solid Fuels	27.6	25.0	23.6	20.9	20.7	20.9
of which Hard Coal	10.8	9.4	8.4	7.1	7.4	7.2
Petroleum and Products	0.3	0.4	0.6	0.3	0.3	0.4
of which Crude and NGL	0.1	0.2	0.3	0.2	0.2	0.2
Gases	0.2	0.2	0.2	0.1	0.2	0.2
of which Natural Gas	0.2	0.2	0.2	0.1	0.2	0.2
Nuclear	3.2	3.5	6.4	7.0	7.2	7.3
Renewables	1.2	1.3	2.0	2.6	2.9	3.0
Waste, Non-Renewable	0.0	0.2	0.2	0.2	0.2	0.2
Net Imports	8.6	9.5	12.8	11.5	11.5	12.1
Solid Fuels	-5.8	-4.7	-3.3	-3.4	-3.0	-2.6
of which Hard Coal	-2.9	-3.5	-2.8	-3.2	-2.9	-2.5
Petroleum and Products	7.9	7.6	9.8	9.2	9.0	8.6
of which Crude and NGL	7.0	5.6	7.8	7.3	7.8	7.0
Gases	6.4	7.5	7.5	7.0	6.8	7.5
of which Natural Gas	6.4	7.5	7.5	7.0	6.8	7.5
Renewables	0.0	0.0	-0.2	-0.2	-0.1	0.0
Electricity	0.0	-0.9	-1.1	-1.2	-1.3	-1.5
Gross Inland Consumption	41.7	41.3	45.3	42.4	44.8	43.3
Solid Fuels	22.7	21.6	20.2	17.6	18.5	18.4
of which Hard Coal	8.4	6.3	5.6	4.1	4.9	5.1
Petroleum and Products	8.1	8.0	10.1	9.6	9.3	9.1
of which Crude and NGL	6.9	5.9	7.8	7.5	8.0	7.2
Gases	6.6	7.5	7.7	6.7	8.0	6.8
of which Natural Gas	6.6	7.5	7.7	6.7	8.0	6.8
Nuclear	3.2	3.5	6.4	7.0	7.2	7.3
Renewables	1.2	1.3	1.8	2.4	2.8	3.0
Waste, Non-Renewable	0.0	0.2	0.2	0.2	0.2	0.2
Electricity	0.0	-0.9	-1.1	-1.2	-1.3	-1.5
Primary Energy Intensity	39.2	39.1	42.3	39.8	42.0	40.7
Final Non-Energy Consumption	2.5	2.2	3.0	2.6	2.8	2.6
Final Energy Consumption	26.2	24.7	26.0	24.5	25.6	24.6
by Fuel/Product						
Solid Fuels	5.9	5.0	3.6	3.1	3.1	3.1
Petroleum and Products	5.5	5.4	6.9	7.0	6.6	6.6
Gases	6.2	6.5	6.7	5.8	6.7	6.0
Solar			0.0	0.0	0.0	0.0
Biomass and Renewable Waste	0.9	0.9	1.3	1.7	1.9	1.9
Geothermal						
Waste, Non-Renewable		0.0	0.1	0.2	0.2	0.2
Electricity	4.1	4.2	4.8	4.7	4.9	4.9
Derived heat	3.7	2.6	2.5	2.1	2.2	2.1
by Sector						
Industry	12.9	10.1	9.7	8.2	8.7	8.6
Transport	2.9	4.4	6.2	6.6	6.3	6.3
Households	6.1	6.0	6.2	6.0	6.6	5.9
Services	2.4	3.0	3.1	2.9	3.1	3.0
Agriculture	1.2	0.7	0.6	0.5	0.6	0.6
Fishing			0.0	0.0	0.0	0.0
Other	0.7	0.5	0.3	0.2	0.3	0.3

Methodology, Sources and Notes: See Appendix 13 – No 5

Czech Republic

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	10.6	11.5	11.5	11.7	11.8	11.9
Nuclear	1.8	1.8	3.8	3.8	3.9	4.0
Hydro	1.4	2.1	2.2	2.2	2.2	2.2
Gross Electricity Generation – TWh	60.8	73.5	82.6	82.3	85.9	87.5
by Fuel						
Solid Fuels	44.3	52.6	49.5	46.0	47.1	47.0
Petroleum and Products	0.6	0.4	0.3	0.2	0.2	0.1
Gases	1.0	3.9	4.2	3.7	4.1	4.0
Nuclear	12.2	13.6	24.7	27.2	28.0	28.3
Renewables	2.7	2.8	3.8	5.2	6.5	7.9
by Type						
Main Activity Electricity Only	47.3	52.5	61.2	61.5	65.3	66.5
Main Activity CHP Plants	7.2	10.5	11.3	11.8	11.3	12.9
Autoproducer Electricity Only	0.7	1.3	1.2	1.1	1.5	1.3
Autoproducer CHP Plants	5.6	9.2	8.9	7.8	7.8	6.8
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			5.2	4.8	4.8	4.7
CHP Electricity Generation – TWh			13.9	11.0	12.2	11.2
CHP in Total Electricity Generation – %			16.8%	13.4%	14.2%	12.8%
CHP Heat Production – PJ			150.7	119.9	135.7	121.1
Transport Fuels – ktoe						
Final Consumption Petroleum Products	2 630	4 111	5 962	6 170	5 800	5 761
Motor Gasoline	1 720	1 953	2 160	2 086	1 895	1 822
Gas/Diesel Oil	708	1 890	3 384	3 628	3 483	3 507
Final Consumption Biofuels	16	64	3	195	231	300
Biogasoline				59	58	61
Biodiesel	16	64	3	136	173	239
Main Energy Indicators						
Energy Intensity – toe/M€05	533	482	433	364	375	356
Energy per Capita – kgoe/cap	4 036	4 017	4 424	4 043	4 258	4 127
Final Electricity p/cap – kWh/cap	4 654	4 807	5 403	5 234	5 440	5 397
Primary Efficiency – toe/M€05	501	456	404	342	352	335
Import Dependency – %	20.6%	23.0%	28.3%	27.1%	25.6%	27.9%
of Solid Fuels	-25.5%	-21.8%	-16.1%	-19.4%	-16.1%	-14.0%
of Hard Coal	-34.2%	-56.1%	-49.4%	-79.1%	-58.0%	-47.8%
of Petroleum Fuels	97.9%	95.3%	97.5%	96.6%	96.3%	95.0%
of Crude and NGL	100.2%	95.3%	99.3%	97.2%	97.5%	97.3%
of Natural Gas	98.0%	99.8%	97.8%	104.6%	85.2%	110.8%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				8.7%	9.4%	9.4%
RES-H&C – Heating and Cooling				11.9%	12.0%	12.8%
RES-E – Electricity Generation				6.4%	7.5%	10.6%
RE-T – Transport				3.8%	4.6%	0.6%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	129	127	128	117	121	
GHGs Emissions	151	146	147	136	140	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	12 461	12 317	12 515	11 143	11 492	
Carbon Intensity – kg CO ₂ /toe	3 087	3 066	2 829	2 756	2 699	
CO ₂ GDP Intensity – ton CO ₂ /M€05	1 647	1 478	1 224	1 003	1 012	

Methodology, Sources and Notes: See Appendix 13 – No 5

Denmark

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	15.6	27.7	31.3	24.0	23.3	21.2
Solid Fuels						
of which Hard Coal						
Petroleum and Products	9.4	18.2	19.0	13.3	12.5	11.4
of which Crude and NGL	9.4	18.2	19.0	13.3	12.5	11.3
Gases	4.7	7.4	9.4	7.5	7.4	6.3
of which Natural Gas	4.7	7.4	9.4	7.5	7.3	6.3
Nuclear						
Renewables	1.3	1.7	2.5	2.8	3.1	3.0
Waste, Non-Renewable	0.2	0.3	0.4	0.4	0.4	0.4
Net Imports	7.3	-7.4	-10.5	-4.0	-3.5	-1.7
Solid Fuels	7.7	3.8	3.5	3.9	2.6	3.6
of which Hard Coal	7.6	3.8	3.5	3.9	2.6	3.6
Petroleum and Products	1.2	-8.5	-9.4	-4.9	-3.9	-4.0
of which Crude and NGL	0.6	-9.9	-11.2	-5.2	-5.1	-4.4
Gases	-1.5	-2.9	-5.0	-3.6	-3.0	-2.5
of which Natural Gas	-1.5	-2.9	-5.0	-3.6	-3.0	-2.5
Renewables	0.0	0.1	0.3	0.5	0.8	1.0
Electricity	-0.1	0.1	0.1	0.0	-0.1	0.1
Gross Inland Consumption	20.3	19.8	19.8	19.3	20.3	19.0
Solid Fuels	6.5	4.0	3.7	4.0	3.8	3.2
of which Hard Coal	6.5	4.0	3.7	4.0	3.8	3.2
Petroleum and Products	9.1	9.2	8.3	7.6	7.8	7.4
of which Crude and NGL	9.9	8.2	7.9	8.0	7.4	6.9
Gases	3.2	4.5	4.4	3.9	4.4	3.7
of which Natural Gas	3.2	4.4	4.4	3.9	4.4	3.7
Nuclear						
Renewables	1.3	1.8	2.8	3.3	3.9	4.1
Waste, Non-Renewable	0.2	0.3	0.4	0.4	0.4	0.4
Electricity	-0.1	0.1	0.1	0.0	-0.1	0.1
Primary Energy Intensity	20.0	19.5	19.5	19.0	20.0	18.7
Final Non-Energy Consumption	0.3	0.3	0.3	0.2	0.3	0.3
Final Energy Consumption	14.8	14.7	15.5	14.8	15.5	14.7
by Fuel/Product						
Solid Fuels	0.4	0.3	0.3	0.1	0.1	0.1
Petroleum and Products	7.3	7.1	7.3	6.7	6.7	6.4
Gases	1.7	1.7	1.7	1.6	1.8	1.6
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Biomass and Renewable Waste	0.6	0.6	0.9	1.2	1.2	1.3
Geothermal						
Waste, Non-Renewable	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	2.7	2.8	2.9	2.7	2.8	2.7
Derived heat	2.2	2.3	2.4	2.5	2.8	2.5
by Sector						
Industry	3.0	2.9	2.9	2.3	2.4	2.4
Transport	4.5	4.8	5.3	5.2	5.2	5.1
Households	4.5	4.2	4.5	4.4	4.9	4.4
Services	1.8	1.8	2.0	2.0	2.1	2.0
Agriculture	0.7	0.7	0.7	0.7	0.7	0.7
Fishing	0.2	0.2	0.2	0.1	0.1	0.1
Other	0.0	0.0	0.0	0.0	0.0	0.0

Methodology, Sources and Notes: See Appendix 13 – No 5

Denmark

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	10.2	9.9	9.9	9.9	9.6	9.6
Nuclear						
Hydro	0.0	0.0	0.0	0.0	0.0	0.0
Gross Electricity Generation – TWh	36.8	36.1	36.2	36.4	38.8	35.2
by Fuel						
Solid Fuels	27.4	16.7	15.5	17.7	17.0	14.0
Petroleum and Products	3.6	4.4	1.4	1.2	0.8	0.5
Gases	3.6	8.8	8.8	6.7	7.9	5.8
Nuclear						
Renewables	1.9	5.6	9.8	10.1	12.4	14.2
by Type						
Main Activity Electricity Only	5.4	6.7	6.7	6.8	7.9	9.9
Main Activity CHP Plants	30.1	26.5	26.7	27.5	28.6	23.2
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	1.2	2.8	2.9	2.1	2.2	2.1
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			5.7	5.3	5.8	5.5
CHP Electricity Generation – TWh			18.9	16.5	19.1	16.3
CHP in Total Electricity Generation – %			52.1 %	45.3 %	49.2 %	46.2 %
CHP Heat Production – PJ			119.0	109.8	124.7	108.1
Transport Fuels – ktoe						
Final Consumption Petroleum Products	4 526	4 791	5 295	5 151	5 101	4 971
Motor Gasoline	1 953	2 028	1 931	1 704	1 563	1 463
Gas/Diesel Oil	1 810	1 859	2 367	2 574	2 642	2 578
Final Consumption Biofuels				9	27	133
Biogasoline				5	27	49
Biodiesel				4		84
Main Energy Indicators						
Energy Intensity – toe/M€'05	120	102	95	94	98	91
Energy per Capita – kgoe/cap	3 878	3 708	3 646	3 487	3 658	3 411
Final Electricity p/cap – kWh/cap	5 905	6 080	6 175	5 695	5 792	5 637
Primary Efficiency – toe/M€'05	118	100	94	93	97	89
Import Dependency – %	33.3 %	-35.3 %	-50.9 %	-20.4 %	-16.9 %	-8.5 %
of Solid Fuels	117.9 %	94.9 %	94.4 %	98.0 %	69.4 %	111.0 %
of Hard Coal	118.0 %	94.8 %	94.3 %	98.1 %	69.3 %	111.1 %
of Petroleum Fuels	11.0 %	-81.1 %	-103.9 %	-60.4 %	-45.7 %	-48.7 %
of Crude and NGL	6.3 %	-120.5 %	-141.3 %	-65.0 %	-68.8 %	-62.8 %
of Natural Gas	-47.2 %	-64.8 %	-113.9 %	-91.9 %	-68.3 %	-66.3 %
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				20.2 %	22.2 %	23.1 %
RES-H&C – Heating and Cooling				30.8 %	31.9 %	33.6 %
RES-E – Electricity Generation				28.3 %	32.9 %	35.9 %
RE-T – Transport				0.2 %	0.3 %	0.2 %
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	68	60	56	52	53	
GHGs Emissions	83	75	69	65	66	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	12 954	11 275	10 322	9 448	9 607	
Carbon Intensity – kg CO ₂ /toe	3 341	3 040	2 831	2 710	2 626	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	400	309	270	256	257	

Methodology, Sources and Notes: See Appendix 13 – No 5

Germany

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	145.1	135.5	136.6	127.9	132.0	124.9
Solid Fuels	78.9	60.6	56.5	45.7	45.1	46.5
of which Hard Coal	38.1	24.2	18.0	9.2	8.5	8.4
Petroleum and Products	4.0	4.5	5.5	5.0	4.3	4.5
of which Crude and NGL	3.0	3.2	3.5	2.8	2.5	2.7
Gases	15.1	15.8	14.2	11.1	9.7	10.9
of which Natural Gas	15.1	15.8	14.2	11.1	9.7	10.9
Nuclear	39.5	43.8	42.1	34.8	36.3	27.9
Renewables	6.1	9.1	17.5	27.8	32.7	31.3
Waste, Non-Renewable	1.4	1.7	0.8	3.5	3.8	3.9
Net Imports	195.6	205.8	213.1	202.4	202.6	194.9
Solid Fuels	10.3	21.7	25.7	25.9	31.8	31.7
of which Hard Coal	8.2	17.2	23.5	24.3	29.3	29.9
Petroleum and Products	132.0	127.0	122.8	110.5	112.1	106.9
of which Crude and NGL	102.2	102.7	113.7	99.4	94.0	91.5
Gases	52.9	56.9	65.7	67.3	60.1	56.7
of which Natural Gas	52.9	56.9	65.7	67.3	60.1	56.7
Renewables			-0.8	-0.2	-0.2	-0.1
Electricity	0.4	0.3	-0.4	-1.1	-1.3	-0.3
Gross Inland Consumption	342.2	343.6	346.0	326.4	336.1	316.3
Solid Fuels	91.6	84.8	81.7	71.6	77.1	77.1
of which Hard Coal	47.7	43.8	41.0	33.5	38.0	37.1
Petroleum and Products	135.8	132.2	124.2	113.3	114.2	110.8
of which Crude and NGL	105.5	109.4	116.8	102.6	96.9	95.0
Gases	67.3	71.9	80.9	76.6	73.4	65.8
of which Natural Gas	67.3	71.9	80.9	76.6	73.4	65.8
Nuclear	39.5	43.8	42.1	34.8	36.3	27.9
Renewables	6.1	9.1	16.7	27.6	32.6	31.2
Waste, Non-Renewable	1.4	1.7	0.8	3.5	3.8	3.9
Electricity	0.4	0.3	-0.4	-1.1	-1.3	-0.3
Primary Energy Intensity	314.8	312.4	314.7	298.8	306.4	286.4
Final Non-Energy Consumption	27.3	31.2	31.3	27.7	29.7	29.9
Final Energy Consumption	220.7	219.1	229.5	213.2	217.4	207.1
by Fuel/Product						
Solid Fuels	13.9	11.0	9.9	8.3	9.6	10.0
Petroleum and Products	104.6	98.7	88.9	82.7	82.5	79.7
Gases	51.8	56.1	59.9	57.5	54.0	47.7
Solar	0.0	0.1	0.2	0.4	0.4	0.6
Biomass and Renewable Waste	2.7	4.7	7.8	10.0	12.6	12.7
Geothermal	0.1	0.1	0.1	0.4	0.5	0.6
Waste, Non-Renewable				1.0	0.9	0.9
Electricity	38.8	41.6	44.8	42.6	45.5	44.8
Derived heat	8.7	6.8	17.9	10.2	11.3	10.0
by Sector						
Industry	60.1	57.6	62.5	51.7	60.6	60.0
Transport	62.8	65.9	62.4	61.8	61.9	62.3
Households	66.2	65.2	63.6	65.8	62.0	52.9
Services	25.1	25.1	26.5	29.3	32.1	29.9
Agriculture	2.7	0.9	1.0	1.0	0.8	0.8
Fishing						
Other	3.7	4.4	13.6	3.7		1.2

Methodology, Sources and Notes: See Appendix 13 – No 5

Germany

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	83.4	80.8	76.4	80.2	77.2	81.8
Nuclear	22.8	22.4	20.4	20.5	20.5	20.5
Hydro	8.9	9.0	8.3	10.6	11.0	11.6
Gross Electricity Generation – TWh	537.3	576.5	620.6	590.4	629.0	608.9
by Fuel						
Solid Fuels	289.1	296.7	297.5	252.7	263.6	262.5
Petroleum and Products	9.0	4.8	10.6	9.6	8.4	6.8
Gases	50.4	60.0	77.6	84.9	96.7	93.0
Nuclear	153.1	169.6	163.1	134.9	140.6	108.0
Renewables	30.4	39.7	68.8	100.0	110.5	129.4
by Type						
Main Activity Electricity Only	462.6	527.6	514.1	496.0	521.5	493.4
Main Activity CHP Plants	0.0	0.0	62.0	50.5	54.5	64.8
Autoproducer Electricity Only	74.7	48.9	20.8	17.3	23.2	20.3
Autoproducer CHP Plants	0.0	0.0	23.7	26.6	29.8	30.3
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			20.8	22.5	22.5	26.6
CHP Electricity Generation – TWh			77.9	77.0	83.2	79.6
CHP in Total Electricity Generation – %			12.6%	13.0%	13.2%	13.1%
CHP Heat Production – PJ			652.5	628.7	675.8	638.9
Transport Fuels – ktoe						
Final Consumption Petroleum Products	61 418	64 336	58 978	57 488	57 297	57 733
Motor Gasoline	31 416	30 036	24 235	20 690	19 665	19 591
Gas/Diesel Oil	23 930	26 857	26 374	27 270	28 281	29 130
Final Consumption Biofuels	31	225	1 941	2 697	2 960	2 943
Biogasoline			152	564	732	771
Biodiesel			626	1 941	1 981	2 057
Main Energy Indicators						
Energy Intensity – toe/M€'05	174	159	156	143	141	129
Energy per Capita – kgoe/cap	4 190	4 181	4 196	3 987	4 111	3 868
Final Electricity p/cap – kWh/cap	5 525	5 882	6 317	6 053	6 470	6 377
Primary Efficiency – toe/M€'05	160	145	141	131	129	117
Import Dependency – %	56.8%	59.5%	61.2%	61.5%	59.8%	61.1%
of Solid Fuels	11.2%	25.5%	31.5%	36.2%	41.3%	41.1%
of Hard Coal	17.1%	39.2%	57.3%	72.4%	77.3%	80.6%
of Petroleum Fuels	95.8%	94.5%	97.0%	95.2%	95.8%	94.2%
of Crude and NGL	96.9%	93.8%	97.3%	96.9%	97.0%	96.3%
of Natural Gas	78.6%	79.1%	81.3%	87.9%	81.9%	86.1%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				9.5%	11.0%	12.3%
RES-H&C – Heating and Cooling				8.5%	10.5%	12.0%
RES-E – Electricity Generation				17.2%	18.1%	21.3%
RE-T – Transport				5.3%	5.7%	6.1%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	953	918	897	818	852	
GHGs Emissions	1 139	1 066	1 029	946	970	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	11 667	11 171	10 878	9 989	10 426	
Carbon Intensity – kg CO ₂ /toe	2 784	2 672	2 593	2 505	2 536	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	484	425	403	358	358	

Methodology, Sources and Notes: See Appendix 13 – No 5

Estonia

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	3.7	3.4	4.2	4.7	5.5	5.6
Solid Fuels	3.1	2.7	3.2	3.3	3.9	4.1
of which Hard Coal						
Petroleum and Products	0.3	0.2	0.4	0.5	0.5	0.6
of which Crude and NGL						
Gases						
of which Natural Gas						
Nuclear						
Renewables	0.4	0.5	0.7	0.9	1.0	1.0
Waste, Non-Renewable						
Net Imports	1.8	1.6	1.4	1.2	0.8	0.7
Solid Fuels	0.3	0.3	0.0	0.0	0.0	0.0
of which Hard Coal	0.1	0.1	0.0	0.0	0.0	0.0
Petroleum and Products	1.0	0.8	0.9	0.8	0.7	0.7
of which Crude and NGL						
Gases	0.6	0.7	0.8	0.5	0.6	0.5
of which Natural Gas	0.6	0.7	0.8	0.5	0.6	0.5
Renewables	0.0	0.0	-0.1	-0.1	-0.2	-0.1
Electricity	-0.1	-0.1	-0.1	0.0	-0.3	-0.3
Gross Inland Consumption	5.5	5.0	5.6	5.3	6.1	6.2
Solid Fuels	3.5	3.0	3.2	3.1	3.9	4.1
of which Hard Coal	0.1	0.1	0.0	0.1	0.0	0.0
Petroleum and Products	1.2	0.9	1.1	1.0	1.1	1.1
of which Crude and NGL						
Gases	0.6	0.7	0.8	0.5	0.6	0.5
of which Natural Gas	0.6	0.7	0.8	0.5	0.6	0.5
Nuclear						
Renewables	0.3	0.5	0.6	0.7	0.8	0.8
Waste, Non-Renewable						
Electricity	-0.1	-0.1	-0.1	0.0	-0.3	-0.3
Primary Energy Intensity	5.4	4.8	5.4	5.2	6.1	6.1
Final Non-Energy Consumption	0.2	0.2	0.2	0.1	0.0	0.0
Final Energy Consumption	2.6	2.4	2.9	2.8	2.9	2.8
by Fuel/Product						
Solid Fuels	0.2	0.1	0.1	0.1	0.1	0.1
Petroleum and Products	0.9	0.8	1.0	0.9	0.9	1.0
Gases	0.3	0.2	0.3	0.2	0.2	0.2
Solar						
Biomass and Renewable Waste	0.3	0.4	0.4	0.5	0.6	0.5
Geothermal						
Waste, Non-Renewable						
Electricity	0.4	0.4	0.5	0.6	0.6	0.6
Derived heat	0.6	0.5	0.5	0.5	0.5	0.5
by Sector						
Industry	0.9	0.6	0.7	0.5	0.6	0.6
Transport	0.5	0.6	0.8	0.7	0.8	0.8
Households	1.0	0.9	0.9	1.0	1.0	0.9
Services	0.2	0.3	0.4	0.4	0.4	0.4
Agriculture	0.1	0.1	0.1	0.1	0.1	0.1
Fishing			0.0	0.0	0.0	0.0
Other	0.0					

Methodology, Sources and Notes: See Appendix 13 – No 5

Estonia

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels		2.8	2.5	2.6	2.6	2.6
Nuclear						
Hydro	0.0	0.0	0.0	0.0	0.0	0.0
Gross Electricity Generation – TWh	8.8	8.5	10.2	8.8	13.0	12.9
by Fuel						
Solid Fuels	8.4	7.7	9.3	7.7	11.2	11.0
Petroleum and Products	0.1	0.1	0.0	0.0	0.0	0.0
Gases	0.3	0.8	0.8	0.5	0.7	0.7
Nuclear						
Renewables	0.0	0.0	0.1	0.5	1.0	1.2
by Type						
Main Activity Electricity Only	0.0	7.3	9.1	8.0	11.6	11.7
Main Activity CHP Plants	8.6	1.1	0.9	0.7	1.2	1.0
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	0.2	0.1	0.1	0.1	0.1	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			1.6	0.4	0.4	0.4
CHP Electricity Generation – TWh			1.0	0.8	1.3	1.3
CHP in Total Electricity Generation – %			10.2%	9.2%	10.3%	10.4%
CHP Heat Production – PJ			11.5	11.5	12.3	12.3
Transport Fuels – ktoe						
Final Consumption Petroleum Products	481	570	756	739	781	779
Motor Gasoline	259	293	303	307	289	274
Gas/Diesel Oil	202	255	405	398	454	470
Final Consumption Biofuels						
Biogasoline						
Biodiesel						
Main Energy Indicators						
Energy Intensity – toe/M€'05	967	627	497	487	543	505
Energy per Capita – kgoe/cap	3 824	3 618	4 128	3 961	4 563	4 598
Final Electricity p/cap – kWh/cap	3 163	3 637	4 482	4 961	5 155	4 945
Primary Efficiency – toe/M€'05	936	605	481	481	538	502
Import Dependency – %	32.4%	32.0%	25.4%	21.4%	13.1%	11.7%
of Solid Fuels	8.4%	9.1%	0.8%	-0.2%	-0.6%	-0.4%
of Hard Coal	102.4%	116.1%	96.4%	34.5%	118.3%	95.7%
of Petroleum Fuels	80.4%	77.2%	69.4%	64.7%	56.3%	55.6%
of Crude and NGL						
of Natural Gas	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				23.0%	24.3%	25.9%
RES-H&C – Heating and Cooling				41.8%	42.8%	46.0%
RES-E – Electricity Generation				6.1%	10.4%	12.3%
RE-T – Transport				0.2%	0.2%	0.2%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	18	16	17	15	19	
GHGs Emissions	21	18	19	17	21	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	12 629	11 329	12 586	11 187	14 198	
Carbon Intensity – kg CO ₂ /toe	3 302	3 131	3 049	2 824	3 112	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	3 195	1 964	1 517	1 376	1 690	

Methodology, Sources and Notes: See Appendix 13 – No 5

Ireland

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	4.1	2.2	1.6	1.5	1.9	1.8
Solid Fuels	1.7	1.0	0.8	0.6	1.0	0.8
of which Hard Coal	0.0					
Petroleum and Products			0.0	0.0	0.0	0.0
of which Crude and NGL						
Gases	2.2	1.0	0.5	0.3	0.3	0.3
of which Natural Gas	2.2	1.0	0.5	0.3	0.3	0.3
Nuclear						
Renewables	0.2	0.2	0.4	0.6	0.6	0.7
Waste, Non-Renewable				0.0	0.0	0.0
Net Imports	7.7	12.1	13.6	13.1	12.9	12.4
Solid Fuels	1.9	1.7	1.9	1.3	0.9	1.4
of which Hard Coal	1.9	1.7	1.9	1.3	0.9	1.4
Petroleum and Products	5.7	8.0	8.5	7.7	7.5	7.0
of which Crude and NGL	2.2	3.0	3.3	2.7	3.0	3.0
Gases	0.1	2.5	3.0	4.0	4.4	3.8
of which Natural Gas	0.1	2.5	3.0	4.0	4.4	3.8
Renewables			0.0	0.0	0.0	0.1
Electricity	0.0	0.0	0.2	0.1	0.0	0.0
Gross Inland Consumption	11.0	14.2	15.1	14.7	15.0	13.9
Solid Fuels	2.9	2.6	2.7	2.0	2.0	2.0
of which Hard Coal	1.8	1.8	1.9	1.1	1.2	1.3
Petroleum and Products	5.6	7.9	8.4	7.7	7.6	6.8
of which Crude and NGL	2.2	3.3	3.3	2.8	2.9	3.0
Gases	2.3	3.4	3.5	4.3	4.7	4.1
of which Natural Gas	2.3	3.4	3.5	4.3	4.7	4.1
Nuclear						
Renewables	0.2	0.2	0.4	0.7	0.7	0.8
Waste, Non-Renewable				0.0	0.0	0.0
Electricity	0.0	0.0	0.2	0.1	0.0	0.0
Primary Energy Intensity	10.4	13.7	14.8	14.6	14.7	13.6
Final Non-Energy Consumption	0.6	0.6	0.3	0.2	0.3	0.3
Final Energy Consumption	7.9	10.7	12.5	11.8	11.8	10.8
by Fuel/Product						
Solid Fuels	0.9	0.7	0.8	0.6	0.6	0.6
Petroleum and Products	4.8	6.9	8.0	7.2	7.1	6.3
Gases	0.8	1.2	1.5	1.5	1.6	1.5
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Biomass and Renewable Waste	0.1	0.1	0.2	0.3	0.3	0.3
Geothermal						
Waste, Non-Renewable				0.0	0.0	0.0
Electricity	1.3	1.7	2.1	2.2	2.2	2.1
Derived heat						
by Sector						
Industry	2.0	2.5	2.6	2.1	2.1	2.2
Transport	2.3	4.0	5.0	4.7	4.7	4.3
Households	2.2	2.5	2.9	3.1	3.2	2.7
Services	1.1	1.4	1.6	1.6	1.5	1.3
Agriculture	0.3	0.3	0.3	0.3	0.3	0.3
Fishing						
Other				0.0		

Methodology, Sources and Notes: See Appendix 13 – No 5

Ireland

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	3.5	4.1	5.1	5.6	6.4	6.4
Nuclear						
Hydro	0.5	0.5	0.5	0.5	0.5	0.5
Gross Electricity Generation – TWh	17.9	24.0	26.0	28.3	28.6	27.5
by Fuel						
Solid Fuels	9.0	8.6	8.8	6.6	6.4	6.9
Petroleum and Products	2.7	4.6	3.3	0.9	0.6	0.2
Gases	5.2	9.3	11.6	16.3	17.7	14.9
Nuclear						
Renewables	1.0	1.5	2.2	4.5	3.9	5.4
by Type						
Main Activity Electricity Only	17.6	23.4	25.3	26.5	26.7	25.5
Main Activity CHP Plants	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	0.2	0.6	0.6	1.8	2.0	2.0
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			0.1	0.3	0.3	0.3
CHP Electricity Generation – TWh			0.6	1.8	1.9	2.0
CHP in Total Electricity Generation – %			2.4%	6.3%	6.7%	7.1%
CHP Heat Production – PJ			4.4	10.9	12.0	11.0
Transport Fuels – ktoe						
Final Consumption Petroleum Products	2 347	4 016	4 991	4 611	4 570	4 211
Motor Gasoline	1 090	1 569	1 799	1 642	1 527	1 358
Gas/Diesel Oil	837	1 803	2 331	2 363	2 275	2 150
Final Consumption Biofuels			1	78	93	99
Biogasoline				23	30	31
Biodiesel			1	53	61	68
Main Energy Indicators						
Energy Intensity – toe/M€05	140	111	93	88	90	82
Energy per Capita – kgoe/cap	3 047	3 734	3 632	3 243	3 288	3 026
Final Electricity p/cap – kWh/cap	4 124	5 333	5 854	5 567	5 577	5 435
Primary Efficiency – toe/M€05	133	107	91	87	89	80
Import Dependency – %	69.2%	84.6%	89.3%	88.2%	85.6%	88.9%
of Solid Fuels	64.9%	64.6%	70.8%	64.0%	47.8%	68.9%
of Hard Coal	105.9%	93.2%	100.8%	111.7%	79.3%	111.1%
of Petroleum Fuels	100.2%	98.8%	99.7%	99.2%	97.5%	101.7%
of Crude and NGL	100.2%	89.8%	98.9%	95.7%	101.6%	100.7%
of Natural Gas	3.6%	72.1%	86.7%	92.5%	93.4%	93.1%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				5.3%	5.8%	6.7%
RES-H&C – Heating and Cooling				3.9%	4.0%	5.0%
RES-E – Electricity Generation				13.7%	14.8%	17.6%
RE-T – Transport				1.9%	2.4%	2.8%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	37	47	51	44	44	
GHGs Emissions	60	70	72	64	64	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	10 182	12 332	12 141	9 736	9 652	
Carbon Intensity – kg CO ₂ /toe	3 342	3 303	3 343	3 002	2 935	
CO ₂ GDP Intensity – ton CO ₂ /M€05	468	367	310	264	264	

Methodology, Sources and Notes: See Appendix 13 – No 5

Greece

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	9.4	10.0	10.3	10.1	9.5	9.6
Solid Fuels	7.5	8.2	8.5	8.2	7.3	7.5
of which Hard Coal						
Petroleum and Products	0.5	0.3	0.1	0.1	0.1	0.1
of which Crude and NGL	0.5	0.3	0.1	0.1	0.1	0.1
Gases	0.1	0.0	0.0	0.0	0.0	0.0
of which Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0
Nuclear						
Renewables	1.3	1.4	1.6	1.8	2.0	2.0
Waste, Non-Renewable	0.0	0.1	0.0	0.0	0.0	0.0
Net Imports	18.3	22.1	23.5	22.6	21.8	20.0
Solid Fuels	0.9	0.8	0.4	0.2	0.4	0.2
of which Hard Coal	0.9	0.8	0.4	0.2	0.4	0.2
Petroleum and Products	17.3	19.7	20.5	19.0	17.5	15.4
of which Crude and NGL	14.9	19.6	18.0	17.0	19.5	16.1
Gases		1.7	2.3	3.0	3.2	4.0
of which Natural Gas		1.7	2.3	3.0	3.2	4.0
Renewables				0.1	0.2	0.2
Electricity	0.1	0.0	0.3	0.4	0.5	0.3
Gross Inland Consumption	23.9	28.3	31.4	30.7	28.8	27.9
Solid Fuels	8.4	9.0	8.9	8.4	7.9	7.9
of which Hard Coal	1.0	0.7	0.3	0.2	0.4	0.2
Petroleum and Products	14.0	16.1	18.1	17.0	15.1	13.5
of which Crude and NGL	15.0	19.7	18.9	17.4	19.6	16.7
Gases	0.1	1.7	2.4	3.0	3.2	4.0
of which Natural Gas	0.0	1.7	2.4	3.0	3.2	4.0
Nuclear						
Renewables	1.3	1.4	1.6	1.9	2.2	2.2
Waste, Non-Renewable	0.0	0.1	0.0	0.0	0.0	0.0
Electricity	0.1	0.0	0.3	0.4	0.5	0.3
Primary Energy Intensity	23.4	27.5	30.6	29.8	27.7	27.0
Final Non-Energy Consumption	0.5	0.7	0.8	0.9	1.1	0.9
Final Energy Consumption	15.7	18.6	20.8	20.5	19.0	18.8
by Fuel/Product						
Solid Fuels	1.0	0.9	0.5	0.2	0.3	0.2
Petroleum and Products	10.7	12.6	14.3	13.7	12.1	11.6
Gases	0.0	0.3	0.6	0.8	0.8	1.1
Solar	0.1	0.1	0.1	0.2	0.2	0.2
Biomass and Renewable Waste	0.9	0.9	1.0	0.9	1.0	1.2
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Waste, Non-Renewable						
Electricity	2.9	3.7	4.4	4.7	4.6	4.5
Derived heat		0.0	0.0	0.0	0.0	0.1
by Sector						
Industry	4.0	4.4	4.2	3.5	3.5	3.3
Transport	6.4	7.2	8.1	9.2	8.2	7.7
Households	3.3	4.5	5.5	4.8	4.6	5.4
Services	0.9	1.3	1.9	2.1	1.9	1.9
Agriculture	1.0	1.1	1.1	0.9	0.8	0.3
Fishing			0.0	0.0	0.0	0.0
Other		0.0				0.3

Methodology, Sources and Notes: See Appendix 13 – No 5

Greece

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	6.4	7.6	9.7	10.2	10.6	11.0
Nuclear						
Hydro	2.5	3.1	3.1	3.0	3.0	3.2
Gross Electricity Generation – TWh	41.6	53.8	60.0	61.4	57.4	59.4
by Fuel						
Solid Fuels	28.7	34.3	35.5	34.2	30.8	31.1
Petroleum and Products	8.9	8.9	9.2	7.7	6.1	5.9
Gases	0.1	5.9	8.2	11.0	9.8	13.9
Nuclear						
Renewables	3.8	4.6	7.0	8.5	10.5	8.4
by Type						
Main Activity Electricity Only	40.7	50.5	51.9	52.0	46.5	47.9
Main Activity CHP Plants	0.0	2.3	7.1	7.4	8.4	8.9
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	0.9	1.0	1.1	2.0	2.5	2.6
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			0.2	0.5	0.6	0.6
CHP Electricity Generation – TWh			1.0	1.8	2.5	2.7
CHP in Total Electricity Generation – %			1.7%	3.0%	4.3%	4.5%
CHP Heat Production – PJ			9.7	10.8	12.7	13.8
Transport Fuels – ktoe						
Final Consumption Petroleum Products	6 431	7 193	8 056	9 105	8 020	7 527
Motor Gasoline	2 863	3 394	4 086	4 248	3 867	3 497
Gas/Diesel Oil	2 023	2 231	2 465	3 093	2 745	2 414
Final Consumption Biofuels				78	128	106
Biogasoline						
Biodiesel				78	128	106
Main Energy Indicators						
Energy Intensity – toe/M€05	179	178	163	151	149	155
Energy per Capita – kgoe/cap	2 244	2 589	2 827	2 720	2 551	2 471
Final Electricity p/cap – kWh/cap	3 205	3 952	4 584	4 849	4 698	4 584
Primary Efficiency – toe/M€05	175	174	159	146	143	150
Import Dependency – %	66.7%	69.5%	68.6%	67.8%	69.1%	65.3%
of Solid Fuels	11.0%	8.5%	4.1%	2.0%	5.1%	2.9%
of Hard Coal	95.2%	105.8%	112.4%	78.6%	100.5%	102.1%
of Petroleum Fuels	98.4%	100.2%	97.7%	96.7%	98.5%	94.5%
of Crude and NGL	98.8%	99.5%	95.2%	98.0%	99.5%	96.5%
of Natural Gas		99.1%	99.1%	99.7%	99.9%	100.0%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				8.6%	9.7%	11.6%
RES-H&C – Heating and Cooling				15.9%	16.2%	20.1%
RES-E – Electricity Generation				10.5%	11.9%	14.6%
RE-T – Transport				1.1%	1.9%	1.8%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	101	117	125	115	108	
GHGs Emissions	125	142	148	136	129	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	9 466	10 723	11 246	10 226	9 569	
Carbon Intensity – kg CO ₂ /toe	4 218	4 142	3 978	3 759	3 752	
CO ₂ GDP Intensity – ton CO ₂ /M€05	753	739	647	566	558	

Methodology, Sources and Notes: See Appendix 13 – No 5

Spain

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	31.4	31.5	30.1	30.1	34.1	31.9
Solid Fuels	10.2	8.0	6.3	3.6	3.0	2.6
of which Hard Coal	8.3	6.5	5.1	3.6	3.0	2.6
Petroleum and Products	0.8	0.2	0.2	0.3	0.4	0.4
of which Crude and NGL	0.8	0.2	0.2	0.1	0.1	0.1
Gases	0.4	0.2	0.2	0.1	0.1	0.0
of which Natural Gas	0.4	0.1	0.1	0.0	0.0	0.0
Nuclear	14.3	16.0	14.8	13.6	16.0	14.9
Renewables	5.5	6.8	8.4	12.3	14.5	13.8
Waste, Non-Renewable	0.2	0.2	0.2	0.3	0.2	0.2
Net Imports	75.5	99.5	124.0	110.2	106.3	104.8
Solid Fuels	8.6	12.8	14.4	9.0	6.7	8.7
of which Hard Coal	8.1	13.3	14.7	9.0	6.8	8.9
Petroleum and Products	59.0	70.9	79.4	70.8	68.9	66.3
of which Crude and NGL	55.4	57.9	60.1	52.8	52.9	52.6
Gases	7.5	15.5	30.2	30.9	30.9	29.4
of which Natural Gas	7.5	15.5	30.2	30.9	30.9	29.4
Renewables				0.2	0.4	0.9
Electricity	0.4	0.4	-0.1	-0.7	-0.7	-0.5
Gross Inland Consumption	102.2	123.8	144.4	130.4	130.0	128.5
Solid Fuels	19.0	20.9	20.6	10.5	7.8	12.5
of which Hard Coal	16.7	19.8	19.8	10.6	8.0	12.6
Petroleum and Products	55.0	64.2	70.6	63.0	60.6	57.9
of which Crude and NGL	55.9	57.5	60.1	53.1	53.2	52.8
Gases	7.8	15.3	29.9	31.3	31.2	29.0
of which Natural Gas	7.7	15.2	29.8	31.2	31.1	29.0
Nuclear	14.3	16.0	14.8	13.6	16.0	14.9
Renewables	5.5	6.8	8.4	12.4	14.9	14.6
Waste, Non-Renewable	0.2	0.2	0.2	0.3	0.2	0.2
Electricity	0.4	0.4	-0.1	-0.7	-0.7	-0.5
Primary Energy Intensity	94.3	114.5	136.0	123.3	122.9	121.8
Final Non-Energy Consumption	7.9	9.4	8.3	7.2	7.0	6.8
Final Energy Consumption	63.7	79.5	97.5	87.7	89.1	86.5
by Fuel/Product						
Solid Fuels	2.2	1.8	1.7	1.2	1.3	1.6
Petroleum and Products	39.2	46.0	53.2	47.6	46.8	44.0
Gases	6.8	12.1	18.0	13.3	14.6	14.4
Solar	0.0	0.0	0.1	0.2	0.2	0.2
Biomass and Renewable Waste	3.2	3.4	3.7	4.8	5.2	5.6
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Waste, Non-Renewable	0.1					
Electricity	12.1	16.2	20.8	20.6	21.0	20.6
Derived heat						
by Sector						
Industry	20.5	25.4	31.0	21.2	21.4	21.2
Transport	26.2	32.9	39.7	37.9	37.2	36.0
Households	10.0	12.0	15.1	15.9	16.9	16.2
Services	4.3	6.7	8.4	9.4	9.8	9.5
Agriculture	2.2	2.6	3.1	2.3	2.2	2.1
Fishing				0.0	0.0	0.0
Other	0.5	0.0	0.2	1.0	1.5	1.5

Methodology, Sources and Notes: See Appendix 13 – No 5

Spain

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	21.9	26.2	40.8	47.8	50.5	49.8
Nuclear	7.1	7.5	7.6	7.4	7.5	7.5
Hydro	16.8	18.0	18.2	18.5	18.5	18.5
Gross Electricity Generation – TWh	167.1	224.5	294.1	294.6	301.5	291.8
by Fuel						
Solid Fuels	65.9	79.1	79.1	35.9	25.3	43.8
Petroleum and Products	14.6	22.6	24.4	19.2	16.6	15.2
Gases	4.9	21.9	80.7	108.8	95.8	85.7
Nuclear	55.5	62.2	57.5	52.8	62.0	57.7
Renewables	25.9	38.0	46.9	76.8	101.0	88.5
by Type						
Main Activity Electricity Only	156.3	196.0	253.9	256.5	262.8	250.8
Main Activity CHP Plants	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer Electricity Only	1.6	2.3	1.5	6.3	9.6	10.5
Autoproducer CHP Plants	9.2	26.1	38.7	31.9	29.2	30.4
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			3.1	3.7	3.4	3.0
CHP Electricity Generation – TWh			22.9	22.0	22.4	22.1
CHP in Total Electricity Generation – %			7.8%	7.5%	7.4%	7.6%
CHP Heat Production – PJ			192.5	172.7	153.3	159.0
Transport Fuels – ktoe						
Final Consumption Petroleum Products	25 824	32 486	38 982	36 439	35 436	33 955
Motor Gasoline	8 969	8 958	7 703	6 156	5 730	5 338
Gas/Diesel Oil	13 279	18 736	25 815	24 807	24 164	22 701
Final Consumption Biofuels		72	258	1 073	1 436	1 721
Biogasoline			113	151	230	225
Biodiesel		72	145	921	1 206	1 496
Main Energy Indicators						
Energy Intensity – toe/M€'05	161	160	159	137	137	135
Energy per Capita – kgoe/cap	2 593	3 076	3 327	2 840	2 821	2 787
Final Electricity p/cap – kWh/cap	3 578	4 681	5 581	5 221	5 313	5 202
Primary Efficiency – toe/M€'05	149	148	150	130	130	128
Import Dependency – %	71.7%	76.7%	81.4%	79.2%	76.8%	76.4%
of Solid Fuels	45.4%	61.3%	70.1%	85.5%	86.0%	70.2%
of Hard Coal	48.5%	66.8%	74.4%	85.0%	85.9%	70.3%
of Petroleum Fuels	101.5%	101.0%	101.2%	98.9%	99.9%	99.8%
of Crude and NGL	99.1%	100.6%	100.1%	99.3%	99.3%	99.7%
of Natural Gas	97.4%	101.6%	101.4%	98.9%	99.4%	101.4%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				12.8%	13.8%	15.1%
RES-H&C – Heating and Cooling				12.8%	12.7%	13.5%
RES-E – Electricity Generation				27.8%	29.5%	31.5%
RE-T – Transport				3.5%	4.7%	5.9%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	271	336	404	337	324	
GHGs Emissions	332	410	473	407	396	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	6 881	8 344	9 310	7 347	7 036	
Carbon Intensity – kg CO ₂ /toe	2 653	2 713	2 798	2 587	2 494	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	428	434	444	355	342	

Methodology, Sources and Notes: See Appendix 13 – No 5

France

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	127.0	129.8	135.9	128.2	134.7	135.4
Solid Fuels	6.0	2.5	0.4	0.1	0.2	0.1
of which Hard Coal	5.4	2.4	0.4	0.1	0.2	0.1
Petroleum and Products	3.1	2.0	1.5	1.6	1.6	1.5
of which Crude and NGL	3.0	1.7	1.2	1.0	0.9	0.9
Gases	2.8	1.5	0.9	0.8	0.6	0.5
of which Natural Gas	2.8	1.5	0.9	0.8	0.6	0.5
Nuclear	97.3	107.1	116.5	105.7	110.5	114.1
Renewables	17.0	15.8	15.5	18.9	20.6	17.9
Waste, Non-Renewable	0.7	0.9	1.1	1.1	1.2	1.2
Net Imports	116.9	134.4	144.4	133.8	132.5	127.9
Solid Fuels	9.1	13.0	13.5	10.3	12.2	10.2
of which Hard Coal	8.7	12.4	12.8	9.9	11.3	9.3
Petroleum and Products	86.3	91.6	95.4	86.8	83.3	83.9
of which Crude and NGL	78.5	87.2	85.6	73.0	65.5	65.2
Gases	27.5	35.8	40.7	38.8	39.6	38.3
of which Natural Gas	27.5	35.8	40.7	38.8	39.6	38.3
Renewables		0.0	-0.1	0.1	0.2	0.4
Electricity	-6.0	-6.0	-5.2	-2.2	-2.6	-4.9
Gross Inland Consumption	241.6	258.0	276.6	259.9	267.5	259.3
Solid Fuels	16.1	15.0	14.3	11.2	12.1	10.3
of which Hard Coal	14.9	14.2	13.8	10.5	11.2	9.4
Petroleum and Products	86.9	89.3	93.4	86.6	83.0	83.2
of which Crude and NGL	82.0	88.5	87.2	74.4	66.7	66.6
Gases	29.6	35.8	41.0	38.5	42.5	37.0
of which Natural Gas	29.6	35.8	41.0	38.5	42.5	37.0
Nuclear	97.3	107.1	116.5	105.7	110.5	114.1
Renewables	17.0	15.8	15.4	19.0	20.8	18.3
Waste, Non-Renewable	0.7	0.9	1.1	1.1	1.2	1.2
Electricity	-6.0	-6.0	-5.2	-2.2	-2.6	-4.9
Primary Energy Intensity	223.8	239.7	260.3	246.3	254.0	245.4
Final Non-Energy Consumption	17.8	18.3	16.4	13.6	13.5	13.9
Final Energy Consumption	144.3	154.8	162.4	153.2	158.7	148.1
by Fuel/Product						
Solid Fuels	6.5	5.8	5.2	3.9	4.5	4.3
Petroleum and Products	70.7	72.7	73.3	67.8	66.8	65.3
Gases	27.3	30.9	33.7	30.6	32.4	27.0
Solar	0.0	0.0	0.0	0.1	0.1	0.1
Biomass and Renewable Waste	9.7	8.8	9.2	11.7	12.6	11.4
Geothermal	0.1	0.1	0.1	0.1	0.1	0.1
Waste, Non-Renewable	0.1	0.2	0.2	0.3	0.2	0.3
Electricity	29.5	33.1	36.4	35.9	38.2	36.1
Derived heat	0.6	3.2	4.2	3.0	3.7	3.7
by Sector						
Industry	37.6	37.3	35.6	29.0	31.0	30.4
Transport	45.4	50.2	50.2	49.8	50.1	50.1
Households	35.7	45.3	43.8	42.7	43.5	36.9
Services	20.5	13.6	20.6	22.3	23.3	20.9
Agriculture	3.6	3.8	3.8	3.8	4.1	4.0
Fishing	0.4	0.4	0.4	0.3	0.3	0.3
Other	1.0	4.1	7.9	5.4	6.4	5.5

Methodology, Sources and Notes: See Appendix 13 – No 5

France

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	23.9	26.1	26.4	25.6	28.8	31.9
Nuclear	58.5	63.2	63.3	63.1	63.1	63.1
Hydro	25.0	25.1	25.1	25.2	25.3	25.3
Gross Electricity Generation – TWh	494.1	540.7	576.2	535.9	569.1	562.0
by Fuel						
Solid Fuels	24.2	27.0	27.5	21.7	23.4	15.1
Petroleum and Products	7.7	7.2	7.9	4.8	5.8	3.5
Gases	6.2	15.4	26.3	22.9	26.7	29.0
Nuclear	377.2	415.2	451.5	409.7	428.5	442.4
Renewables	78.3	75.0	61.3	74.9	83.2	69.9
by Type						
Main Activity Electricity Only	468.8	519.4	543.0	513.8	543.7	534.9
Main Activity CHP Plants	0.0	5.5	11.4	8.5	12.6	11.6
Autoproducer Electricity Only	23.2	5.7	8.4	7.8	7.6	8.4
Autoproducer CHP Plants	2.1	10.2	13.4	5.8	5.8	7.1
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			6.6	5.7	4.6	4.6
CHP Electricity Generation – TWh			23.2	23.4	15.7	15.7
CHP in Total Electricity Generation – %			4.0%	4.3%	2.8%	2.8%
CHP Heat Production – PJ			209.2	197.4	173.9	173.9
Transport Fuels – ktoe						
Final Consumption Petroleum Products	44 417	48 864	48 667	46 155	46 315	46 467
Motor Gasoline	16 392	14 398	11 281	8 614	7 969	7 531
Gas/Diesel Oil	23 209	28 017	30 827	31 116	31 829	32 066
Final Consumption Biofuels	154	325	400	2 466	2 420	2 437
Biogasoline	24	58	70	405	399	396
Biodiesel	130	266	329	2 062	2 022	2 041
Main Energy Indicators						
Energy Intensity – toe/M€05	174	163	161	149	151	144
Energy per Capita – kgoe/cap	4 069	4 248	4 394	4 030	4 126	3 979
Final Electricity p/cap – kWh/cap	5 773	6 338	6 715	6 482	6 851	6 440
Primary Efficiency – toe/M€05	161	151	151	141	143	136
Import Dependency – %	48.0%	51.6%	51.7%	51.0%	49.1%	48.9%
of Solid Fuels	56.8%	86.4%	94.5%	91.7%	101.0%	99.0%
of Hard Coal	58.0%	87.3%	92.9%	94.0%	100.6%	98.8%
of Petroleum Fuels	96.9%	99.5%	99.4%	97.6%	97.7%	98.0%
of Crude and NGL	95.8%	98.5%	98.2%	98.2%	98.2%	97.9%
of Natural Gas	93.0%	100.0%	99.3%	100.9%	93.0%	103.3%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				12.9%	13.5%	11.5%
RES-H&C – Heating and Cooling				15.4%	16.9%	16.7%
RES-E – Electricity Generation				15.0%	14.9%	16.5%
RE-T – Transport				6.1%	6.1%	0.5%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	411	435	447	399	406	
GHGs Emissions	573	589	592	539	546	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	6 915	7 155	7 098	6 181	6 268	
Carbon Intensity – kg CO ₂ /toe	1 699	1 684	1 615	1 534	1 519	
CO ₂ GDP Intensity – ton CO ₂ /M€05	296	274	260	229	229	

Methodology, Sources and Notes: See Appendix 13 – No 5

Italy

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	29.8	28.3	28.1	27.9	30.9	32.5
Solid Fuels	0.0	0.0	0.1	0.0	0.1	0.1
of which Hard Coal			0.1	0.0	0.1	0.1
Petroleum and Products	5.5	4.8	6.5	5.8	6.7	6.6
of which Crude and NGL	5.3	4.6	6.2	4.6	5.2	5.4
Gases	16.6	13.6	9.9	6.6	6.9	6.9
of which Natural Gas	16.3	13.6	9.9	6.6	6.9	6.9
Nuclear						
Renewables	7.5	9.6	11.0	14.7	16.3	17.9
Waste, Non-Renewable	0.2	0.3	0.7	0.7	0.9	1.1
Net Imports	135.6	153.6	161.0	142.6	149.6	142.6
Solid Fuels	13.0	13.1	16.4	12.4	14.3	15.3
of which Hard Coal	12.6	12.9	15.9	12.6	14.5	15.5
Petroleum and Products	90.6	89.1	79.9	68.4	68.1	63.8
of which Crude and NGL	74.6	84.7	89.8	77.2	79.4	73.1
Gases	28.5	47.0	59.8	56.6	61.6	57.5
of which Natural Gas	28.5	47.0	59.8	56.6	61.6	57.5
Renewables	0.2	0.5	0.7	1.3	1.8	2.1
Electricity	3.2	3.8	4.2	3.9	3.8	3.9
Gross Inland Consumption	162.9	175.8	188.5	170.0	175.5	172.9
Solid Fuels	12.3	12.6	16.5	12.8	14.2	15.9
of which Hard Coal	11.9	12.2	16.0	12.9	14.3	16.1
Petroleum and Products	94.7	91.1	84.9	72.7	70.5	68.2
of which Crude and NGL	80.4	89.0	95.5	81.6	84.1	79.6
Gases	44.9	57.9	70.7	63.9	68.1	63.8
of which Natural Gas	44.7	57.9	70.7	63.9	68.1	63.8
Nuclear						
Renewables	7.7	10.1	11.6	16.0	18.0	19.9
Waste, Non-Renewable	0.2	0.3	0.7	0.7	0.9	1.1
Electricity	3.2	3.8	4.2	3.9	3.8	3.9
Primary Energy Intensity	153.2	167.4	179.9	161.5	166.0	161.9
Final Non-Energy Consumption	9.7	8.4	8.6	8.5	9.6	11.0
Final Energy Consumption	114.6	124.7	134.6	121.1	124.8	122.3
by Fuel/Product						
Solid Fuels	3.9	3.6	4.0	1.8	2.9	3.4
Petroleum and Products	54.1	57.8	59.0	51.1	48.9	48.5
Gases	34.7	38.0	40.6	36.1	38.5	35.5
Solar	0.0	0.0	0.0	0.1	0.1	0.1
Biomass and Renewable Waste	1.1	1.5	1.7	3.8	5.0	5.2
Geothermal	0.2	0.2	0.2	0.2	0.1	0.1
Waste, Non-Renewable	0.1	0.1	0.1		0.1	0.2
Electricity	20.5	23.5	25.9	24.9	25.7	26.0
Derived heat			3.1	3.1	3.3	3.2
by Sector						
Industry	36.0	39.7	39.9	29.8	31.1	30.1
Transport	38.6	42.5	44.9	42.3	42.0	42.0
Households	26.3	27.6	31.4	28.9	31.7	31.3
Services	9.8	11.5	15.1	16.9	17.0	15.7
Agriculture	3.0	2.9	3.0	2.8	2.7	2.7
Fishing	0.2	0.3	0.3	0.3	0.2	0.2
Other	0.6	0.2	0.2	0.1	0.2	0.1

Methodology, Sources and Notes: See Appendix 13 – No 5

Italy

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	45.5	54.0	61.9	73.0	74.7	76.0
Nuclear						
Hydro	19.8	20.3	21.0	21.4	21.5	21.7
Gross Electricity Generation – TWh	241.5	276.6	303.7	292.6	302.1	302.6
by Fuel						
Solid Fuels	24.1	26.3	43.6	39.7	39.7	44.7
Petroleum and Products	120.8	85.9	47.1	25.9	21.7	19.9
Gases	50.4	105.6	155.1	150.9	157.4	150.0
Nuclear						
Renewables	45.6	57.6	55.3	73.6	80.3	84.9
by Type						
Main Activity Electricity Only	200.1	216.5	206.9	190.2	188.5	199.3
Main Activity CHP Plants	1.2	60.1	77.0	82.2	89.7	79.7
Autoproducer Electricity Only	12.2	0.0	2.4	2.0	2.1	1.8
Autoproducer CHP Plants	28.0	0.0	17.4	18.2	21.7	21.8
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			5.9	7.7	7.4	7.3
CHP Electricity Generation – TWh			27.4	29.9	34.7	34.7
CHP in Total Electricity Generation – %			9.0%	10.2%	11.5%	11.5%
CHP Heat Production – PJ			193.1	180.8	202.5	202.5
Transport Fuels – ktoe						
Final Consumption Petroleum Products	37 665	41 461	43 454	39 621	38 878	38 817
Motor Gasoline	18 279	17 556	14 175	10 953	10 270	9 904
Gas/Diesel Oil	15 238	18 415	23 821	23 155	22 885	23 095
Final Consumption Biofuels			176	1 180	1 466	1 445
Biogasoline				117	155	144
Biodiesel			176	1 063	1 311	1 301
Main Energy Indicators						
Energy Intensity – toe/M€05	131	129	131	122	124	121
Energy per Capita – kgoe/cap	2 867	3 087	3 217	2 824	2 902	2 848
Final Electricity p/cap – kWh/cap	4 192	4 794	5 134	4 818	4 949	4 971
Primary Efficiency – toe/M€05	123	122	125	116	117	114
Import Dependency – %	82.0%	86.5%	84.4%	82.8%	83.8%	81.3%
of Solid Fuels	105.9%	104.6%	99.4%	97.4%	100.9%	96.1%
of Hard Coal	105.6%	105.7%	99.7%	97.5%	101.5%	96.0%
of Petroleum Fuels	93.3%	96.0%	91.7%	91.2%	92.7%	90.2%
of Crude and NGL	92.8%	95.1%	94.0%	94.6%	94.5%	91.8%
of Natural Gas	63.9%	81.1%	84.7%	88.6%	90.5%	90.2%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				9.1%	10.4%	11.5%
RES-H&C – Heating and Cooling				8.2%	9.5%	11.0%
RES-E – Electricity Generation				18.8%	20.1%	23.5%
RE-T – Transport				3.8%	4.8%	4.7%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	455	475	504	432	443	
GHGs Emissions	542	564	591	508	518	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	8 002	8 336	8 603	7 171	7 317	
Carbon Intensity – kg CO ₂ /toe	2 791	2 700	2 674	2 540	2 521	
CO ₂ GDP Intensity – ton CO ₂ /M€05	365	347	351	310	312	

Methodology, Sources and Notes: See Appendix 13 – No 5

Cyprus

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	0.0	0.0	0.1	0.1	0.1	0.1
Solid Fuels						
of which Hard Coal						
Petroleum and Products				0.0	0.0	0.0
of which Crude and NGL						
Gases						
of which Natural Gas						
Nuclear						
Renewables	0.0	0.0	0.0	0.1	0.1	0.1
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Net Imports	2.0	2.5	2.8	2.9	2.9	2.6
Solid Fuels	0.0	0.0	0.0	0.0	0.0	0.0
of which Hard Coal	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum and Products	2.0	2.5	2.8	2.9	2.9	2.6
of which Crude and NGL	0.8	1.2				
Gases						
of which Natural Gas						
Renewables	0.0	0.0	0.0	0.0	0.0	0.0
Electricity						
Gross Inland Consumption	1.9	2.4	2.5	2.8	2.7	2.7
Solid Fuels	0.0	0.0	0.0	0.0	0.0	0.0
of which Hard Coal	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum and Products	1.9	2.3	2.4	2.7	2.6	2.5
of which Crude and NGL	0.8	1.2				
Gases						
of which Natural Gas						
Nuclear						
Renewables	0.0	0.0	0.1	0.1	0.1	0.1
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Electricity						
Primary Energy Intensity	1.9	2.3	2.4	2.7	2.6	2.6
Final Non-Energy Consumption	0.1	0.1	0.1	0.1	0.1	0.1
Final Energy Consumption	1.4	1.6	1.8	1.9	1.9	1.9
by Fuel/Product						
Solid Fuels	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum and Products	1.2	1.3	1.4	1.4	1.4	1.4
Gases						
Solar	0.0	0.0	0.0	0.1	0.1	0.1
Biomass and Renewable Waste	0.0	0.0	0.0	0.0	0.0	0.0
Geothermal				0.0	0.0	0.0
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Electricity	0.2	0.3	0.3	0.4	0.4	0.4
Derived heat				0.0	0.0	0.0
by Sector						
Industry	0.4	0.4	0.3	0.3	0.2	0.2
Transport	0.8	0.8	1.0	1.0	1.0	1.0
Households	0.1	0.2	0.3	0.3	0.3	0.3
Services	0.1	0.1	0.2	0.2	0.2	0.2
Agriculture	0.0	0.0	0.0	0.0	0.0	0.0
Fishing			0.0	0.0	0.0	0.0
Other	0.1	0.1	0.0	0.1	0.1	0.1

Methodology, Sources and Notes: See Appendix 13 – No 5

Cyprus

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels		1.0	1.1	1.4	1.5	1.6
Nuclear						
Hydro						
Gross Electricity Generation – TWh	2.5	3.4	4.4	5.2	5.3	4.9
by Fuel						
Solid Fuels						
Petroleum and Products	2.5	3.4	4.4	5.2	5.2	4.8
Gases						
Nuclear						
Renewables			0.0	0.0	0.1	0.2
by Type						
Main Activity Electricity Only	2.5	3.4	4.3	5.1	5.2	4.9
Main Activity CHP Plants	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	0.0	0.0	0.0	0.1	0.1	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			0.0	0.0	0.0	0.0
CHP Electricity Generation – TWh			0.0	0.0	0.1	0.0
CHP in Total Electricity Generation – %			0.3%	0.4%	1.0%	0.9%
CHP Heat Production – PJ			0.1	0.1	0.1	0.2
Transport Fuels – ktoe						
Final Consumption Petroleum Products	749	848	969	1 004	1 024	1 027
Motor Gasoline	192	216	318	403	410	405
Gas/Diesel Oil	290	356	352	329	337	321
Final Consumption Biofuels				15	15	16
Biogasoline						
Biodiesel				15	15	16
Main Energy Indicators						
Energy Intensity – toe/M€05	202	206	185	185	177	173
Energy per Capita – kgoe/cap	2 995	3 448	3 409	3 464	3 269	3 140
Final Electricity p/cap – kWh/cap	3 416	4 317	5 362	5 880	5 886	5 548
Primary Efficiency – toe/M€05	196	199	180	180	171	169
Import Dependency – %	100.4%	98.6%	100.7%	96.3%	100.7%	92.4%
of Solid Fuels	100.0%	102.0%	121.1%	123.6%	65.6%	1.7%
of Hard Coal	100.0%	102.0%	121.2%	123.8%	65.4%	
of Petroleum Fuels	102.6%	100.3%	102.3%	98.9%	104.2%	95.8%
of Crude and NGL	96.3%	98.5%				
of Natural Gas						
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				5.3%	5.7%	5.4%
RES-H&C – Heating and Cooling				14.6%	16.3%	18.1%
RES-E – Electricity Generation				0.6%	1.4%	3.4%
RE-T – Transport				2.0%	2.0%	0.0%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	7	9	10	10	9	
GHGs Emissions	11	12	13	13	12	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	10 944	12 380	13 110	12 225	11 443	
Carbon Intensity – kg CO ₂ /toe	3 654	3 590	3 845	3 529	3 501	
CO ₂ GDP Intensity – ton CO ₂ /M€05	739	740	712	653	619	

Methodology, Sources and Notes: See Appendix 13 – No 5

Latvia

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	1.4	1.4	1.9	2.1	2.1	2.1
Solid Fuels	0.1	0.0	0.0	0.0	0.0	0.0
of which Hard Coal						
Petroleum and Products			0.0	0.0	0.0	0.0
of which Crude and NGL						
Gases						
of which Natural Gas						
Nuclear						
Renewables	1.4	1.4	1.9	2.1	2.1	2.1
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Net Imports	3.4	2.2	3.0	2.7	2.0	2.6
Solid Fuels	0.2	0.1	0.1	0.1	0.1	0.1
of which Hard Coal	0.2	0.1	0.1	0.1	0.1	0.1
Petroleum and Products	2.1	1.1	1.7	1.6	1.4	1.5
of which Crude and NGL						
Gases	1.0	1.1	1.4	1.4	0.9	1.4
of which Natural Gas	1.0	1.1	1.4	1.4	0.9	1.4
Renewables	-0.1	-0.2	-0.4	-0.5	-0.6	-0.6
Electricity	0.2	0.2	0.2	0.1	0.1	0.1
Gross Inland Consumption	4.6	3.7	4.5	4.3	4.5	4.2
Solid Fuels	0.3	0.1	0.1	0.1	0.1	0.1
of which Hard Coal	0.2	0.1	0.1	0.1	0.1	0.1
Petroleum and Products	1.9	1.2	1.4	1.3	1.3	1.2
of which Crude and NGL						
Gases	1.0	1.1	1.4	1.2	1.5	1.3
of which Natural Gas	1.0	1.1	1.4	1.2	1.5	1.3
Nuclear						
Renewables	1.3	1.2	1.5	1.6	1.6	1.4
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Electricity	0.2	0.2	0.2	0.1	0.1	0.1
Primary Energy Intensity	4.6	3.7	4.4	4.3	4.5	4.1
Final Non-Energy Consumption	0.0	0.1	0.1	0.1	0.1	0.1
Final Energy Consumption	3.8	3.3	4.0	4.0	4.3	4.0
by Fuel/Product						
Solid Fuels	0.1	0.1	0.1	0.1	0.1	0.1
Petroleum and Products	1.2	1.1	1.3	1.4	1.5	1.4
Gases	0.4	0.3	0.5	0.4	0.5	0.4
Solar						
Biomass and Renewable Waste	0.9	0.8	1.0	1.1	1.1	1.0
Geothermal						
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Electricity	0.4	0.4	0.5	0.5	0.5	0.5
Derived heat	0.9	0.6	0.6	0.5	0.6	0.5
by Sector						
Industry	0.7	0.6	0.7	0.7	0.8	0.7
Transport	0.7	0.7	1.1	1.1	1.2	1.2
Households	1.6	1.3	1.5	1.5	1.5	1.3
Services	0.6	0.5	0.6	0.6	0.6	0.6
Agriculture	0.1	0.1	0.1	0.1	0.1	0.1
Fishing	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0

Methodology, Sources and Notes: See Appendix 13 – No 5

Latvia

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	0.6	0.6	0.6	0.9	1.0	1.0
Nuclear						
Hydro	1.5	1.5	1.5	1.5	1.6	1.6
Gross Electricity Generation – TWh	4.0	4.1	4.9	5.6	6.6	6.1
by Fuel						
Solid Fuels	0.1	0.1		0.0	0.0	0.0
Petroleum and Products	0.4	0.1	0.0	0.0	0.0	0.0
Gases	0.5	1.1	1.5	2.0	3.0	3.0
Nuclear						
Renewables	2.9	2.8	3.4	3.6	3.6	3.1
by Type						
Main Activity Electricity Only	2.9	2.8	3.4	3.5	3.6	3.0
Main Activity CHP Plants	1.0	1.3	1.5	2.0	3.0	3.1
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	0.1	0.0	0.1	0.1	0.1	0.1
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			0.6	0.3	0.9	0.9
CHP Electricity Generation – TWh			1.5	1.1	3.0	2.9
CHP in Total Electricity Generation – %			30.7%	19.7%	45.0%	47.4%
CHP Heat Production – PJ			11.9	4.9	10.4	9.3
Transport Fuels – ktoe						
Final Consumption Petroleum Products	700	735	1 052	1 130	1 173	1 138
Motor Gasoline	430	347	352	326	300	261
Gas/Diesel Oil	242	341	615	681	732	730
Final Consumption Biofuels			3	4	27	41
Biogasoline				3	8	8
Biodiesel			3	2	19	34
Main Energy Indicators						
Energy Intensity – toe/M€'05	694	430	347	345	366	324
Energy per Capita – kgoe/cap	1 861	1 580	2 003	2 021	2 164	2 063
Final Electricity p/cap – kWh/cap	1 797	1 891	2 559	2 849	2 963	3 009
Primary Efficiency – toe/M€'05	688	421	339	339	360	317
Import Dependency – %	70.4%	59.7%	63.0%	58.8%	41.6%	59.0%
of Solid Fuels	61.4%	46.1%	94.3%	91.3%	102.8%	100.3%
of Hard Coal	92.9%	82.5%	96.7%	93.8%	106.6%	102.1%
of Petroleum Fuels	102.6%	94.3%	102.4%	99.4%	93.6%	103.2%
of Crude and NGL						
of Natural Gas	99.0%	101.9%	105.6%	114.1%	61.8%	109.4%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				34.3%	32.6%	33.1%
RES-H&C – Heating and Cooling				47.9%	43.8%	44.7%
RES-E – Electricity Generation				42.0%	42.0%	44.7%
RE-T – Transport				1.2%	3.3%	4.8%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	10	7	9	9	10	
GHGs Emissions	13	10	12	12	13	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	3 860	3 030	3 923	4 001	4 595	
Carbon Intensity – kg CO ₂ /toe	2 074	1 917	1 959	1 980	2 123	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	1 440	824	679	684	776	

Methodology, Sources and Notes: See Appendix 13 – No 5

Lithuania

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	3.8	3.3	3.9	4.2	1.3	1.3
Solid Fuels	0.0	0.0	0.0	0.0	0.0	0.0
of which Hard Coal						
Petroleum and Products	0.1	0.3	0.2	0.1	0.1	0.1
of which Crude and NGL	0.1	0.3	0.2	0.1	0.1	0.1
Gases						
of which Natural Gas						
Nuclear	3.1	2.2	2.7	2.8		
Renewables	0.5	0.7	0.9	1.2	1.2	1.2
Waste, Non-Renewable						
Net Imports	5.6	4.3	5.1	4.4	5.8	5.9
Solid Fuels	0.2	0.1	0.2	0.1	0.2	0.3
of which Hard Coal	0.2	0.1	0.2	0.1	0.2	0.2
Petroleum and Products	3.7	2.3	2.7	2.4	2.7	2.4
of which Crude and NGL	3.2	4.6	9.0	8.4	9.1	9.0
Gases	2.0	2.1	2.5	2.2	2.5	2.7
of which Natural Gas	2.0	2.1	2.5	2.2	2.5	2.7
Renewables	0.0	0.0	0.0	-0.1	-0.1	-0.1
Electricity	-0.2	-0.1	-0.3	-0.3	0.5	0.6
Gross Inland Consumption	8.7	7.2	8.8	8.5	6.9	7.1
Solid Fuels	0.2	0.1	0.2	0.2	0.2	0.2
of which Hard Coal	0.2	0.1	0.2	0.1	0.2	0.2
Petroleum and Products	3.1	2.2	2.8	2.5	2.6	2.5
of which Crude and NGL	3.2	4.9	9.4	8.6	9.1	9.2
Gases	2.0	2.1	2.5	2.2	2.5	2.7
of which Natural Gas	2.0	2.1	2.5	2.2	2.5	2.7
Nuclear	3.1	2.2	2.7	2.8		
Renewables	0.5	0.7	0.9	1.1	1.1	1.1
Waste, Non-Renewable						
Electricity	-0.2	-0.1	-0.3	-0.3	0.5	0.6
Primary Energy Intensity	8.2	6.5	8.0	7.8	6.2	5.8
Final Non-Energy Consumption	0.5	0.7	0.8	0.7	0.7	1.2
Final Energy Consumption	4.6	3.8	4.6	4.6	4.8	4.7
by Fuel/Product						
Solid Fuels	0.2	0.1	0.2	0.2	0.2	0.2
Petroleum and Products	1.7	1.4	1.6	1.6	1.6	1.6
Gases	0.5	0.4	0.5	0.5	0.6	0.5
Solar						
Biomass and Renewable Waste	0.4	0.6	0.7	0.7	0.7	0.7
Geothermal						
Waste, Non-Renewable						
Electricity	0.5	0.5	0.7	0.7	0.7	0.7
Derived heat	1.2	0.8	0.9	0.9	0.9	0.9
by Sector						
Industry	1.0	0.8	1.0	0.8	0.9	0.9
Transport	1.0	1.1	1.4	1.5	1.5	1.5
Households	1.6	1.4	1.5	1.6	1.6	1.5
Services	0.7	0.5	0.6	0.6	0.6	0.6
Agriculture	0.2	0.1	0.1	0.1	0.1	0.1
Fishing			0.0	0.0	0.0	0.0
Other			0.0	0.0	0.0	0.0

Methodology, Sources and Notes: See Appendix 13 – No 5

Lithuania

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	2.5	2.5	2.5	2.5	2.5	2.6
Nuclear	2.7	2.4	1.2	1.2		
Hydro	0.7	0.9	0.9	0.9	0.9	0.9
Gross Electricity Generation – TWh	13.9	11.4	14.8	15.4	5.7	4.8
by Fuel						
Solid Fuels						
Petroleum and Products	1.1	0.7	0.4	0.7	0.6	0.2
Gases	0.2	1.6	3.0	2.1	3.2	2.7
Nuclear	11.8	8.4	10.3	10.9		
Renewables	0.8	0.6	0.8	1.4	1.7	1.7
by Type						
Main Activity Electricity Only	0.8	0.6	0.8	1.3	1.5	1.5
Main Activity CHP Plants	13.1	10.7	13.6	13.4	3.7	2.7
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	0.1	0.1	0.4	0.6	0.6	0.6
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			1.0	1.1	1.1	1.2
CHP Electricity Generation – TWh			2.3	2.1	2.0	1.8
CHP in Total Electricity Generation – %			15.5%	13.9%	34.6%	37.5%
CHP Heat Production – PJ			19.9	16.5	19.3	15.8
Transport Fuels – ktoe						
Final Consumption Petroleum Products	1 032	1 048	1 403	1 418	1 472	1 454
Motor Gasoline	619	391	351	369	298	259
Gas/Diesel Oil	347	511	776	829	945	965
Final Consumption Biofuels			3	52	45	45
Biogasoline			1	14	10	10
Biodiesel			3	38	34	35
Main Energy Indicators						
Energy Intensity – toe/M€'05	760	496	418	392	311	302
Energy per Capita – kgoe/cap	2 402	2 044	2 647	2 704	2 220	2 332
Final Electricity p/cap – kWh/cap	1 751	1 771	2 407	2 652	2 692	2 832
Primary Efficiency – toe/M€'05	712	450	380	359	279	250
Import Dependency – %	63.4%	59.8%	57.0%	50.3%	82.0%	81.8%
of Solid Fuels	64.2%	87.4%	94.2%	79.0%	91.8%	105.5%
of Hard Coal	69.1%	100.0%	102.5%	82.6%	95.2%	111.5%
of Petroleum Fuels	114.1%	100.1%	92.0%	90.1%	98.7%	91.6%
of Crude and NGL	99.5%	94.5%	95.3%	98.4%	99.0%	98.3%
of Natural Gas	100.0%	100.0%	100.6%	100.4%	99.7%	100.3%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				20.0%	19.7%	20.3%
RES-H&C – Heating and Cooling				34.5%	33.0%	33.8%
RES-E – Electricity Generation				5.9%	7.4%	9.0%
RE-T – Transport				4.2%	3.6%	3.7%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	16	12	15	13	14	
GHGs Emissions	23	20	24	20	21	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	4 373	3 555	4 467	4 271	4 670	
Carbon Intensity – kg CO ₂ /toe	1 820	1 739	1 688	1 579	2 103	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	1 383	863	706	620	654	

Methodology, Sources and Notes: See Appendix 13 – No 5

Luxembourg

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	0.0	0.1	0.1	0.1	0.1	0.1
Solid Fuels						
of which Hard Coal						
Petroleum and Products						
of which Crude and NGL						
Gases						0.0
of which Natural Gas						0.0
Nuclear						
Renewables	0.0	0.0	0.1	0.1	0.1	0.1
Waste, Non-Renewable	0.0	0.0	0.0	0.0	0.0	0.0
Net Imports	3.3	3.6	4.7	4.3	4.5	4.5
Solid Fuels	0.5	0.1	0.1	0.1	0.1	0.1
of which Hard Coal	0.1	0.1	0.1	0.1	0.1	0.1
Petroleum and Products	1.8	2.4	3.2	2.8	2.9	2.9
of which Crude and NGL						
Gases	0.6	0.7	1.2	1.1	1.2	1.0
of which Natural Gas	0.6	0.7	1.2	1.1	1.2	1.0
Renewables		0.0	0.0	0.0	0.0	0.0
Electricity	0.4	0.5	0.3	0.3	0.3	0.4
Gross Inland Consumption	3.3	3.7	4.8	4.4	4.7	4.6
Solid Fuels	0.5	0.1	0.1	0.1	0.1	0.1
of which Hard Coal	0.1	0.1	0.1	0.1	0.1	0.1
Petroleum and Products	1.8	2.3	3.2	2.8	2.9	3.0
of which Crude and NGL						
Gases	0.6	0.7	1.2	1.1	1.2	1.0
of which Natural Gas	0.6	0.7	1.2	1.1	1.2	1.0
Nuclear						
Renewables	0.0	0.0	0.1	0.1	0.1	0.1
Waste, Non-Renewable	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	0.4	0.5	0.3	0.3	0.3	0.4
Primary Energy Intensity	3.3	3.6	4.8	4.4	4.6	4.6
Final Non-Energy Consumption	0.0	0.0	0.0	0.0	0.0	0.0
Final Energy Consumption	3.1	3.5	4.4	4.1	4.3	4.3
by Fuel/Product						
Solid Fuels	0.3	0.1	0.1	0.1	0.1	0.1
Petroleum and Products	1.8	2.3	3.1	2.7	2.9	2.9
Gases	0.6	0.6	0.6	0.6	0.7	0.6
Solar			0.0	0.0	0.0	0.0
Biomass and Renewable Waste	0.0	0.0	0.0	0.1	0.1	0.1
Geothermal						
Waste, Non-Renewable		0.0	0.0	0.0	0.0	0.0
Electricity	0.4	0.5	0.5	0.5	0.6	0.6
Derived heat		0.0	0.0	0.0	0.0	0.0
by Sector						
Industry	1.2	0.7	0.7	0.6	0.7	0.7
Transport	1.3	1.9	2.8	2.5	2.6	2.7
Households	0.6	0.5	0.5	0.5	0.5	0.4
Services	0.1	0.4	0.4	0.4	0.4	0.4
Agriculture	0.0	0.0	0.0	0.0	0.0	0.0
Fishing						
Other	0.0	0.0		0.0		

Methodology, Sources and Notes: See Appendix 13 – No 5

Luxembourg

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	0.1	0.1	0.5	0.5	0.5	0.5
Nuclear						
Hydro	1.1	1.1	1.1	1.1	1.1	1.1
Gross Electricity Generation – TWh	1.2	1.2	4.1	3.9	4.6	3.7
by Fuel						
Solid Fuels						
Petroleum and Products	0.0		0.0		0.0	0.0
Gases	0.3	0.2	3.1	2.8	2.9	2.3
Nuclear						
Renewables	0.9	0.9	1.0	1.0	1.6	1.3
by Type						
Main Activity Electricity Only	0.9	0.9	3.7	3.5	4.1	3.2
Main Activity CHP Plants	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer Electricity Only	0.2	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	0.1	0.2	0.4	0.4	0.4	0.4
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			0.1	0.1	0.1	0.1
CHP Electricity Generation – TWh			0.4	0.4	0.4	0.4
CHP in Total Electricity Generation – %			10.1%	10.1%	9.6%	12.1%
CHP Heat Production – PJ			1.2	3.8	3.2	3.1
Transport Fuels – ktoe						
Final Consumption Petroleum Products	1 305	1 925	2 788	2 446	2 571	2 682
Motor Gasoline	541	608	525	396	368	382
Gas/Diesel Oil	571	993	1 828	1 628	1 771	1 892
Final Consumption Biofuels			1	41	41	42
Biogasoline				1	1	4
Biodiesel				40	40	38
Main Energy Indicators						
Energy Intensity – toe/M€05	177	144	159	136	140	136
Energy per Capita – kgoe/cap	8 151	8 366	10 336	8 793	9 176	8 829
Final Electricity p/cap – kWh/cap	12 200	13 215	13 210	12 272	12 964	12 497
Primary Efficiency – toe/M€05	175	142	158	135	139	135
Import Dependency – %	97.7%	99.6%	97.3%	97.4%	97.0%	97.2%
of Solid Fuels	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
of Hard Coal	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
of Petroleum Fuels	98.3%	102.1%	99.4%	100.1%	99.4%	99.6%
of Crude and NGL						
of Natural Gas	100.0%	100.0%	100.0%	100.0%	100.0%	99.9%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				2.9%	2.9%	2.9%
RES-H&C – Heating and Cooling				4.6%	5.0%	5.0%
RES-E – Electricity Generation				4.1%	3.8%	4.1%
RE-T – Transport				2.2%	2.0%	2.0%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	10	10	13	12	12	
GHGs Emissions	11	11	14	13	13	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	23 686	21 911	28 465	23 642	24 351	
Carbon Intensity – kg CO ₂ /toe	2 906	2 619	2 754	2 689	2 654	
CO ₂ GDP Intensity – ton CO ₂ /M€05	514	377	438	365	372	

Methodology, Sources and Notes: See Appendix 13 – No 5

Hungary

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	13.9	11.6	10.3	11.0	11.1	10.8
Solid Fuels	3.3	2.9	1.7	1.6	1.6	1.6
of which Hard Coal						
Petroleum and Products	2.3	1.7	1.4	1.3	1.2	1.0
of which Crude and NGL	2.3	1.7	1.4	1.2	1.1	0.9
Gases	3.8	2.5	2.3	2.3	2.2	2.1
of which Natural Gas	3.8	2.5	2.3	2.3	2.2	2.1
Nuclear	3.6	3.7	3.6	4.0	4.1	4.1
Renewables	0.9	0.8	1.2	1.9	1.9	1.9
Waste, Non-Renewable	0.0	0.0	0.1	0.1	0.1	0.1
Net Imports	12.6	14.0	17.5	14.9	15.1	13.1
Solid Fuels	1.4	1.1	1.3	1.0	1.1	1.0
of which Hard Coal	1.2	1.1	1.3	1.1	1.4	1.3
Petroleum and Products	5.5	5.3	5.9	5.6	5.8	5.4
of which Crude and NGL	6.0	5.9	6.0	5.5	5.8	5.9
Gases	5.5	7.3	9.8	7.8	7.7	6.1
of which Natural Gas	5.5	7.3	9.8	7.8	7.7	6.1
Renewables				0.0	0.0	0.0
Electricity	0.2	0.3	0.5	0.5	0.4	0.6
Gross Inland Consumption	26.3	25.3	27.7	25.4	26.0	25.2
Solid Fuels	4.6	3.9	3.0	2.6	2.7	2.8
of which Hard Coal	1.2	1.1	1.2	1.1	1.4	1.4
Petroleum and Products	7.8	7.0	7.2	7.3	6.9	6.5
of which Crude and NGL	8.3	7.5	7.4	6.8	6.8	6.9
Gases	9.2	9.7	12.1	9.2	9.8	9.4
of which Natural Gas	9.2	9.7	12.1	9.2	9.8	9.4
Nuclear	3.6	3.7	3.6	4.0	4.1	4.1
Renewables	0.9	0.8	1.2	1.8	2.0	1.9
Waste, Non-Renewable	0.0	0.0	0.1	0.1	0.1	0.1
Electricity	0.2	0.3	0.5	0.5	0.4	0.6
Primary Energy Intensity	24.7	23.7	25.5	23.5	24.0	23.3
Final Non-Energy Consumption	1.6	1.6	2.2	1.9	2.0	2.0
Final Energy Consumption	16.2	16.1	18.2	16.4	16.7	16.3
by Fuel/Product						
Solid Fuels	1.2	0.7	0.7	0.5	0.5	0.5
Petroleum and Products	4.2	4.2	4.9	5.0	4.7	4.5
Gases	6.4	6.5	7.9	5.9	6.3	6.0
Solar			0.0	0.0	0.0	0.0
Biomass and Renewable Waste	0.7	0.7	0.6	1.0	1.1	1.1
Geothermal	0.1	0.1	0.1	0.1	0.1	0.1
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Electricity	2.4	2.5	2.8	2.9	2.9	3.0
Derived heat	1.3	1.4	1.3	1.1	1.1	1.0
by Sector						
Industry	3.8	3.5	3.4	2.7	2.9	2.8
Transport	2.7	3.3	4.3	4.8	4.4	4.3
Households	6.3	5.6	6.5	5.5	5.7	5.5
Services	2.6	3.0	3.5	3.0	3.1	3.1
Agriculture	0.7	0.7	0.6	0.4	0.5	0.5
Fishing				0.0	0.0	0.0
Other	0.1	0.0				

Methodology, Sources and Notes: See Appendix 13 – No 5

Hungary

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	5.5	6.4	6.7	6.7	6.6	7.3
Nuclear	1.8	1.9	1.9	1.9	2.0	2.0
Hydro	0.0	0.0	0.0	0.1	0.1	0.1
Gross Electricity Generation – TWh	34.0	35.2	35.8	35.9	37.4	36.0
by Fuel						
Solid Fuels	9.1	9.6	7.0	6.3	6.2	6.5
Petroleum and Products	5.3	4.4	0.5	0.6	0.5	0.1
Gases	5.4	6.7	12.5	10.5	11.7	10.8
Nuclear	14.0	14.2	13.8	15.4	15.8	15.7
Renewables	0.2	0.2	1.9	2.9	3.0	2.7
by Type						
Main Activity Electricity Only	31.8	30.4	27.0	28.6	29.9	28.5
Main Activity CHP Plants	1.4	4.3	8.3	7.0	7.0	6.8
Autoproducer Electricity Only	0.2	0.0	0.0	0.0	0.0	0.1
Autoproducer CHP Plants	0.6	0.5	0.4	0.4	0.4	0.6
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			2.1	0.2	1.9	1.8
CHP Electricity Generation – TWh			6.8	7.4	7.3	6.0
CHP in Total Electricity Generation – %			19.1%	20.5%	19.6%	16.6%
CHP Heat Production – PJ			47.4	42.6	42.2	35.1
Transport Fuels – ktoe						
Final Consumption Petroleum Products	2 572	3 181	4 162	4 511	4 130	4 011
Motor Gasoline	1 500	1 404	1 559	1 598	1 391	1 271
Gas/Diesel Oil	890	1 543	2 307	2 655	2 480	2 476
Final Consumption Biofuels			3	169	175	166
Biogasoline			3	46	57	48
Biodiesel				123	118	117
Main Energy Indicators						
Energy Intensity – toe/M€05	420	350	312	292	295	282
Energy per Capita – kgoe/cap	2 543	2 478	2 747	2 530	2 598	2 531
Final Electricity p/cap – kWh/cap	2 686	2 883	3 206	3 308	3 421	3 464
Primary Efficiency – toe/M€05	394	328	288	270	273	260
Import Dependency – %	48.0%	55.2%	63.2%	58.7%	58.3%	52.0%
of Solid Fuels	29.5%	28.2%	42.8%	37.1%	41.9%	37.6%
of Hard Coal	103.5%	99.0%	105.1%	96.8%	99.5%	95.7%
of Petroleum Fuels	71.1%	76.0%	81.3%	77.6%	84.2%	82.3%
of Crude and NGL	72.0%	78.6%	81.2%	80.8%	85.3%	85.6%
of Natural Gas	60.3%	75.4%	81.1%	85.6%	78.7%	65.6%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				8.2%	8.8%	8.1%
RES-H&C – Heating and Cooling				10.5%	11.1%	12.3%
RES-E – Electricity Generation				7.0%	7.1%	6.4%
RE-T – Transport				4.2%	4.7%	0.5%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	62	59	61	51	52	
GHGs Emissions	79	78	80	68	68	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	6 022	5 813	6 084	5 116	5 207	
Carbon Intensity – kg CO ₂ /toe	2 368	2 346	2 215	2 023	2 004	
CO ₂ GDP Intensity – ton CO ₂ /M€05	994	820	691	590	592	

Methodology, Sources and Notes: See Appendix 13 – No 5

Malta

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production					0.0	0.0
Solid Fuels						
of which Hard Coal						
Petroleum and Products						
of which Crude and NGL						
Gases						
of which Natural Gas						
Nuclear						
Renewables					0.0	0.0
Waste, Non-Renewable						
Net Imports	0.8	1.5	1.6	2.0	2.5	2.5
Solid Fuels						
of which Hard Coal						
Petroleum and Products	0.8	1.5	1.6	2.0	2.5	2.5
of which Crude and NGL						
Gases						
of which Natural Gas						
Renewables						
Electricity						
Gross Inland Consumption	0.8	0.8	1.0	0.8	1.0	1.1
Solid Fuels						
of which Hard Coal						
Petroleum and Products	0.8	0.8	1.0	0.8	0.9	1.1
of which Crude and NGL						
Gases						
of which Natural Gas						
Nuclear						
Renewables					0.0	0.0
Waste, Non-Renewable						
Electricity						
Primary Energy Intensity			0.9	0.8	0.9	1.1
Final Non-Energy Consumption			0.0	0.0	0.0	0.0
Final Energy Consumption	0.3	0.4	0.4	0.4	0.5	0.4
by Fuel/Product						
Solid Fuels						
Petroleum and Products	0.2	0.3	0.2	0.3	0.3	0.3
Gases						
Solar					0.0	
Biomass and Renewable Waste					0.0	0.0
Geothermal						
Waste, Non-Renewable						
Electricity	0.1	0.1	0.2	0.1	0.1	0.2
Derived heat						
by Sector						
Industry	0.0	0.0	0.0	0.1	0.1	0.0
Transport	0.2	0.3	0.2	0.2	0.3	0.3
Households	0.1	0.1	0.1	0.1	0.1	0.1
Services	0.0	0.0	0.0	0.1	0.1	0.1
Agriculture				0.0		
Fishing						
Other		0.0	0.0		0.0	0.0

Methodology, Sources and Notes: See Appendix 13 – No 5

Malta

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels				0.6	0.6	0.6
Nuclear						
Hydro						
Gross Electricity Generation – TWh	1.6	1.9	2.2	2.2	2.1	2.2
by Fuel						
Solid Fuels	0.1					
Petroleum and Products	1.5	1.9	2.2	2.2	2.1	2.2
Gases						
Nuclear						
Renewables						0.0
by Type						
Main Activity Electricity Only	1.6	1.9	2.2	2.2	2.1	2.2
Main Activity CHP Plants	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	0.0	0.0	0.0	0.0	0.0	0.0
Cogeneration Heat and Power						
CHP Electrical Capacity – GW						
CHP Electricity Generation – TWh						
CHP in Total Electricity Generation – %						
CHP Heat Production – PJ						
Transport Fuels – ktoe						
Final Consumption						
Petroleum Products	200	275	197	245	279	268
Motor Gasoline	126	75	71	77	77	77
Gas/Diesel Oil		77	38	77	101	97
Final Consumption Biofuels						
Biogasoline						
Biodiesel						
Main Energy Indicators						
Energy Intensity – toe/M€05	203	173	196	159	174	202
Energy per Capita – kgoe/cap	1 988	2 048	2 401	2 040	2 287	2 691
Final Electricity p/cap – kWh/cap	3 333	4 018	4 854	4 124	3 860	4 331
Primary Efficiency – toe/M€05			192	157	172	201
Import Dependency – %	104.8%	100.3%	100.0%	101.1%	99.1%	100.6%
of Solid Fuels						
of Hard Coal						
of Petroleum Fuels	104.8%	100.3%	100.0%	101.1%	99.3%	100.6%
of Crude and NGL						
of Natural Gas						
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				0.3%	0.4%	0.4%
RES-H&C – Heating and Cooling				2.1%	3.1%	5.6%
RES-E – Electricity Generation					0.1%	0.1%
RE-T – Transport					0.3%	0.0%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	3	4	7	7	6	
GHGs Emissions	3	4	7	7	7	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	8 035	10 065	16 718	16 720	15 101	
Carbon Intensity – kg CO ₂ /toe	4 041	4 913	6 962	8 198	6 603	
CO ₂ GDP Intensity – ton CO ₂ /M€05	819	848	1 368	1 300	1 147	

Methodology, Sources and Notes: See Appendix 13 – No 5

Netherlands

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	66.7	57.6	62.2	63.4	70.1	64.7
Solid Fuels	0.0	0.0	0.0	0.0	0.0	0.0
of which Hard Coal						
Petroleum and Products	3.6	2.4	2.3	2.3	1.9	1.9
of which Crude and NGL	3.6	2.4	2.3	1.7	1.5	1.5
Gases	60.9	52.2	56.3	56.5	63.5	57.9
of which Natural Gas	60.9	52.2	56.3	56.5	63.5	57.9
Nuclear	1.0	1.0	1.0	1.1	1.0	1.1
Renewables	0.9	1.3	1.9	2.8	2.9	3.1
Waste, Non-Renewable	0.3	0.6	0.7	0.7	0.7	0.7
Net Imports	15.4	34.7	38.1	34.9	30.9	29.2
Solid Fuels	8.8	8.0	8.3	9.3	9.2	7.5
of which Hard Coal	9.0	8.0	8.2	9.3	9.1	7.4
Petroleum and Products	32.1	42.4	48.9	46.3	45.6	44.2
of which Crude and NGL	60.0	61.9	62.2	58.8	61.1	57.9
Gases	-26.4	-17.2	-20.9	-21.5	-24.2	-23.5
of which Natural Gas	-26.4	-17.2	-20.9	-21.5	-24.2	-23.5
Renewables	0.0	-0.1	0.3	0.4	0.1	0.2
Electricity	1.0	1.6	1.6	0.4	0.2	0.8
Gross Inland Consumption	73.3	76.6	82.5	81.6	87.0	81.3
Solid Fuels	9.0	7.9	8.2	7.5	7.6	7.5
of which Hard Coal	9.2	7.8	8.2	7.4	7.4	7.3
Petroleum and Products	26.6	29.2	33.5	33.6	35.1	33.6
of which Crude and NGL	64.0	63.4	64.3	60.1	62.6	60.3
Gases	34.5	35.0	35.3	35.1	39.3	34.3
of which Natural Gas	34.5	35.0	35.3	35.1	39.3	34.3
Nuclear	1.0	1.0	1.0	1.1	1.0	1.1
Renewables	0.9	1.2	2.2	3.2	3.1	3.3
Waste, Non-Renewable	0.3	0.6	0.7	0.7	0.7	0.8
Electricity	1.0	1.6	1.6	0.4	0.2	0.8
Primary Energy Intensity	64.0	66.1	69.5	67.0	71.6	67.4
Final Non-Energy Consumption	9.2	10.5	13.0	14.7	15.5	13.9
Final Energy Consumption	48.0	50.5	52.3	50.4	54.0	50.7
by Fuel/Product						
Solid Fuels	1.5	1.3	1.5	1.1	1.3	1.4
Petroleum and Products	14.1	16.5	18.0	17.9	18.3	18.3
Gases	23.0	21.0	20.3	19.5	22.4	18.8
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Biomass and Renewable Waste	0.4	0.3	0.4	0.9	0.7	0.8
Geothermal				0.0	0.0	0.0
Waste, Non-Renewable						
Electricity	7.1	8.4	9.0	8.9	9.2	9.2
Derived heat	1.9	2.9	3.0	2.1	2.1	2.1
by Sector						
Industry	14.0	14.8	15.5	12.9	14.3	14.2
Transport	12.4	14.3	15.2	15.1	15.0	15.3
Households	10.9	10.3	10.1	10.2	11.5	9.8
Services	7.0	7.2	8.0	8.9	9.7	8.2
Agriculture	3.7	3.9	3.5	3.3	3.4	3.2
Fishing				0.1		0.0
Other				0.0		

Methodology, Sources and Notes: See Appendix 13 – No 5

Netherlands

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	18.2	20.1	20.0	23.1	23.7	25.0
Nuclear	0.5	0.4	0.4	0.5	0.5	0.5
Hydro	0.0	0.0	0.0	0.0	0.0	0.0
Gross Electricity Generation – TWh	80.9	89.6	100.2	113.5	118.1	113.0
by Fuel						
Solid Fuels	27.4	24.3	23.5	24.3	22.6	21.4
Petroleum and Products	2.8	2.6	2.3	1.5	1.3	1.5
Gases	44.4	54.4	61.3	71.0	77.4	71.8
Nuclear	4.0	3.9	4.0	4.2	4.0	4.1
Renewables	1.4	3.0	7.4	10.8	11.2	12.3
by Type						
Main Activity Electricity Only	4.8	40.4	39.8	50.1	51.3	54.8
Main Activity CHP Plants	64.3	35.4	45.1	41.6	43.8	34.0
Autoproducer Electricity Only	1.1	2.3	2.7	2.5	2.4	2.6
Autoproducer CHP Plants	10.8	11.5	12.7	19.3	20.6	21.6
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			7.2	9.3	9.3	9.2
CHP Electricity Generation – TWh			29.5	36.4	39.2	36.7
CHP in Total Electricity Generation – %			29.4%	32.1%	33.2%	32.5%
CHP Heat Production – PJ			220.3	223.0	233.6	224.0
Transport Fuels – ktoe						
Final Consumption Petroleum Products	12 249	14 116	15 012	14 587	14 648	14 824
Motor Gasoline	4 228	4 236	4 306	4 249	4 251	4 331
Gas/Diesel Oil	4 572	5 880	6 604	6 435	6 606	6 587
Final Consumption Biofuels				373	229	321
Biogasoline				138	134	149
Biodiesel				235	95	172
Main Energy Indicators						
Energy Intensity – toe/M€'05	186	159	161	151	158	146
Energy per Capita – kgoe/cap	4 739	4 809	5 058	4 938	5 239	4 871
Final Electricity p/cap – kWh/cap	5 349	6 142	6 405	6 290	6 433	6 438
Primary Efficiency – toe/M€'05	162	137	135	124	130	121
Import Dependency – %	18.3%	38.7%	38.4%	36.5%	30.7%	30.4%
of Solid Fuels	97.8%	101.9%	101.4%	124.5%	121.5%	100.8%
of Hard Coal	97.4%	101.5%	100.3%	126.1%	122.3%	101.4%
of Petroleum Fuels	84.8%	99.8%	97.1%	97.1%	93.4%	91.5%
of Crude and NGL	93.8%	97.7%	96.7%	97.9%	97.6%	95.9%
of Natural Gas	-76.4%	-49.1%	-59.3%	-61.2%	-61.6%	-68.6%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				4.2%	3.8%	4.3%
RES-H&C – Heating and Cooling				3.1%	2.8%	3.3%
RES-E – Electricity Generation				9.1%	9.7%	9.8%
RE-T – Transport				4.2%	3.0%	4.6%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	214	222	241	226	235	
GHGs Emissions	267	266	276	255	264	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	13 824	13 966	14 765	13 673	14 122	
Carbon Intensity – kg CO ₂ /toe	2 917	2 904	2 919	2 769	2 696	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	542	462	469	418	427	

Methodology, Sources and Notes: See Appendix 13 – No 5

Austria

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	8.8	9.8	10.0	11.6	12.2	11.6
Solid Fuels	0.3	0.3	0.0	0.0	0.0	0.0
of which Hard Coal	0.0					
Petroleum and Products	1.1	1.1	1.0	1.1	1.1	0.9
of which Crude and NGL	1.1	1.1	1.0	1.1	1.0	0.8
Gases	1.3	1.5	1.4	1.4	1.5	1.5
of which Natural Gas	1.3	1.5	1.4	1.4	1.5	1.5
Nuclear						
Renewables	5.8	6.6	7.1	8.4	8.9	8.4
Waste, Non-Renewable	0.2	0.3	0.4	0.6	0.7	0.8
Net Imports	18.2	19.1	24.6	21.2	21.8	23.5
Solid Fuels	2.6	3.0	4.0	2.7	3.4	3.1
of which Hard Coal	2.0	2.3	3.0	2.2	2.5	2.1
Petroleum and Products	10.3	11.0	13.3	11.5	11.7	11.2
of which Crude and NGL	7.8	7.4	7.9	7.5	6.9	7.5
Gases	5.4	5.3	7.2	6.4	6.1	8.0
of which Natural Gas	5.4	5.3	7.2	6.4	6.1	8.0
Renewables	0.0	0.0	0.0	0.5	0.4	0.5
Electricity	-0.2	-0.1	0.2	0.1	0.2	0.7
Gross Inland Consumption	27.3	29.2	34.4	32.7	35.0	34.0
Solid Fuels	3.5	3.6	4.0	2.9	3.4	3.5
of which Hard Coal	2.3	2.6	2.8	2.3	2.5	2.6
Petroleum and Products	11.6	12.4	14.5	12.8	13.2	12.4
of which Crude and NGL	8.9	8.5	9.0	8.5	8.0	8.5
Gases	6.4	6.5	8.2	7.5	8.2	7.8
of which Natural Gas	6.4	6.5	8.2	7.5	8.2	7.8
Nuclear						
Renewables	5.9	6.6	7.1	8.9	9.3	8.8
Waste, Non-Renewable	0.2	0.3	0.4	0.6	0.7	0.8
Electricity	-0.2	-0.1	0.2	0.1	0.2	0.7
Primary Energy Intensity	25.9	27.5	32.7	30.9	33.2	32.4
Final Non-Energy Consumption	1.4	1.7	1.7	1.8	1.8	1.6
Final Energy Consumption	21.4	23.7	28.1	26.5	28.4	27.3
by Fuel/Product						
Solid Fuels	1.5	1.4	1.4	1.1	1.1	1.1
Petroleum and Products	8.9	9.8	12.1	10.4	10.7	10.2
Gases	3.8	4.5	5.1	4.6	5.1	4.9
Solar	0.0	0.1	0.1	0.2	0.2	0.2
Biomass and Renewable Waste	2.1	2.3	2.8	3.3	3.7	3.5
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Waste, Non-Renewable	0.1	0.1	0.3	0.3	0.4	0.5
Electricity	4.0	4.4	5.0	5.1	5.3	5.3
Derived heat	0.8	1.0	1.4	1.5	1.9	1.7
by Sector						
Industry	6.3	7.2	8.8	8.5	8.9	8.7
Transport	5.9	7.0	9.1	8.6	8.9	8.7
Households	6.3	6.3	6.8	6.2	7.0	6.4
Services	2.3	2.5	2.9	2.6	3.0	2.9
Agriculture	0.5	0.5	0.5	0.5	0.6	0.5
Fishing						0.0
Other						

Methodology, Sources and Notes: See Appendix 13 – No 5

Austria

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	6.1	6.1	6.5	7.3	7.3	8.2
Nuclear						
Hydro	11.3	11.6	11.8	12.7	12.9	13.2
Gross Electricity Generation – TWh	56.2	61.3	66.4	69.1	71.1	65.7
by Fuel						
Solid Fuels	4.3	5.7	7.2	3.8	4.9	5.4
Petroleum and Products	2.1	1.7	1.6	1.1	1.3	1.0
Gases	9.8	8.9	14.3	13.6	16.1	14.3
Nuclear						
Renewables	40.0	44.8	43.0	50.0	48.2	44.4
by Type						
Main Activity Electricity Only	40.7	50.2	54.3	55.8	55.0	51.2
Main Activity CHP Plants	6.8	2.6	3.8	4.8	6.7	5.1
Autoproducer Electricity Only	4.9	5.3	4.5	4.4	4.7	4.4
Autoproducer CHP Plants	3.7	3.1	3.8	4.1	4.7	5.0
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			3.3	2.9	3.2	3.7
CHP Electricity Generation – TWh			10.1	9.1	11.0	10.3
CHP in Total Electricity Generation – %			15.4%	13.2%	15.4%	15.7%
CHP Heat Production – PJ			95.8	98.4	110.6	96.4
Transport Fuels – ktoe						
Final Consumption Petroleum Products	5 543	6 588	8 621	7 677	7 994	7 814
Motor Gasoline	2 515	2 082	2 184	1 877	1 850	1 786
Gas/Diesel Oil	2 551	3 898	5 730	5 116	5 396	5 249
Final Consumption Biofuels	10	16	45	485	478	479
Biogasoline				63	68	66
Biodiesel			31	318	339	335
Main Energy Indicators						
Energy Intensity – toe/M€05	141	129	140	127	133	126
Energy per Capita – kgoe/cap	3 437	3 642	4 182	3 908	4 175	4 032
Final Electricity p/cap – kWh/cap	5 877	6 433	7 088	7 052	7 311	7 308
Primary Efficiency – toe/M€05	134	122	133	120	126	120
Import Dependency – %	66.6%	65.6%	71.4%	65.0%	62.1%	69.3%
of Solid Fuels	75.7%	83.9%	99.3%	96.0%	99.7%	88.3%
of Hard Coal	88.3%	91.6%	106.9%	95.3%	97.5%	82.3%
of Petroleum Fuels	89.3%	89.1%	91.6%	90.4%	88.6%	90.4%
of Crude and NGL	87.6%	87.0%	88.5%	88.0%	86.2%	88.1%
of Natural Gas	84.8%	80.6%	87.7%	85.8%	74.4%	103.2%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				31.0%	30.1%	30.9%
RES-H&C – Heating and Cooling				31.2%	30.8%	31.1%
RES-E – Electricity Generation				68.0%	65.5%	66.1%
RE-T – Transport				6.5%	5.4%	7.6%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	65	68	82	69	74	
GHGs Emissions	81	82	95	82	87	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	8 215	8 449	9 939	8 269	8 867	
Carbon Intensity – kg CO ₂ /toe	2 390	2 320	2 376	2 116	2 124	
CO ₂ GDP Intensity – ton CO ₂ /M€05	338	300	333	269	283	

Methodology, Sources and Notes: See Appendix 13 – No 5

Poland

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	99.4	79.8	78.9	67.9	67.8	68.9
Solid Fuels	91.1	71.3	68.9	56.4	55.4	55.8
of which Hard Coal	78.2	59.2	56.1	44.2	43.8	43.2
Petroleum and Products	0.4	0.9	1.1	1.1	1.2	1.1
of which Crude and NGL	0.3	0.7	0.9	0.7	0.7	0.6
Gases	3.2	3.3	3.9	3.7	3.7	3.9
of which Natural Gas	3.2	3.3	3.9	3.7	3.7	3.8
Nuclear						
Renewables	3.9	3.8	4.5	6.0	6.9	7.4
Waste, Non-Renewable	0.8	0.4	0.5	0.7	0.7	0.8
Net Imports	0.0	9.6	16.4	30.3	32.2	34.5
Solid Fuels	-21.2	-16.4	-13.0	-2.7	-2.8	-0.6
of which Hard Coal	-18.9	-13.8	-9.7	0.8	1.8	4.0
Petroleum and Products	15.7	19.9	22.0	24.8	25.8	25.5
of which Crude and NGL	13.1	18.2	18.0	20.3	22.9	23.9
Gases	5.8	6.6	8.5	8.1	8.9	9.6
of which Natural Gas	5.8	6.6	8.5	8.1	8.9	9.6
Renewables			-0.1	0.2	0.4	0.5
Electricity	-0.2	-0.5	-1.0	-0.2	-0.1	-0.5
Gross Inland Consumption	100.0	89.8	93.1	95.3	101.8	102.2
Solid Fuels	70.3	56.3	54.6	51.5	54.6	54.6
of which Hard Coal	59.7	46.4	45.6	42.6	47.9	46.8
Petroleum and Products	16.2	19.9	22.2	25.0	26.5	26.5
of which Crude and NGL	13.5	18.3	18.5	20.7	23.3	24.6
Gases	9.0	10.0	12.2	12.1	12.8	12.8
of which Natural Gas	9.0	10.0	12.2	12.1	12.8	12.8
Nuclear						
Renewables	3.9	3.8	4.5	6.3	7.3	8.0
Waste, Non-Renewable	0.8	0.4	0.5	0.7	0.7	0.8
Electricity	-0.2	-0.5	-1.0	-0.2	-0.1	-0.5
Primary Energy Intensity	96.3	85.5	88.5	90.7	96.9	97.3
Final Non-Energy Consumption	3.7	4.4	4.5	4.6	4.9	4.9
Final Energy Consumption	62.8	55.6	58.2	61.0	66.5	64.7
by Fuel/Product						
Solid Fuels	22.6	13.5	11.5	11.4	13.4	12.1
Petroleum and Products	11.5	15.3	17.7	19.7	20.6	20.5
Gases	7.8	7.5	8.7	8.7	9.4	9.1
Solar			0.0	0.0	0.0	0.0
Biomass and Renewable Waste	3.7	3.5	3.8	4.6	5.2	5.4
Geothermal		0.0	0.0	0.0	0.0	0.0
Waste, Non-Renewable	0.7	0.4	0.3	0.6	0.6	0.6
Electricity	7.7	8.5	9.1	9.7	10.2	10.5
Derived heat	8.8	6.9	7.1	6.4	7.0	6.4
by Sector						
Industry	23.0	19.0	16.6	14.7	15.4	16.2
Transport	8.2	9.8	12.4	16.6	17.6	17.8
Households	22.7	17.2	18.3	18.6	21.1	19.0
Services	4.2	5.0	6.4	7.6	8.5	8.1
Agriculture	4.8	4.6	4.4	3.5	3.8	3.6
Fishing			0.0	0.0	0.0	0.0
Other	0.0	0.0		0.0	0.0	0.0

Methodology, Sources and Notes: See Appendix 13 – No 5

Poland

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	27.4	28.4	29.8	30.0	29.9	30.4
Nuclear						
Hydro	2.1	2.2	2.3	2.3	2.3	2.3
Gross Electricity Generation – TWh	139.0	145.2	156.9	151.7	157.7	163.5
by Fuel						
Solid Fuels	131.8	135.9	142.2	133.4	136.6	139.9
Petroleum and Products	1.5	1.9	2.8	2.7	2.9	2.5
Gases	1.5	2.7	6.4	6.1	6.5	7.4
Nuclear						
Renewables	3.9	4.3	5.4	9.3	11.5	13.6
by Type						
Main Activity Electricity Only	3.8	4.1	3.9	4.0	5.2	6.0
Main Activity CHP Plants	126.8	133.8	144.9	140.8	144.5	149.2
Autoproducer Electricity Only	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer CHP Plants	8.4	7.2	8.1	6.9	8.0	8.3
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			8.3	8.6	8.7	8.8
CHP Electricity Generation – TWh			26.3	26.1	27.7	27.1
CHP in Total Electricity Generation – %			16.8%	17.2%	17.6%	16.6%
CHP Heat Production – PJ			275.4	258.4	277.1	263.5
Transport Fuels – ktoe						
Final Consumption Petroleum Products	7 779	9 329	11 806	15 360	16 209	16 328
Motor Gasoline	4 518	5 213	4 163	4 289	4 240	4 010
Gas/Diesel Oil	2 777	3 372	5 619	8 768	9 633	10 085
Final Consumption Biofuels			54	656	886	934
Biogasoline			38	188	189	179
Biodiesel			14	387	486	536
Main Energy Indicators						
Energy Intensity – toe/M€'05	620	428	381	322	331	318
Energy per Capita – kgoe/cap	2 613	2 348	2 439	2 498	2 643	2 652
Final Electricity p/cap – kWh/cap	2 343	2 578	2 762	2 953	3 089	3 164
Primary Efficiency – toe/M€'05	597	407	362	306	315	303
Import Dependency – %	0.0%	10.6%	17.6%	31.7%	31.6%	33.7%
of Solid Fuels	-30.2%	-29.1%	-23.9%	-5.2%	-5.2%	-1.1%
of Hard Coal	-31.7%	-29.9%	-21.3%	1.9%	3.7%	8.6%
of Petroleum Fuels	96.0%	98.7%	97.4%	98.3%	96.7%	95.5%
of Crude and NGL	97.1%	99.1%	97.3%	98.0%	98.4%	97.2%
of Natural Gas	64.6%	66.3%	69.7%	67.3%	69.3%	75.1%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				8.9%	9.5%	10.4%
RES-H&C – Heating and Cooling				11.9%	12.0%	13.3%
RES-E – Electricity Generation				5.9%	6.7%	8.2%
RE-T – Transport				4.8%	5.9%	6.5%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	361	318	320	314	334	
GHGs Emissions	434	386	391	384	403	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	9 421	8 307	8 381	8 242	8 683	
Carbon Intensity – kg CO ₂ /toe	3 606	3 538	3 436	3 299	3 286	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	2 235	1 514	1 309	1 062	1 087	

Methodology, Sources and Notes: See Appendix 13 – No 5

Portugal

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	3.4	3.9	3.6	5.0	5.6	5.3
Solid Fuels						
of which Hard Coal						
Petroleum and Products				0.0	0.0	0.0
of which Crude and NGL						
Gases	0.1	0.0				
of which Natural Gas						
Nuclear						
Renewables	3.3	3.8	3.5	4.8	5.4	5.2
Waste, Non-Renewable		0.1	0.1	0.1	0.1	0.1
Net Imports	18.0	21.9	24.8	20.6	18.7	18.9
Solid Fuels	3.8	3.9	3.2	3.1	1.6	2.1
of which Hard Coal	3.8	4.0	3.2	3.1	1.6	2.1
Petroleum and Products	14.1	15.8	17.1	12.8	12.6	12.2
of which Crude and NGL	13.0	11.5	13.4	10.4	11.5	10.6
Gases		2.0	3.9	4.3	4.5	4.5
of which Natural Gas		2.0	3.9	4.3	4.5	4.5
Renewables				0.0	-0.2	-0.2
Electricity	0.1	0.1	0.6	0.4	0.2	0.2
Gross Inland Consumption	20.7	25.1	27.4	24.9	24.4	23.9
Solid Fuels	3.6	3.8	3.3	2.9	1.7	2.2
of which Hard Coal	3.6	3.8	3.3	2.9	1.7	2.2
Petroleum and Products	13.6	15.3	16.1	12.5	12.4	11.7
of which Crude and NGL	13.0	11.7	13.4	10.6	11.6	10.6
Gases	0.1	2.1	3.8	4.2	4.5	4.5
of which Natural Gas		2.0	3.8	4.2	4.5	4.5
Nuclear						
Renewables	3.3	3.8	3.5	4.8	5.5	5.1
Waste, Non-Renewable		0.1	0.1	0.1	0.1	0.1
Electricity	0.1	0.1	0.6	0.4	0.2	0.2
Primary Energy Intensity	18.6	22.8	24.9	23.4	22.6	22.2
Final Non-Energy Consumption	2.1	2.3	2.5	1.5	1.7	1.7
Final Energy Consumption	13.7	17.7	19.0	18.3	18.1	17.3
by Fuel/Product						
Solid Fuels	0.5	0.5	0.0	0.0	0.1	0.0
Petroleum and Products	8.2	10.5	10.8	9.5	9.3	8.6
Gases	0.1	0.9	1.3	1.4	1.6	1.6
Solar	0.0	0.0	0.0	0.0	0.1	0.1
Biomass and Renewable Waste	2.4	2.4	2.5	2.8	2.5	2.5
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Electricity	2.5	3.3	4.0	4.1	4.3	4.2
Derived heat	0.0	0.1	0.3	0.3	0.3	0.3
by Sector						
Industry	4.9	6.3	5.9	5.2	5.4	5.3
Transport	4.9	6.5	7.1	7.3	7.4	6.9
Households	2.6	2.8	3.2	3.2	3.0	2.8
Services	0.9	1.4	2.2	2.0	1.9	1.9
Agriculture	0.5	0.7	0.5	0.4	0.3	0.3
Fishing			0.1	0.1	0.1	0.1
Other				0.0	0.0	0.0

Methodology, Sources and Notes: See Appendix 13 – No 5

Portugal

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	4.9	6.3	7.3	8.8	9.9	9.9
Nuclear						
Hydro	4.4	4.5	5.0	5.1	5.1	5.6
Gross Electricity Generation – TWh	33.3	43.8	46.6	50.2	54.1	52.5
by Fuel						
Solid Fuels	13.4	14.6	15.2	12.9	7.1	9.8
Petroleum and Products	10.3	8.4	8.8	3.3	3.0	2.7
Gases	0.1	7.2	13.6	14.7	14.9	14.9
Nuclear						
Renewables	9.5	13.3	8.6	19.0	28.8	24.7
by Type						
Main Activity Electricity Only	29.7	38.4	40.1	43.3	46.1	43.9
Main Activity CHP Plants	0.5	0.6	1.0	0.3	0.2	0.2
Autoproducer Electricity Only	0.0	0.5	0.7	0.7	0.8	0.9
Autoproducer CHP Plants	3.1	4.3	4.9	5.8	7.0	7.4
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			1.1	1.3	1.3	1.4
CHP Electricity Generation – TWh			5.4	5.5	6.4	6.6
CHP in Total Electricity Generation – %			11.6%	11.0%	11.8%	12.7%
CHP Heat Production – PJ			59.6	61.0	67.2	69.3
Transport Fuels – ktoe						
Final Consumption Petroleum Products	4 843	6 510	7 055	7 067	7 021	6 594
Motor Gasoline	1 986	2 231	1 900	1 528	1 450	1 306
Gas/Diesel Oil	2 234	3 464	4 213	4 428	4 417	4 118
Final Consumption Biofuels				220	300	303
Biogasoline						
Biodiesel				220	300	303
Main Energy Indicators						
Energy Intensity – toe/M€05	172	170	178	160	154	153
Energy per Capita – kgoe/cap	2 059	2 455	2 597	2 344	2 291	2 244
Final Electricity p/cap – kWh/cap	2 872	3 753	4 391	4 501	4 690	4 541
Primary Efficiency – toe/M€05	155	154	161	150	143	142
Import Dependency – %	85.4%	84.9%	88.5%	81.0%	75.4%	77.4%
of Solid Fuels	105.8%	102.9%	96.3%	106.7%	98.3%	97.3%
of Hard Coal	105.9%	103.4%	96.3%	106.8%	98.3%	97.3%
of Petroleum Fuels	100.6%	99.3%	102.3%	99.0%	98.0%	99.9%
of Crude and NGL	100.0%	99.0%	100.2%	98.7%	98.9%	100.7%
of Natural Gas		100.3%	103.8%	101.2%	100.4%	101.6%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				24.6%	24.6%	24.9%
RES-H&C – Heating and Cooling				37.9%	34.5%	35.5%
RES-E – Electricity Generation				38.2%	41.2%	46.5%
RE-T – Transport				3.9%	5.6%	0.4%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	56	68	72	61	57	
GHGs Emissions	73	86	90	79	75	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	5 598	6 679	6 859	5 729	5 344	
Carbon Intensity – kg CO ₂ /toe	2 719	2 720	2 641	2 444	2 332	
CO ₂ GDP Intensity – ton CO ₂ /M€05	467	461	469	392	359	

Methodology, Sources and Notes: See Appendix 13 – No 5

Romania

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	32.7	28.6	28.2	28.6	27.8	27.9
Solid Fuels	7.9	5.6	5.8	6.6	5.9	6.7
of which Hard Coal	0.7	0.2	0.0	0.0	0.0	0.0
Petroleum and Products	7.2	6.4	6.2	4.8	4.5	4.4
of which Crude and NGL	7.1	6.4	5.6	4.7	4.4	4.4
Gases	14.4	11.0	9.7	8.9	8.6	8.7
of which Natural Gas	14.4	11.0	9.7	8.9	8.6	8.7
Nuclear		1.4	1.4	3.0	3.0	3.0
Renewables	2.8	4.0	5.0	5.3	5.7	5.0
Waste, Non-Renewable	0.4	0.1	0.1	0.0	0.0	0.0
Net Imports	14.6	8.1	10.8	7.2	7.7	7.8
Solid Fuels	2.9	1.9	2.9	1.0	1.2	1.1
of which Hard Coal	3.0	1.6	2.4	0.6	0.5	0.6
Petroleum and Products	6.9	3.5	4.0	4.7	4.7	4.3
of which Crude and NGL	8.8	4.8	8.9	7.1	5.9	5.5
Gases	4.8	2.7	4.2	1.6	1.8	2.5
of which Natural Gas	4.8	2.7	4.2	1.6	1.8	2.5
Renewables				0.0	0.1	0.1
Electricity	0.0	-0.1	-0.2	-0.2	-0.2	-0.2
Gross Inland Consumption	47.2	36.8	39.3	35.5	35.7	36.3
Solid Fuels	10.8	7.5	8.8	7.6	7.0	8.2
of which Hard Coal	3.7	1.7	2.4	0.7	0.5	0.6
Petroleum and Products	14.0	10.2	10.4	9.2	9.2	9.1
of which Crude and NGL	16.0	11.1	14.5	11.7	10.5	10.0
Gases	19.2	13.7	13.9	10.6	10.8	11.1
of which Natural Gas	19.2	13.7	13.9	10.6	10.8	11.1
Nuclear		1.4	1.4	3.0	3.0	3.0
Renewables	2.8	4.0	4.9	5.3	5.9	5.1
Waste, Non-Renewable	0.4	0.1	0.1	0.0	0.0	0.0
Electricity	0.0	-0.1	-0.2	-0.2	-0.2	-0.2
Primary Energy Intensity	46.0	34.9	36.8	33.1	33.3	33.9
Final Non-Energy Consumption	1.2	1.9	2.6	2.4	2.3	2.4
Final Energy Consumption	26.9	22.7	25.1	22.4	22.5	22.6
by Fuel/Product						
Solid Fuels	1.6	1.0	1.6	0.8	0.9	0.8
Petroleum and Products	5.7	5.5	7.0	6.7	6.1	6.5
Gases	10.3	6.9	7.8	6.1	6.2	6.2
Solar					0.0	0.0
Biomass and Renewable Waste	1.3	2.7	3.2	3.9	4.0	3.6
Geothermal		0.0	0.0	0.0	0.0	0.0
Waste, Non-Renewable	0.2	0.1	0.1	0.0	0.0	0.0
Electricity	3.1	2.9	3.3	3.2	3.6	3.7
Derived heat	4.7	3.6	2.1	1.6	1.6	1.7
by Sector						
Industry	15.2	9.3	10.3	6.7	6.9	7.1
Transport	3.1	3.4	4.3	5.4	5.0	5.2
Households	6.3	8.4	8.0	8.0	8.1	7.9
Services	0.5	0.7	1.7	1.8	1.9	1.8
Agriculture	1.0	0.4	0.2	0.4	0.4	0.4
Fishing				0.0		
Other	0.9	0.5	0.6	0.2	0.2	0.2

Methodology, Sources and Notes: See Appendix 13 – No 5

Romania

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels		15.1	12.0	11.7	11.6	11.6
Nuclear		0.7	0.7	1.4	1.4	1.4
Hydro		6.1	6.3	6.5	6.5	6.5
Gross Electricity Generation – TWh	59.3	51.9	59.4	58.0	61.0	62.2
by Fuel						
Solid Fuels	20.6	18.9	21.9	21.7	20.7	24.8
Petroleum and Products	5.8	3.4	1.9	1.0	0.7	0.8
Gases	16.0	9.0	9.8	7.7	7.3	8.4
Nuclear		5.5	5.6	11.8	11.6	11.7
Renewables	16.7	14.8	20.2	15.8	20.7	16.5
by Type						
Main Activity Electricity Only	27.2	32.5	41.6	43.5	47.5	46.6
Main Activity CHP Plants	30.6	17.7	15.4	12.2	10.8	12.8
Autoproducer Electricity Only	0.2	0.1	0.2	0.5	0.7	0.6
Autoproducer CHP Plants	1.1	1.2	2.2	1.8	2.0	2.1
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			5.3	4.5	4.6	2.2
CHP Electricity Generation – TWh			15.6	6.3	6.5	7.3
CHP in Total Electricity Generation – %			26.2%	10.8%	10.8%	11.7%
CHP Heat Production – PJ			95.4	66.3	69.0	71.9
Transport Fuels – ktoe						
Final Consumption Petroleum Products	2 879	3 235	4 105	5 050	4 771	4 828
Motor Gasoline	1 060	1 295	1 617	1 512	1 381	1 314
Gas/Diesel Oil	1 572	1 744	2 282	3 227	3 091	3 205
Final Consumption Biofuels				163	115	195
Biogasoline				3	47	47
Biodiesel				38	67	138
Main Energy Indicators						
Energy Intensity – toe/M€'05	759	609	493	387	393	392
Energy per Capita – kgoe/cap	2 082	1 642	1 820	1 654	1 664	1 700
Final Electricity p/cap – kWh/cap	1 603	1 513	1 797	1 752	1 928	1 998
Primary Efficiency – toe/M€'05	739	578	461	361	368	366
Import Dependency – %	30.8%	22.0%	27.6%	20.2%	21.7%	21.3%
of Solid Fuels	26.5%	25.6%	33.4%	13.7%	17.6%	13.8%
of Hard Coal	81.7%	96.0%	102.2%	86.2%	100.8%	96.7%
of Petroleum Fuels	49.2%	34.6%	38.1%	51.1%	51.7%	46.6%
of Crude and NGL	54.9%	43.5%	61.3%	61.0%	56.5%	55.0%
of Natural Gas	24.9%	19.8%	30.1%	15.1%	16.8%	22.2%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				22.6%	23.6%	21.4%
RES-H&C – Heating and Cooling				26.4%	27.2%	24.3%
RES-E – Electricity Generation				30.9%	30.5%	31.1%
RE-T – Transport				1.6%	3.2%	2.1%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	136	101	109	89	88	
GHGs Emissions	182	141	149	124	122	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	5 994	4 519	5 034	4 149	4 096	
Carbon Intensity – kg CO ₂ /toe	2 879	2 753	2 766	2 509	2 462	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	2 186	1 678	1 364	970	967	

Methodology, Sources and Notes: See Appendix 13 – No 5

Slovenia

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	3.0	3.1	3.5	3.7	3.7	3.7
Solid Fuels	1.2	1.1	1.2	1.2	1.2	1.2
of which Hard Coal						
Petroleum and Products	0.0	0.0		0.0	0.0	
of which Crude and NGL	0.0	0.0				
Gases	0.0	0.0	0.0	0.0	0.0	0.0
of which Natural Gas	0.0	0.0	0.0	0.0	0.0	0.0
Nuclear	1.2	1.2	1.5	1.5	1.5	1.6
Renewables	0.5	0.8	0.8	1.0	1.0	0.9
Waste, Non-Renewable		0.0	0.0	0.0	0.0	0.0
Net Imports	3.1	3.4	3.8	3.4	3.6	3.5
Solid Fuels	0.2	0.2	0.3	0.3	0.3	0.3
of which Hard Coal	0.1	0.2	0.3	0.2	0.2	0.2
Petroleum and Products	2.3	2.4	2.6	2.6	2.6	2.6
of which Crude and NGL	0.5	0.1				
Gases	0.8	0.8	0.9	0.8	0.9	0.7
of which Natural Gas	0.8	0.8	0.9	0.8	0.9	0.7
Renewables	0.0			0.0	0.0	0.0
Electricity	-0.1	-0.1	0.0	-0.3	-0.2	-0.1
Gross Inland Consumption	6.1	6.4	7.3	7.1	7.2	7.3
Solid Fuels	1.4	1.3	1.5	1.4	1.5	1.5
of which Hard Coal	0.1	0.2	0.3	0.2	0.2	0.2
Petroleum and Products	2.3	2.4	2.6	2.6	2.6	2.6
of which Crude and NGL	0.5	0.1				
Gases	0.7	0.8	0.9	0.8	0.9	0.7
of which Natural Gas	0.7	0.8	0.9	0.8	0.9	0.7
Nuclear	1.2	1.2	1.5	1.5	1.5	1.6
Renewables	0.5	0.8	0.8	1.0	1.1	0.9
Waste, Non-Renewable		0.0	0.0	0.0	0.0	0.0
Electricity	-0.1	-0.1	0.0	-0.3	-0.2	-0.1
Primary Energy Intensity	5.9	6.2	7.0	6.9	7.0	7.1
Final Non-Energy Consumption	0.1	0.2	0.3	0.2	0.2	0.1
Final Energy Consumption	4.1	4.4	4.9	4.8	5.0	5.0
by Fuel/Product						
Solid Fuels	0.1	0.1	0.1	0.1	0.0	0.1
Petroleum and Products	2.1	2.2	2.4	2.5	2.4	2.5
Gases	0.6	0.6	0.7	0.6	0.6	0.6
Solar				0.0	0.0	0.0
Biomass and Renewable Waste	0.3	0.4	0.4	0.5	0.6	0.5
Geothermal				0.0	0.0	0.0
Waste, Non-Renewable			0.0	0.0	0.0	0.0
Electricity	0.8	0.9	1.1	1.0	1.0	1.1
Derived heat	0.2	0.2	0.2	0.2	0.2	0.2
by Sector						
Industry	1.2	1.4	1.6	1.2	1.3	1.2
Transport	1.3	1.2	1.5	1.8	1.8	1.9
Households	1.2	1.1	1.2	1.2	1.3	1.2
Services	0.4	0.5	0.5	0.5	0.5	0.5
Agriculture		0.1	0.1	0.1	0.1	0.1
Fishing						
Other	0.0	0.0	0.0	0.0	0.0	0.0

Methodology, Sources and Notes: See Appendix 13 – No 5

Slovenia

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	1.1	1.1	1.4	1.3	1.3	1.3
Nuclear	0.7	0.7	0.7	0.7	0.7	0.7
Hydro	0.8	0.8	1.0	1.1	1.3	1.3
Gross Electricity Generation – TWh	12.9	13.6	15.1	16.4	16.4	16.1
by Fuel						
Solid Fuels	4.6	4.6	5.3	5.1	5.3	5.3
Petroleum and Products	0.3	0.1	0.0	0.0	0.0	0.0
Gases	0.0	0.3	0.3	0.6	0.5	0.5
Nuclear	4.8	4.8	5.9	5.7	5.7	6.2
Renewables	3.3	3.9	3.6	4.9	4.9	4.0
by Type						
Main Activity Electricity Only	8.5	9.1	9.8	11.0	10.8	10.6
Main Activity CHP Plants	3.9	3.9	4.7	4.9	5.2	5.1
Autoproducer Electricity Only	0.2	0.2	0.2	0.2	0.2	0.2
Autoproducer CHP Plants	0.4	0.5	0.4	0.3	0.3	0.2
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			0.3	0.3	0.3	0.3
CHP Electricity Generation – TWh			1.1	1.0	1.1	1.1
CHP in Total Electricity Generation – %			7.3%	6.2%	6.9%	7.1%
CHP Heat Production – PJ			15.0	11.2	11.6	11.0
Transport Fuels – ktoe						
Final Consumption Petroleum Products	1 314	1 217	1 458	1 725	1 734	1 878
Motor Gasoline	863	843	684	621	593	595
Gas/Diesel Oil	430	348	750	1 071	1 109	1 251
Final Consumption Biofuels				30	45	35
Biogasoline				2	3	4
Biodiesel				28	42	31
Main Energy Indicators						
Energy Intensity – toe/M€05	312	267	254	230	231	230
Energy per Capita – kgoe/cap	3 049	3 230	3 649	3 485	3 537	3 540
Final Electricity p/cap – kWh/cap	4 698	5 289	6 368	5 531	5 840	6 141
Primary Efficiency – toe/M€05	306	257	243	222	224	226
Import Dependency – %	50.8%	52.6%	52.3%	48.1%	49.4%	48.4%
of Solid Fuels	13.6%	18.7%	21.0%	17.9%	19.2%	17.5%
of Hard Coal	100.0%	100.6%	93.7%	86.5%	101.4%	93.3%
of Petroleum Fuels	97.8%	101.5%	101.3%	98.3%	100.5%	99.5%
of Crude and NGL	95.9%	86.9%				
of Natural Gas	100.6%	99.3%	99.6%	99.7%	99.3%	99.8%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				19.0%	19.9%	18.8%
RES-H&C – Heating and Cooling				24.9%	26.6%	27.3%
RES-E – Electricity Generation				33.8%	32.2%	30.8%
RE-T – Transport				2.0%	2.9%	2.1%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	15	15	17	16	16	
GHGs Emissions	19	19	20	20	20	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	7 585	7 688	8 405	7 949	7 934	
Carbon Intensity – kg CO ₂ /toe	2 488	2 380	2 303	2 281	2 243	
CO ₂ GDP Intensity – ton CO ₂ /M€05	776	636	585	524	518	

Methodology, Sources and Notes: See Appendix 13 – No 5

Slovakia

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	5.1	6.4	6.7	6.1	6.3	6.6
Solid Fuels	1.0	1.0	0.6	0.7	0.6	0.6
of which Hard Coal						
Petroleum and Products	0.1	0.2	0.4	0.4	0.4	0.4
of which Crude and NGL	0.1	0.1	0.0	0.0	0.0	0.0
Gases	0.3	0.1	0.1	0.1	0.1	0.1
of which Natural Gas	0.3	0.1	0.1	0.1	0.1	0.1
Nuclear	3.0	4.3	4.6	3.7	3.8	4.0
Renewables	0.5	0.5	0.9	1.2	1.4	1.4
Waste, Non-Renewable	0.2	0.3	0.1	0.0	0.0	0.0
Net Imports	12.4	11.7	12.5	11.2	11.3	11.2
Solid Fuels	4.1	3.4	3.7	3.2	3.0	3.0
of which Hard Coal	3.1	3.1	3.5	2.9	2.6	2.7
Petroleum and Products	3.6	2.8	3.3	3.0	3.3	3.2
of which Crude and NGL	5.3	5.4	5.5	5.6	5.3	5.9
Gases	4.5	5.7	5.7	4.8	5.0	4.9
of which Natural Gas	4.5	5.7	5.7	4.8	5.0	4.9
Renewables			0.0	0.0	0.0	0.0
Electricity	0.1	-0.2	-0.3	0.1	0.1	0.1
Gross Inland Consumption	18.0	18.0	19.1	16.8	17.9	17.4
Solid Fuels	5.4	4.3	4.2	3.9	3.9	3.7
of which Hard Coal	3.3	3.0	3.3	2.9	2.8	2.7
Petroleum and Products	3.6	3.1	3.8	3.4	3.7	3.6
of which Crude and NGL	5.2	5.5	5.6	5.6	5.3	5.9
Gases	5.2	5.8	5.9	4.4	5.0	4.6
of which Natural Gas	5.2	5.8	5.9	4.4	5.0	4.6
Nuclear	3.0	4.3	4.6	3.7	3.8	4.0
Renewables	0.5	0.5	0.8	1.2	1.4	1.4
Waste, Non-Renewable	0.2	0.3	0.1	0.0	0.0	0.0
Electricity	0.1	-0.2	-0.3	0.1	0.1	0.1
Primary Energy Intensity	16.8	16.3	17.6	15.4	16.6	16.0
Final Non-Energy Consumption	1.2	1.6	1.5	1.4	1.3	1.4
Final Energy Consumption	10.7	10.6	11.1	10.2	11.6	10.8
by Fuel/Product						
Solid Fuels	2.4	1.5	1.3	1.5	1.6	1.5
Petroleum and Products	1.6	1.7	2.2	2.0	2.3	2.2
Gases	3.9	4.5	4.3	3.3	4.1	3.5
Solar			0.0	0.0	0.0	0.0
Biomass and Renewable Waste	0.1	0.1	0.3	0.6	0.6	0.6
Geothermal			0.0	0.0	0.0	0.0
Waste, Non-Renewable	0.1	0.2	0.0	0.0	0.0	0.0
Electricity	1.9	1.9	2.0	2.0	2.1	2.1
Derived heat	0.7	0.6	1.0	0.8	0.9	0.8
by Sector						
Industry	4.3	4.1	4.2	3.6	4.4	4.3
Transport	1.4	1.5	2.4	2.4	2.7	2.7
Households	2.0	2.6	2.5	2.1	2.3	2.1
Services	2.7	2.2	1.8	1.9	2.1	1.6
Agriculture	0.3	0.2	0.2	0.1	0.1	0.2
Fishing						
Other						

Methodology, Sources and Notes: See Appendix 13 – No 5

Slovakia

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	3.2	2.4	3.1	2.8	3.5	3.4
Nuclear	1.8	2.6	2.6	1.8	1.8	1.9
Hydro	2.3	2.4	2.5	2.5	2.5	2.5
Gross Electricity Generation – TWh	26.8	31.2	31.5	26.2	27.9	28.7
by Fuel						
Solid Fuels	6.5	5.6	5.5	3.9	3.6	3.6
Petroleum and Products	0.7	0.2	0.7	0.6	0.6	0.6
Gases	2.9	3.9	2.6	2.4	2.7	3.6
Nuclear	11.4	16.5	17.7	14.1	14.6	15.4
Renewables	5.2	5.0	4.8	5.1	6.3	5.4
by Type						
Main Activity Electricity Only	20.5	23.9	5.4	9.9	10.6	9.7
Main Activity CHP Plants	4.6	5.7	23.6	14.2	15.2	16.5
Autoproducer Electricity Only	0.0	0.0	0.1	0.1	0.1	0.5
Autoproducer CHP Plants	1.7	1.6	2.3	2.0	1.9	2.0
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			1.9	1.6	2.8	2.5
CHP Electricity Generation – TWh			4.8	5.0	4.4	7.0
CHP in Total Electricity Generation – %			15.3%	19.2%	15.9%	24.5%
CHP Heat Production – PJ			33.7	18.7	20.1	26.2
Transport Fuels – ktoe						
Final Consumption Petroleum Products	1 297	1 376	1 729	1 753	2 048	2 006
Motor Gasoline	520	615	670	629	621	582
Gas/Diesel Oil	737	735	1 005	1 078	1 383	1 349
Final Consumption Biofuels			10	168	164	172
Biogasoline				34	31	32
Biodiesel			10	134	133	140
Main Energy Indicators						
Energy Intensity – toe/M€05	700	593	496	363	370	349
Energy per Capita – kgoe/cap	3 347	3 329	3 544	3 102	3 296	3 202
Final Electricity p/cap – kWh/cap	4 052	4 075	4 242	4 263	4 445	4 560
Primary Efficiency – toe/M€05	655	540	456	333	344	320
Import Dependency – %	68.9%	65.0%	65.4%	66.4%	63.0%	64.2%
of Solid Fuels	76.7%	80.2%	88.4%	83.0%	75.7%	81.8%
of Hard Coal	92.9%	103.8%	105.2%	100.7%	91.9%	98.0%
of Petroleum Fuels	100.7%	89.7%	88.4%	88.0%	88.9%	90.2%
of Crude and NGL	101.5%	97.6%	97.7%	99.8%	99.9%	100.2%
of Natural Gas	86.8%	98.8%	97.5%	108.6%	99.9%	104.8%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				10.4%	9.8%	9.7%
RES-H&C – Heating and Cooling				8.5%	8.0%	9.6%
RES-E – Electricity Generation				17.8%	17.8%	19.8%
RE-T – Transport				9.2%	7.8%	0.4%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	45	41	43	36	38	
GHGs Emissions	53	49	51	44	46	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	8 387	7 668	7 936	6 677	7 028	
Carbon Intensity – kg CO ₂ /toe	2 506	2 304	2 239	2 152	2 132	
CO ₂ GDP Intensity – ton CO ₂ /M€05	1 755	1 367	1 111	781	789	

Methodology, Sources and Notes: See Appendix 13 – No 5

Finland

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	13.1	14.8	16.6	16.7	17.5	17.2
Solid Fuels	2.0	1.1	2.1	2.2	1.8	1.7
of which Hard Coal						
Petroleum and Products	0.0	0.1	0.2	0.3	0.3	0.3
of which Crude and NGL						
Gases						
of which Natural Gas						
Nuclear	5.0	5.8	6.0	6.1	5.9	6.0
Renewables	6.1	7.8	8.2	7.9	9.4	9.1
Waste, Non-Renewable	0.0	0.1	0.1	0.1	0.1	0.1
Net Imports	16.1	18.6	19.3	18.7	18.2	19.3
Solid Fuels	3.8	3.5	3.3	3.9	4.0	4.6
of which Hard Coal	3.7	3.2	3.0	3.7	3.7	4.3
Petroleum and Products	8.7	10.6	11.0	10.2	9.6	10.2
of which Crude and NGL	8.8	11.9	10.9	11.8	11.6	12.0
Gases	2.8	3.4	3.6	3.5	3.8	3.4
of which Natural Gas	2.8	3.4	3.6	3.5	3.8	3.4
Renewables			-0.1	0.1	-0.1	0.0
Electricity	0.7	1.0	1.5	1.0	0.9	1.2
Gross Inland Consumption	29.6	32.9	35.1	34.4	37.4	35.7
Solid Fuels	6.1	5.1	4.9	5.3	6.9	5.7
of which Hard Coal	4.1	3.3	2.9	3.3	4.3	3.4
Petroleum and Products	8.9	9.7	10.9	10.3	10.5	10.3
of which Crude and NGL	9.4	11.8	11.2	12.0	11.5	12.1
Gases	2.8	3.4	3.6	3.5	3.8	3.4
of which Natural Gas	2.8	3.4	3.6	3.5	3.8	3.4
Nuclear	5.0	5.8	6.0	6.1	5.9	6.0
Renewables	6.1	7.8	8.1	8.0	9.3	9.1
Waste, Non-Renewable	0.0	0.1	0.1	0.1	0.1	0.1
Electricity	0.7	1.0	1.5	1.0	0.9	1.2
Primary Energy Intensity	28.4	31.8	33.7	32.8	36.0	34.4
Final Non-Energy Consumption	1.2	1.1	1.3	1.6	1.4	1.3
Final Energy Consumption	21.9	24.7	25.5	24.2	26.6	25.2
by Fuel/Product						
Solid Fuels	1.3	1.1	1.0	0.8	0.9	0.9
Petroleum and Products	7.5	8.0	8.3	7.5	7.9	7.6
Gases	1.3	1.2	1.1	0.9	1.0	1.0
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Biomass and Renewable Waste	3.9	4.5	4.2	4.3	4.8	4.7
Geothermal						
Waste, Non-Renewable		0.0	0.0	0.0	0.0	0.0
Electricity	5.6	6.5	6.9	6.6	7.2	6.9
Derived heat	2.1	3.3	4.0	4.1	4.7	4.1
by Sector						
Industry	9.8	12.3	12.0	10.1	11.5	11.2
Transport	4.1	4.4	4.7	4.8	5.0	5.0
Households	5.4	4.5	5.1	5.4	5.9	5.0
Services	1.0	1.6	1.7	1.9	2.0	1.9
Agriculture	0.8	0.8	0.8	0.8	0.7	0.7
Fishing		0.0	0.0	0.0	0.0	0.0
Other	0.7	1.0	1.1	1.2	1.5	1.3

Methodology, Sources and Notes: See Appendix 13 – No 5

Finland

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	9.3	10.7	10.7	10.4	10.6	10.6
Nuclear	2.3	2.6	2.7	2.7	2.7	2.7
Hydro	2.8	2.9	3.0	3.1	3.2	3.2
Gross Electricity Generation – TWh	64.0	70.0	70.6	72.1	80.7	73.5
by Fuel						
Solid Fuels	16.6	12.5	11.0	15.5	20.8	15.2
Petroleum and Products	1.4	0.6	0.5	0.5	0.5	0.4
Gases	7.2	10.8	11.9	10.3	11.8	10.0
Nuclear	19.2	22.5	23.3	23.5	22.8	23.2
Renewables	19.5	23.4	23.5	21.7	24.2	24.2
by Type						
Main Activity Electricity Only	41.1	42.7	41.0	44.5	49.6	45.0
Main Activity CHP Plants	12.2	15.3	18.4	17.6	20.0	17.8
Autoproducer Electricity Only	0.6	2.0	2.1	1.8	1.8	1.9
Autoproducer CHP Plants	10.1	9.9	9.0	8.2	9.2	8.7
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			5.8	5.8	6.2	6.2
CHP Electricity Generation – TWh			27.5	25.8	29.2	26.6
CHP in Total Electricity Generation – %			38.9%	35.8%	36.2%	36.2%
CHP Heat Production – PJ			250.0	240.2	272.8	255.0
Transport Fuels – ktoe						
Final Consumption Petroleum Products	4 075	4 291	4 659	4 558	4 737	4 775
Motor Gasoline	1 983	1 792	1 881	1 635	1 601	1 523
Gas/Diesel Oil	1 638	1 932	2 161	2 227	2 403	2 426
Final Consumption Biofuels				145	142	197
Biogasoline				87	80	88
Biodiesel				59	63	109
Main Energy Indicators						
Energy Intensity – toe/M€'05	270	238	223	216	228	212
Energy per Capita – kgoe/cap	5 786	6 360	6 684	6 434	6 978	6 635
Final Electricity p/cap – kWh/cap	12 768	14 620	15 390	14 437	15 564	14 895
Primary Efficiency – toe/M€'05	260	230	214	206	219	204
Import Dependency – %	53.9%	55.3%	54.2%	54.0%	48.3%	53.8%
of Solid Fuels	63.4%	68.9%	67.7%	73.3%	57.8%	80.9%
of Hard Coal	89.0%	97.7%	102.6%	109.8%	85.5%	126.2%
of Petroleum Fuels	94.7%	101.9%	96.4%	96.5%	89.3%	97.2%
of Crude and NGL	94.1%	101.5%	97.5%	98.2%	101.1%	98.9%
of Natural Gas	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				32.0%	33.0%	31.7%
RES-H&C – Heating and Cooling				43.3%	44.4%	44.3%
RES-E – Electricity Generation				27.2%	27.6%	29.2%
RE-T – Transport				4.1%	3.9%	0.4%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	60	60	59	58	66	
GHGs Emissions	73	72	72	68	77	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	11 716	11 578	11 328	10 778	12 305	
Carbon Intensity – kg CO ₂ /toe	2 025	1 820	1 695	1 675	1 764	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	547	433	377	362	402	

Methodology, Sources and Notes: See Appendix 13 – No 5

Sweden

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	31.4	30.1	34.3	30.0	33.2	32.2
Solid Fuels	0.2	0.2	0.2	0.2	0.2	0.2
of which Hard Coal						
Petroleum and Products	0.0		0.0	0.1	0.1	0.1
of which Crude and NGL	0.0					
Gases	0.0	0.0	0.0	0.0	0.0	0.0
of which Natural Gas						
Nuclear	18.0	14.8	18.7	13.5	14.9	15.6
Renewables	12.8	14.7	14.8	15.8	17.4	15.7
Waste, Non-Renewable	0.2	0.3	0.5	0.5	0.5	0.5
Net Imports	19.3	19.2	20.2	17.8	19.6	18.8
Solid Fuels	2.8	2.4	2.6	1.4	2.5	2.4
of which Hard Coal	2.4	2.1	2.2	1.3	2.3	2.1
Petroleum and Products	15.9	15.6	17.4	14.9	15.4	15.9
of which Crude and NGL	18.1	20.7	20.2	19.2	19.9	18.8
Gases	0.8	0.8	0.8	1.1	1.5	1.2
of which Natural Gas	0.8	0.8	0.8	1.1	1.5	1.2
Renewables						
Electricity	-0.1	0.4	-0.6	0.4	0.2	-0.6
Gross Inland Consumption	50.3	47.7	51.7	45.7	51.5	49.5
Solid Fuels	2.9	2.5	2.6	1.9	2.5	2.5
of which Hard Coal	2.3	2.0	2.1	1.7	2.0	2.1
Petroleum and Products	15.7	14.1	14.9	12.6	14.5	14.6
of which Crude and NGL	18.2	20.6	20.1	19.5	20.1	18.7
Gases	0.8	0.8	0.9	1.1	1.5	1.2
of which Natural Gas	0.8	0.8	0.8	1.1	1.5	1.2
Nuclear	18.0	14.8	18.7	13.5	14.9	15.6
Renewables	12.8	14.7	14.8	15.8	17.4	15.7
Waste, Non-Renewable	0.2	0.3	0.5	0.5	0.5	0.5
Electricity	-0.1	0.4	-0.6	0.4	0.2	-0.6
Primary Energy Intensity	48.3	45.9	49.4	44.0	49.4	47.6
Final Non-Energy Consumption	2.0	1.7	2.3	1.8	2.1	1.9
Final Energy Consumption	34.9	34.9	33.6	31.5	34.5	32.2
by Fuel/Product						
Solid Fuels	1.2	1.1	1.3	0.7	1.2	1.2
Petroleum and Products	13.8	13.2	11.4	9.8	10.1	10.2
Gases	0.6	0.7	0.8	0.6	0.7	0.7
Solar	0.0	0.0	0.0	0.0	0.0	0.0
Biomass and Renewable Waste	5.1	5.3	4.7	5.5	6.1	5.2
Geothermal						
Waste, Non-Renewable	0.0					
Electricity	10.7	11.1	11.2	10.6	11.3	10.7
Derived heat	3.5	3.6	4.2	4.3	5.1	4.1
by Sector						
Industry	13.8	14.3	12.6	11.0	12.6	11.1
Transport	7.7	8.1	8.6	8.5	8.7	9.1
Households	7.7	7.3	7.3	6.9	7.6	7.0
Services	4.8	4.4	4.3	4.2	5.0	4.5
Agriculture	0.8	0.7	0.7	0.7	0.6	0.4
Fishing	0.1	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0

Methodology, Sources and Notes: See Appendix 13 – No 5

Sweden

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	7.3	7.5	7.1	8.3	8.7	6.5
Nuclear	10.1	9.5	9.5	8.8	9.0	9.3
Hydro	16.2	16.5	16.3	16.7	16.7	16.5
Gross Electricity Generation – TWh	148.4	145.3	158.4	136.7	148.6	150.4
by Fuel						
Solid Fuels	2.4	1.7	1.2	1.2	1.8	1.3
Petroleum and Products	3.9	1.5	1.4	0.7	1.8	0.8
Gases	1.3	1.3	1.3	1.9	3.8	2.3
Nuclear	69.9	57.3	72.4	52.2	57.8	60.5
Renewables	70.6	83.2	81.3	79.9	82.2	84.2
by Type						
Main Activity Electricity Only	134.9	136.2	146.4	120.8	128.1	133.1
Main Activity CHP Plants	6.0	4.8	7.1	10.4	13.9	11.2
Autoproducer Electricity Only	3.5	0.4	0.3	0.0	0.0	0.0
Autoproducer CHP Plants	3.9	3.8	4.7	5.6	6.6	6.0
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			3.5	4.5	5.1	4.0
CHP Electricity Generation – TWh			10.7	14.3	18.5	15.1
CHP in Total Electricity Generation – %			6.7%	10.5%	12.5%	10.0%
CHP Heat Production – PJ			132.7	161.4	187.2	171.5
Transport Fuels – ktoe						
Final Consumption Petroleum Products	7 444	7 803	8 194	7 922	8 020	8 347
Motor Gasoline	4 467	4 180	4 140	3 619	3 383	3 125
Gas/Diesel Oil	2 085	2 653	3 133	3 365	3 651	4 240
Final Consumption Biofuels			135	361	380	418
Biogasoline			128	198	203	202
Biodiesel			7	162	177	216
Main Energy Indicators						
Energy Intensity – toe/M€05	229	182	173	151	159	148
Energy per Capita – kgoe/cap	5 700	5 372	5 730	4 918	5 493	5 240
Final Electricity p/cap – kWh/cap	14 112	14 509	14 474	13 269	13 991	13 189
Primary Efficiency – toe/M€05	220	176	166	145	153	142
Import Dependency – %	37.6%	39.2%	37.7%	37.1%	36.7%	36.8%
of Solid Fuels	95.4%	98.2%	97.2%	70.2%	102.2%	94.4%
of Hard Coal	101.5%	107.7%	104.3%	77.6%	115.2%	101.0%
of Petroleum Fuels	95.3%	100.8%	103.8%	101.8%	93.7%	98.6%
of Crude and NGL	99.3%	100.6%	100.4%	98.3%	99.0%	100.5%
of Natural Gas	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				49.4%	49.1%	46.8%
RES-H&C – Heating and Cooling				68.1%	66.2%	64.5%
RES-E – Electricity Generation				58.3%	56.0%	59.6%
RE-T – Transport				7.3%	7.7%	8.8%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	64	61	62	56	62	
GHGs Emissions	79	76	76	69	75	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	7 227	6 856	6 850	6 017	6 575	
Carbon Intensity – kg CO ₂ /toe	1 268	1 276	1 196	1 223	1 197	
CO ₂ GDP Intensity – ton CO ₂ /M€05	290	233	207	184	191	

Methodology, Sources and Notes: See Appendix 13 – No 5

United Kingdom

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Production	254.5	270.1	203.9	157.8	148.0	129.2
Solid Fuels	32.1	18.7	11.9	10.4	10.8	10.9
of which Hard Coal	32.1	18.7	11.9	10.4	10.8	10.9
Petroleum and Products	133.8	129.5	87.5	70.3	64.2	53.0
of which Crude and NGL	133.6	129.4	87.5	70.2	64.0	52.8
Gases	63.7	97.6	79.4	53.7	51.5	40.8
of which Natural Gas	63.7	97.6	79.4	53.7	51.5	40.8
Nuclear	22.9	21.9	21.1	17.8	16.0	17.8
Renewables	1.8	2.3	3.5	5.1	5.2	6.3
Waste, Non-Renewable	0.2	0.2	0.6	0.5	0.4	0.4
Net Imports	-36.4	-39.7	31.7	54.9	60.2	72.4
Solid Fuels	10.5	14.5	27.2	23.0	15.4	19.7
of which Hard Coal	10.3	14.4	26.7	23.0	15.7	20.0
Petroleum and Products	-49.0	-46.0	-2.7	5.9	11.0	19.7
of which Crude and NGL	-43.4	-42.3	-0.2	5.9	9.4	21.4
Gases	0.6	-9.3	6.0	24.7	32.0	31.0
of which Natural Gas	0.6	-9.3	6.0	24.7	32.0	31.0
Renewables			0.4	1.1	1.5	1.5
Electricity	1.4	1.2	0.7	0.2	0.2	0.5
Gross Inland Consumption	221.9	231.7	233.9	207.0	212.2	198.8
Solid Fuels	47.2	36.5	37.7	29.6	30.2	30.6
of which Hard Coal	47.1	36.6	37.3	29.6	30.6	31.3
Petroleum and Products	83.2	82.2	84.4	74.5	73.9	71.4
of which Crude and NGL	91.1	88.2	87.1	76.6	73.6	74.8
Gases	65.1	87.4	85.5	78.1	84.8	70.2
of which Natural Gas	65.1	87.4	85.5	78.1	84.8	70.2
Nuclear	22.9	21.9	21.1	17.8	16.0	17.8
Renewables	1.8	2.3	4.0	6.2	6.7	7.8
Waste, Non-Renewable	0.2	0.2	0.6	0.5	0.4	0.4
Electricity	1.4	1.2	0.7	0.2	0.2	0.5
Primary Energy Intensity	209.4	220.4	222.5	198.7	203.9	190.7
Final Non-Energy Consumption	12.5	11.3	11.4	8.2	8.3	8.0
Final Energy Consumption	142.0	152.6	152.3	136.7	142.5	132.0
by Fuel/Product						
Solid Fuels	8.2	6.0	4.6	4.1	4.0	3.7
Petroleum and Products	60.4	63.0	65.4	60.2	59.9	58.8
Gases	47.1	52.2	50.4	41.6	46.9	38.6
Solar	0.0	0.0	0.0	0.1	0.1	0.1
Biomass and Renewable Waste	0.9	0.6	0.6	1.8	2.1	2.1
Geothermal	0.0	0.0	0.0	0.0	0.0	0.0
Waste, Non-Renewable	0.1	0.0	0.1	0.1	0.1	0.1
Electricity	25.3	28.3	30.0	27.7	28.3	27.3
Derived heat		2.4	1.3	1.2	1.3	1.3
by Sector						
Industry	34.9	36.9	33.4	27.5	28.3	27.6
Transport	47.1	52.3	55.1	52.5	52.0	52.1
Households	39.3	43.0	44.2	39.8	44.6	35.8
Services	16.3	16.8	16.7	14.6	15.0	14.1
Agriculture	1.3	1.1	0.9	0.9	0.9	0.9
Fishing						
Other	3.2	2.4	2.0	1.5	1.6	1.5

Methodology, Sources and Notes: See Appendix 13 – No 5

United Kingdom

Mtoe, unless otherwise stated	1995	2000	2005	2009	2010	2011
Installed Capacity – GW						
Combustible Fuels	52.9	61.2	64.7	67.9	73.0	71.3
Nuclear	12.8	12.5	11.9	10.9	10.9	10.7
Hydro	4.2	4.3	4.3	4.4	4.4	4.4
Gross Electricity Generation – TWh	334.0	377.1	398.4	376.8	381.8	367.8
by Fuel						
Solid Fuels	153.8	120.0	134.6	103.0	107.7	108.6
Petroleum and Products	17.3	8.4	5.3	6.0	4.8	3.7
Gases	65.1	150.4	154.3	167.9	176.8	148.0
Nuclear	89.0	85.1	81.6	69.1	62.1	69.0
Renewables	8.4	12.7	19.9	28.9	29.0	37.3
by Type						
Main Activity Electricity Only	310.3	337.7	353.0	334.8	339.9	324.3
Main Activity CHP Plants	0.0	0.0	0.0	0.0	0.0	0.0
Autoproducer Electricity Only	9.3	12.6	18.2	17.0	16.5	17.7
Autoproducer CHP Plants	14.5	26.8	27.2	25.0	25.3	25.8
Cogeneration Heat and Power						
CHP Electrical Capacity – GW			5.4	5.7	6.1	6.1
CHP Electricity Generation – TWh			27.2	24.5	23.6	23.2
CHP in Total Electricity Generation – %			6.8%	6.5%	6.2%	6.3%
CHP Heat Production – PJ			185.2	155.9	155.5	153.9
Transport Fuels – ktoe						
Final Consumption Petroleum Products	46 396	51 565	54 651	51 197	50 556	50 655
Motor Gasoline	23 071	22 703	19 701	16 246	15 546	14 814
Gas/Diesel Oil	15 214	17 630	21 351	22 158	22 637	22 906
Final Consumption Biofuels			80	970	1 127	1 045
Biogasoline			54	162	319	330
Biodiesel			25	808	809	715
Main Energy Indicators						
Energy Intensity – toe/M€'05	165	145	127	111	112	104
Energy per Capita – kgoe/cap	3 824	3 935	3 883	3 349	3 409	3 169
Final Electricity p/cap – kWh/cap	5 079	5 594	5 789	5 207	5 281	5 069
Primary Efficiency – toe/M€'05	155	138	120	106	107	99
Import Dependency – %	-16.2%	-17.0%	13.4%	26.2%	28.1%	36.0%
of Solid Fuels	22.2%	39.6%	72.1%	77.7%	51.2%	64.1%
of Hard Coal	21.8%	39.4%	71.5%	77.7%	51.4%	63.7%
of Petroleum Fuels	-57.1%	-54.6%	-3.1%	7.6%	14.5%	26.8%
of Crude and NGL	-47.7%	-48.0%	-0.2%	7.7%	12.7%	28.6%
of Natural Gas	1.0%	-10.7%	7.0%	31.6%	37.7%	44.2%
RES of the Gross Final Energy – %						
Overall RES with Aviation Cap				3.0%	3.3%	3.8%
RES-H&C – Heating and Cooling				1.7%	1.8%	2.2%
RES-E – Electricity Generation				6.6%	7.4%	8.7%
RE-T – Transport				2.6%	3.0%	2.9%
Gases Emissions – mio ton CO₂						
CO ₂ Emissions	577	587	597	525	540	
GHGs Emissions	735	707	698	616	631	
Main Emissions Indicators						
CO ₂ per Capita – kg CO ₂ /cap	9 950	9 960	9 908	8 491	8 666	
Carbon Intensity – kg CO ₂ /toe	2 602	2 531	2 551	2 535	2 543	
CO ₂ GDP Intensity – ton CO ₂ /M€'05	428	368	323	281	284	

Methodology, Sources and Notes: See Appendix 13 – No 5

Appendices



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Country nomenclature

Interinstitutional Style Guide (ISG) Country Code	ISG Short Name EN	ISG Short Name, Source Language	ISG Protocol Order	ISO 3166 Alpha-2 Country Codes	Eurostat Partner Code	Eurostat –Sirene Numeric Code
BE	Belgium	Belgique/België	1	BE	0012	09
BG	Bulgaria	Bulgaria*	2	BG	0068	82
CZ	Czech Republic	Česká republika	3	CZ	0061	22
DK	Denmark	Danmark	4	DK	0008	10
DE	Germany	Deutschland	5	DE	0004	04
EE	Estonia	Eesti	6	EE	0053	85
IE	Ireland	Éire/Ireland	7	IE	0007	12
EL	Greece	Elláda*	8	GR	0009	11
ES	Spain	España	9	ES	0042	15
FR	France	France	10	FR	0001	06
IT	Italy	Italia	11	IT	0005	07
CY	Cyprus	Kýpros*	12	CY	0600	21
LV	Latvia	Latvija	13	LV	0055	24
LT	Lithuania	Lietuva	14	LT	0054	25
LU	Luxembourg	Luxembourg	15	LU	0022	13
HU	Hungary	Magyarország	16	HU	0064	23
MT	Malta	Malta	17	MT	0085	27
NL	Netherlands	Nederland	18	NL	0003	08
AT	Austria	Österreich	19	AT	0038	16
PL	Poland	Polska	20	PL	0060	87
PT	Portugal	Portugal	21	PT	0040	14
RO	Romania	România	22	RO	0066	83
SI	Slovenia	Slovenija	23	SI	0091	86
SK	Slovakia	Slovensko	24	SK	0063	26
FI	Finland	Suomi/Finland	25	FI	0032	18
SE	Sweden	Sverige	26	SE	0030	17
UK	United Kingdom	United Kingdom	27	GB	0006	05

* Latin Transliteration

EU Interinstitutional Style Guide (ISG): <http://publications.europa.eu/code/>

Eurostat (ESTAT) Website: <http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home/>

ISO 3166 Country Codes Maintenance Agency: http://www.iso.org/iso/country_codes/iso_3166_code_lists.htm

Main Indicators – EN

Eurostat Sirene Energy database Indicator Code	EN
B_100100	Primary production
B_100200	Recovered products
B_100300	Imports
B_100400	Stock Changes
B_100500	Exports
B_100600	Net imports
B_101700	Final energy consumption
B_100800	Bunkers
B_100900	Gross inland consumption
B_101000	Transformation input
B_101100	Transformation output
B_101200	Exchanges, Transfers, Returns
B_101300	Consumption in Energy Sector
B_101400	Distribution Losses
B_101500	Energy available for final consumption
B_101700	Final Energy Consumption
B_101800	Final Energy Consumption – Industry
B_101805	Iron and Steel
B_101815	Chemical and Petrochemical
B_101820	Non-Metallic Minerals
B_101825	Mining and Quarrying
B_101830	Food and Tobacco
B_101835	Textile and Leather
B_101840	Paper, Pulp and Print
B_101851	Wood and Wood Products
B_101852	Construction
B_101900	Final energy consumption – transport
B_101910	Final energy consumption – rail transport
B_101920	Final energy consumption – road transport
B_101930	Final energy consumption – air transport
B_101940	Final energy consumption – inland navigation
B_102000	Final energy consumption – households, commerce, etc
B_102010	Residential
B_102030	Final energy consumption – agriculture
B_102035	Final energy consumption – services
B_102020	Final energy consumption – fisheries
B_102040	Final energy consumption – other sectors
B_102200	Statistical Difference

Source: Coded, Eurostat's Concepts and Definitions Database
http://ec.europa.eu/eurostat/ramon/index.cfm?targetUrl=DSP_PUB_WELC

Main Indicators – DE

Eurostat Sirene Energy database Indicator Code	DE
B_100100	Primärerzeugung
B_100200	Wiedergewinnung
B_100300	Gesamteinführen
B_100400	Bestandsveränderungen
B_100500	Gesamtausführen
B_100600	Nettoeinführen
B_101700	Energetischer Endverbrauch
B_100800	Bunker
B_100900	Bruttoinlandsverbrauch
B_101000	Umwandlungseinsatz
B_101100	Umwandlungsausstoß
B_101200	Austausch, Übertragung, Rückläufe
B_101300	Verbrauch des Produktionsbereichs Energie
B_101400	Netzverluste
B_101500	Für den Endverbrauch zur Verfügung stehende Energie
B_101700	Energetischer Endverbrauch
B_101800	Energetischer Endverbrauch der Industrie
B_101805	Energetischer Endverbrauch der Stahlindustrie
B_101810	Energetischer Endverbrauch der NE-Metallindustrie
B_101815	Energetischer Endverbrauch der chemischen Industrie
B_101820	Energetischer Endverbrauch der chemischen Industrie
B_101825	Energetischer Endverbrauch der Nahrungs- und Genussmittelindustrie
B_101830	Energetischer Endverbrauch der Nahrungs- und Genussmittelindustrie
B_101835	Energetischer Endverbrauch der Textil-, Lederwaren- und Bekleidungsindustrie
B_101840	Energetischer Endverbrauch der Papier- und Druckindustrie
B_101851	Energetischer Endverbrauch der Holz
B_101852	Energetischer Endverbrauch – Baugewerbe
B_101900	Energetischer Endverbrauch im Verkehrssektor
B_101910	Energetischer Endverbrauch des Bahnverkehrs
B_101920	Energetischer Endverbrauch des Strassenverkehrs
B_101930	Energetischer Endverbrauch des Luftverkehrs
B_101940	Energetischer Endverbrauch der Binnenschifffahrt
B_102000	Energetischer Endverbrauch der Privathaushalte, des Handels usw..
B_102010	Energetischer Endverbrauch der Privathaushalte
B_102030	Energetischer Endverbrauch der Landwirtschaft
B_102035	Energetischer Endverbrauch des Dienstleistungssektors
B_102020	Energetischer Endverbrauch des Fischereisektors
B_102040	Energetischer Endverbrauch anderer Sektoren
B_102200	Statistische Differenz

Main Indicators – FR

Eurostat Sirene Energy database Indicator Code	FR
B_100100	Production primaire
B_100200	Récupération
B_100300	Importations totales
B_100400	Variations de stocks
B_100500	Exportations totales
B_100600	Importations nettes
B_101700	Consommation finale énergétique
B_100800	Soutes maritimes
B_100900	Consommation intérieure brute
B_101000	Entrées en transformation
B_101100	Sorties de transformation
B_101200	Échanges, transferts, restitutions
B_101300	Consommation de la branche énergie
B_101400	Pertes sur les réseaux
B_101500	Disponible pour la consommation finale
B_101700	Consommation finale énergétique
B_101800	Consommation finale énergétique – industrie
B_101805	Consommation finale énergétique – sidérurgie
B_101810	Consommation finale énergétique – métaux non ferreux
B_101815	Consommation finale énergétique – Chimie
B_101820	Consommation finale énergétique – Chimie
B_101825	Consommation finale énergétique – alimentation, boissons, tabac
B_101830	Consommation finale énergétique – alimentation, boissons, tabac
B_101835	Consommation finale énergétique – textile, cuir, habillement
B_101840	Consommation finale énergétique – papier, carton, imprimerie
B_101851	Consommation finale énergétique – Bois
B_101852	Consommation finale énergétique – Construction
B_101900	Consommation finale énergétique – transports
B_101910	Consommation finale énergétique – transports ferroviaires
B_101920	Consommation finale énergétique – transports routiers
B_101930	Consommation finale énergétique – transports aériens
B_101940	Consommation finale énergétique – navigation intérieure
B_102000	Consommation finale énergétique – foyers, etc.
B_102010	Consommation finale énergétique – ménages
B_102030	Consommation finale énergétique – agriculture
B_102035	Consommation finale énergétique – services
B_102020	Consommation finale énergétique – pêche
B_102040	Consommation finale énergétique – autres
B_102200	Écart statistique

Main Products – EN

Eurostat Sirene Energy database Product Code	EN
0000	All products
2000	Solid fuels
2100	Hard coal & derivatives
2111	Hard coal
2112	Patent fuels
2120	Coke
2200	Lignite & derivatives
3000	Total petroleum and products
3100	Crude oil & feedstocks
3105	Crude oil
3110	Crude oil and NGL
3190	Feedstocks
3200	All petroleum products
3220	LPG
3230	Motor spirit
3234	Motor gasoline, Unleaded motor spirit
3240	Kerosenes – jet fuels
3250	Naphtha
3260	Gas/diesel oil
3270A	Residual fuel oil
4000	Gas
4100	Natural gas
4200	Derived gas
5100	Nuclear power
5200	Derived heat
5500	Renewable energies
5510	Hydro power
5520	Wind energy
5530	Solar energy
5535	Tide/wave/ocean energy
5540	Biomass & wastes
5541	Wood & wood waste
5542	Biogas
55431	Municipal solid wastes – RES
5545	Biofuels
5546	Biogasoline
5547	Biodiesel
5550	Geothermal energy
6000	Electrical energy
7100	Industrial waste

Main Products – DE

Eurostat Sirene Energy database Product Code	DE
0000	Alle produkte
2000	Feste Brennstoffe
2100	Steinkohle und Nebenprodukte
2111	Steinkohle
2112	Steinkohlebriketts
2120	Koks
2200	Braunkohle und Nebenprodukte
3000	Rohöl und Mineralölerzeugnisse
3100	Rohöl und Feedstocks
3105	Rohöl
3110	Rohöl und Erdgaskondensate
3190	Feedstocks
3200	Alle Mineralölerzeugnisse
3220	Flüssiggas
3230	Motorenbenzin
3234	Unverbleites Benzin
3240	Petroleum und Flugturbinenkraftstoffe
3250	Rohbenzin
3260	Dieselmotorenkraftstoffe und Destillattheizöle
3270A	Rückstandsheizöle
4000	Gas
4100	Naturgas
4200	Abgeleitete Gase
4100	Kernenergie
5200	Abgeleitete Wärme
5500	Erneuerbare Energien
5510	Wasserkraftenergie
5520	Windenergie
5530	Sonnenenergie
5535	Gezeiten-/Wellen-/Meeresenergie
5540	Biomasse und Abfälle
5541	Holz und Holzabfälle
5542	Biogas
55431	Hausmüll Erneuerbare
5545	Biotreibstoff
5546	Biobenzin
5547	Biodiesel
5550	Geothermische Energie
6000	Elektrizität
7100	Industrieabfälle

Main Products – FR

Eurostat Sirene Energy database Product Code	FR
0000	Tous produits
2000	Combustibles solides
2100	Houille et dérivés solides
2111	Houille
2112	Agglomérés de houille
2120	Coke
2200	Lignite et dérivés
3000	Pétrole brut et produits pétroliers
3100	Pétrole brut et feedstocks
3105	Pétrole brut
3110	Pétrole brut et Liquides de gaz naturel
3190	Feedstocks
3200	Tous produits pétroliers
3220	GPL
3230	Essences moteurs
3234	Essences sans plomb
3240	Pétrole lampant et carburéacteurs
3250	Naphta
3260	Gasoil et fuel oil fluide
3270A	Fuel oil résiduel
4000	Gaz
4100	Gaz naturel
4200	Gaz dérivés
5100	Énergie nucléaire
5200	Chaleur dérivée
5500	Énergies renouvelables
5510	Hydro-électricité
5520	Énergie éolienne
5530	Énergie solaire
5535	Énergie hydrocinétique/houlomotrice/marémotrice
5540	Biomasse/déchets
5541	Bois – déchets de bois
5542	Biogaz
55431	Déchets urbains solide renouvelables
5545	Biocarburants
5546	Bioessence
5547	Biodiesel
5550	Énergie géothermique
6000	Énergie électrique
7100	Déchets industriels

Symbols and Abbreviations

%	per cent
:	data not available
€	euro
0	zero or figure less than half of the unit represented
bbl	barrel
bcm	billion cubic meters
Blank	data not available
CHP	combined heat & power
CO ₂	carbon dioxide
DG	Directorate-General of the European Commission
EEA	European Environment Agency
equiv.	equivalent
ESTAT	Eurostat, Statistical Office of the European Union
GCV	gross calorific value
GDP	gross domestic product
GHG	greenhouse gas
GJ	gigajoule
IEA	International Energy Agency
k	thousand
kgoe	kilogram of oil equivalent
ktoe	kiloton of oil equivalent
kton	kiloton
kWh	kilowatt hour
LPG	liquefied petroleum gas
M€ '2005	millions of euro, chain-linked volumes, reference year 2005, at 2005 exchange rates
m3	cubic meter
mio	million
MS	European Union Member State
MSW	municipal solid waste
Mtoe	million ton of oil equivalent
MW	megawatt
MWh	megawatt hour
NCV	net calorific value
NGL	natural gas liquid
p/cap	per capita
PJ	petajoule
PV	photovoltaic
RES	renewable energy
RES-E	renewable energy – electricity generation
RES-H&C	renewable energy – heating and cooling
RE-T	renewable energy – transport
SI Units	International System of Units
TJ	terajoule
toe	ton of oil equivalent
ton	metric ton, metric tonne, mt
TPES	Total Primary Energy Supply
TWh	terawatt hour
UNFCCC	United Nations Framework Convention on Climate Change
VAT	value added tax

SI Units – Prefixes

Standard Prefixes for the SI Units of Measure

Multiple		Sub-multiple	
10 ¹	deca (da)	10 ⁻¹	deci (d)
10 ²	hecto (h)	10 ⁻²	centi (c)
10 ³	kilo (k)	10 ⁻³	milli (m)
10 ⁶	mega (M)	10 ⁻⁶	micro (μ)
10 ⁹	giga (G)	10 ⁻⁹	nano (n)
10 ¹²	tera (T)	10 ⁻¹²	pico (p)
10 ¹⁵	peta (P)	10 ⁻¹⁵	femto (f)
10 ¹⁸	exa (E)	10 ⁻¹⁸	atto (a)
10 ²¹	zetta (Z)	10 ⁻²¹	zepto (z)
10 ²⁴	yotta (Y)	10 ⁻²⁴	yocto (y)

Conversion Factors

Energy

To:	TJ	Gcal	Mtoe	GWh
	multiply by			
Terajoule (TJ)	1	238.8	2.388 x 10 ⁻⁵	0.2778
Gigacalorie (Gcal)	4.1868 x 10 ⁻³	1	1 x 10 ⁻⁷	1.163 x 10 ⁻³
Million ton of oil equivalent (Mtoe)	4.1868 x 10 ⁴	1 x 10 ⁷	1	11 630
Gigawatt-hour GWh	3.6	860	8.6 x 10 ⁻⁵	1

Volume

To:	l	bbl	gal US	gal UK
	multiply by			
Litre (l)	1	0.6290 x 10 ⁻²	0.2642	0.2200
Barrel (bbl)	158.99	1	42	34.9723
US gallon (gal US)	3.7854	0.2381 x 10 ⁻¹	1	0.8327
UK gallon (gal UK)	4.5461	0.2859 x 10 ⁻¹	1.2009	1

Mass

To:	t	lt	st
	multiply by		
Ton, Tonne (t)	1	0.9842	1.1023
Long ton (lt) UK	1.0160	1	1.1200
Short ton (st) US	0.9072	0.8929	1

Average Calorific Values

Average Calorific Values, Energy Content

		kJ (NCV)	kgoe (NCV)
Hard Coal	1 kg	17 200 – 30 700	0.411 – 0.733
Recovered Hard Coal	1 kg	13 800 – 28 300	0.330 – 0.676
Patent Fuels	1 kg	26 800 – 31 400	0.640 – 0.750
Hard Coke	1 kg	28 500	0.681
Brown Coal	1 kg	5 600 – 10 500	0.134 – 0.251
Black Lignite	1 kg	10 500 – 21 000	0.251 – 0.502
Peat	1 kg	7 800 – 13 800	0.186 – 0.330
Brown Coal Briquettes	1 kg	20 000	0.478
Tar	1 kg	37 700	0.900
Benzol	1 kg	39 500	0.943
Oil Equivalent	1 kg	41 868	1
Crude Oil	1 kg	41 600 – 42 800	0.994 – 1.022
Feedstocks	1 kg	42 500	1.015
Refinery Gas	1 kg	50 000	1.194
LPG	1 kg	46 000	1.099
Motor Spirit	1 kg	44 000	1.051
Kerosenes, Jet Fuel	1 kg	43 000	1.027
Naphtha	1 kg	44 000	1.051
Gas Diesel Oil	1 kg	42 300	1.010
Residual Fuel Oil	1 kg	40 000	0.955
White Spirit	1 kg	44 000	1.051
Lubricants	1 kg	42 300	1.010
Bitumen	1 kg	37 700	0.900
Petroleum Cokes	1 kg	31 400	0.750
Other Petro. Products	1 kg	30 000	0.717
Electrical Energy	1 kWh	3 600	0.086

Glossary

In parenthesis Eurostat Sirene/Eurobase, (Energy database) codes for products (p:) and indicators (B_), as of June 2013.

All Fuels

The code “all fuels”, (p:0000), covers all energy products. These consist of hard coal and derivatives, lignite and derivatives, peat and derivatives, petroleum (crude oil) and petroleum products (such as LPG, refinery gas, motor spirit, kerosene, gas/diesel oil, residual fuel oil), natural gas, manufactured gases, derived heat, renewable energies (such as hydro power, wind energy, biomass, wastes, geothermal energy), electrical energy and nuclear power.

Annual Installed Capacity

Annual installed or new installed capacity of a given source refers to the capacity entering in operation, during a year-long period.

Autoproducer Thermal Power Stations

Autoproducer thermal power stations are defined as undertakings which generate electricity wholly or partly for their own use as an activity which supports their primary activity.

Available for Final Consumption (Energy)

Energy available for final consumption covers the energy made available to final users. This code is calculated as follows: gross inland consumption (B_100900) + transformation output (B_101100) – transformation input (B_101000) + exchanges, transfers, returns (B_101200) – consumption of the energy sector (B_101300) – distribution losses (B_101400).

Biofuels

Liquid or gaseous fuels used primarily for transport, produced from biomass, and wastes (p:5545). Liquid biofuels cover bioethanol (ethanol produced from biomass), biodiesel (diesel produced from biomass or used cooking oil), biomethanol, biodimethylether and bio-oil (a pyrolysis oil fuel produced from biomass).

The code biofuels (p:5545) includes biogasoline (p:5546), biodiesel (p:5547) and other liquid biofuels (p:5548).

Biomass and RES Wastes

Biomass and RES wastes (p:5540), covers organic, non-fossil material of biological origin, which may be used for heat production or electricity generation. They comprise wood and wood waste (p:5541), biogas (p:5542), municipal RES solid waste (p:55431), charcoal (p:5544) and biofuels (p:5545). The non-renewable part of municipal waste (p:55432) and industrial waste (p:7100) are not included here.

Capacity Factor – Annual Average

This is a measure of efficiency, which is defined as the ratio of actual energy output of a source against its annual maximum potential output, or in other words, the energy it would produce if operated at full rated power for 24 hours per day during a year. It is equal to the total annual energy production, divided by the cumulative capacity converted to an average statistical year base.

Carbon Energy Intensity

This is the average emission rate of CO₂ relative to the intensity of the energy activity. It is calculated, in the tables, in kg CO₂ emissions per ton of oil equivalent of energy used.

Carbon GDP Intensity

The average emission rate of CO₂ emissions of an economy relative to its GDP.

CHP – Combined Heat and Power

A combined heat and power unit is an installation in which energy released from fuel combustion is partly used for generating electrical energy and partly for supplying heat for various purposes.

The definition of Combined Heat and Power (CHP) or “cogeneration” implies that heat and electricity are produced simultaneously in one process.

CO₂ Energy Intensity

Vide Carbon Energy Intensity.

Conventional Thermal Power

This is a technology for the production of electricity by fuel combustion. It may or may not include biomass use, which is also considered a renewable source of electricity. Thermal power stations cover conventional public utility power stations for the production of electricity and heat, as well as in auto producer power stations for the generation of electricity and heat sold to third parties only.

Cumulative Installed Capacity

The running sum for consecutive periods of a given installed source. It indicates the total capacity availability in each of those periods.

Electricity Mix

The electricity mix is the proportion of different sources in electricity production. When energy mix is measured at gross inland consumption level, electricity mix is measured at energy transformation level.

Energy Available for Final Consumption

Energy available for final consumption, (B_101500), covers the energy made available to final users. This code is calculated as follows: gross inland consumption + transformation output – transformation input + exchanges, transfers, returns – consumption of the energy sector – distribution losses. It includes final non-energy consumption, (B_101600).

Energy Import Dependency

Energy dependency shows the extent to which a country relies upon imports in order to meet its energy needs. It is calculated using the following formula: net imports (B_100300–B_100500) / (gross inland consumption (B_100900) + bunkers (B_100800)).

Energy Intensity

Energy intensity gives an indication of how efficiently energy is being used to produce added value. It is defined as the ratio of Gross Inland Consumption of energy (B_100900), to Gross Domestic Product.

Energy Mix

The energy mix is the proportion of different sources in energy production, supply side (gross inland consumption level).

Energy Sector Broad Definition

This includes includes the electricity, gas, steam, and air conditioning supply sector as well as the energy commodities production activities, mining and extraction, support activities and manufacture of energy products.

Energy Sector Narrow Definition

This includes includes the electricity, gas, steam, and air conditioning supply sector.

EUROBASE

The Eurostat dissemination database contains the full range of publically available data from Eurostat. It also integrates data from the Sirene Energy database.

Final Energy Consumption (FEC)

Final energy consumption covers energy supplied to the final consumer's door for all energy uses, (B_101700). It excludes deliveries to the energy transformation sector (B_101000...) and to the energy industries themselves (B_101300...). It is the sum of final energy consumption by industry (B_101800), transport (B_101900), household (B_102010), services (B_102035), agriculture/forestry (B_102030), fishing (B_102020) and other unspecified (B_102040).

Final Energy Consumption – Transport

Final energy consumption – transport, (B_101900), covers the consumption in all types of transportation, i.e., rail, road, air transport and inland navigation.

Final Non-Energy Consumption (FNEC)

Final non-energy consumption covers the use of energy products for non-energy purposes (B_101600). It is the sum of final non-energy consumption in the chemical industry, (B_101601) and in non-chemical industries (B_101602).

Gases, Gaseous Fuels

Gases covers fossil natural gas and derived gases, coke oven gas (p:4210), blast furnace gas (p:4220), gas work gas (p:4230), and oxygen steel furnace gas (p:4240). Gases (p:4000) is the sum of natural gas (p:4100) and derived gases (p:4200).

GDP – Gross Domestic Product

The gross domestic product is the value of the output of all goods and services produced within the borders of a country.

The income measure of gross domestic product (GDP) is derived as compensation of employees plus gross operating surplus plus gross mixed incomes plus taxes less subsidies on both production and imports.

GDP at Constant Market Prices

GDP values used were referenced to the year 2005 in millions of euro chain-linked volumes, (at 2005 exchange rates).

GHG – Green Houses Gases

GHG includes gases that contribute to the natural greenhouse effect. The Kyoto Protocol covers a basket of six greenhouse gases (GHGs) produced by human activities: Carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons and sulphur hexafluoride.

Gross Calorific Value (GCV)

The gross calorific value is the total amount of heat released by a unit quantity of fuel, when it is burned completely with oxygen, and when the products of combustion are returned to ambient temperature. This quantity includes the heat of condensation of any water vapour contained in the fuel and of the water vapour formed by the combustion of any hydrogen contained in the fuel.

Gross Electricity Generation

The gross electricity generation is measured at the outlet of the main transformers, i.e. the consumption of electricity in the plant auxiliaries and in transformers is included.

Gross Electricity Generation Penetration Level

Electricity penetration level refers to the fraction of gross electricity production of a source, compared with the total gross electricity generation of all sources.

Gross Final Consumption of Energy

Gross final consumption of energy means the energy commodities delivered for energy purposes, including the consumption of electricity and heat, by the energy branch for electricity and heat production including losses of electricity and heat in distribution. It excludes the final non energy use (FNEC).

The gross (overall) final consumption of energy from renewable sources is calculated as the sum of: (a) gross final consumption of electricity from renewable energy sources; (b) gross final consumption of energy from renewable sources for heating and cooling; and (c) final consumption of energy from renewable sources in transport.

Gross Heat Produced

This is the total heat produced, including losses in the installations/network heat exchanges, as well as heat from chemical processes used as the primary energy form. Autoproducer heat used by the undertaking for its own processes is not included here. Only heat sold to third parties should be reported.

Gross Inland Consumption (GIC)

Gross inland consumption represents the quantity of energy necessary to satisfy inland consumption of the geographical entity under consideration, (B_100900). It is calculated using the following formula: primary production (B_100100) + recovered products (B_100200) + imports (B_100300) + stock changes (B_100400) – exports (B_100500) – international marine bunkers (B_100800).

Gross Installed (Electricity) Capacity

Covers the gross installed electrical capacity of thermal, nuclear, hydro, geothermal, wind and any other type of power plants.

Intermittent Energy

An intermittent energy source is any source of energy that is not continuously available due to factors outside the energy producer's direct control. Solar, wind and tide energy sources are considered intermittent. Due to tide data disaggregation difficulties, the tables only consider solar and wind energy sources.

ISIC

The International Standard Industrial Classification of All Economic Activities is a United Nations system for classifying economic activity data, in the fields of production, employment, gross domestic product and other statistical areas.

ISG

The Interinstitutional Style Guide is intended to serve as a reference tool for written works for all European Union institutions, bodies and organisations, representing an achievement in linguistic harmonisation.

Inhabitants

The group of persons fulfilling the requirements for legal permanent residency in a region/country.

LFS

The EU Labour Force Survey (LFS) is a large sample survey among private households which provides detailed annual and quarterly data on:

Employment, Unemployment and Inactivity.

The LFS is an important source of information about the situation and trends in the EU labour market, with a sample size of about 1.5 million people every quarter.

The data can be broken down along many dimensions including age, sex, educational attainment, and distinctions between permanent/temporary and full-time/part-time employment.

Long Scale – Short Scale

The long and short scales are two of several different large-number naming systems used for integer powers of ten.

Many countries, including most in continental Europe, use the long scale whereas most English-speaking countries and Arabic-speaking countries use the short scale.

In the long scale every new term greater than a million is a million times the previous term. Thus, billion means a million millions, trillion means a million billions, and so on.

In the short scale every new term greater than a million is 1 000 times the previous term. Thus, billion means a thousand millions, trillion means a thousand billions.

Name	Long Scale Value in Scientific notation	Short Scale Value in Scientific notation
million	10^6	10^6
billion	10^{12}	10^9
trillion	10^{18}	10^{12}
	to the next multiply by 1 000 000	to the next multiply by 1 000

milliard, is used in several languages that use the long scale to represent a corresponding value to billions in short scale, i.e. 10^9 .

NACE

NACE is the acronym used to designate the various statistical classifications of economic activities developed since 1970 in the European Union.

It provides the framework for collecting and presenting a large range of statistical data according to economic activity in the fields of economic statistics (e.g. production, employment, national accounts) and in other statistical domains.

Net Calorific Value (NCV)

The net calorific value is the amount of heat released by a unit quantity of fuel, when it is burned completely with oxygen, and when the products of combustion are returned to ambient temperature. This quantity does not include the heat of condensation of any water vapour contained in the fuel nor of the water vapour formed by the combustion of any hydrogen contained in the fuel.

Net Imports

Net import is calculated as the difference between imports (B_100300) and exports (B_100500).

Net Electricity Generation

This is the amount of gross generation a generator produces minus the electricity used to operate the plant.

Petroleum and Products

Petroleum and (petroleum) sub-products include crude oil (p: 3105), natural gas liquids (p:3106), feedstocks (p:3190) and all petroleum sub-products such as LPG (p:3220), refinery gas (p:3210), motor gasoline (p:3234) aviation gasoline (p:3235), kerosene and jet fuels (p:3240), naphtha (p:3250), gas/diesel oil (p:3260), residual fuel oil (p:3270A), white spirit, lubricants, bitumen, petroleum coke (p:3280) and other petroleum products (p:3295). Petroleum and petroleum products (p:3000) is the sum of crude oil, NGL, feedstocks, & other hydrocarbon (p:3100) and all petroleum sub-products (p:3200).

Primary Energy Intensity

Primary energy intensity corresponds to the Gross Inland consumption minus the energy included in the final non-energy consumption.

Primary Energy Production

Any kind of extraction of energy products from natural sources to a usable form is called primary production (B_100100). Primary production takes place when the natural sources are exploited, for example in coal mines, crude oil fields, hydro power plants or fabrication of biofuels. Transformation of energy from one form to another, such as electricity or heat generation in thermal power plants, or coke production in coke ovens, is not included in primary production.

The precise definition depends on the fuel involved:

> Solid fossil fuels: Hard coal, lignite, peat...

Quantities of fuels extracted or produced, calculated after any operation for removal of inert matter. In general, production includes the quantities consumed by the producer during the production as well as any quantities supplied to other on-site producers of energy for transformation or other uses.

> Liquid fossil fuels: Petroleum and petroleum sub products

Quantities of fuels extracted or produced within national boundaries, including off-shore production. Production only includes marketable production, and excludes any quantities returned to formation. Production includes all crude oil, natural gas liquids (NGL), condensates and oil from shale and tar sands, etc.

> Gas fossil fuels: Natural gas and derived gas

Quantities of dry gas, measured after purification and extraction of natural gas liquids and sulphur. The production only includes marketable production, and excludes any quantities re-injected, vented and flared, and any extraction losses. The production includes all quantities used within the natural gas industry, in gas extraction, pipeline systems and processing plants.

> Nuclear heat

Quantities of heat produced in a reactor. Production is the actual heat produced or the heat calculated on the basis of the gross electricity generated and the thermal efficiency of the nuclear plant.

> Renewable energy

Hydropower, wind energy, solar thermal, solar photovoltaic energy... Quantities of electricity generated. Production is calculated on the basis of the gross electricity generated and a conversion factor of 3600 kJ/kWh.

> Geothermal energy

Quantities of heat extracted from geothermal fluids. Production is calculated on the basis of the difference between the enthalpy of the fluid produced in the production borehole and that of the fluid disposed of via the re-injection borehole.

> Biomass/Wastes

In the case of municipal solid wastes (MSW), wood, wood wastes and other solid wastes, production is the heat produced after combustion and corresponds to the heat content (NCV) of the fuel. In the case of anaerobic digestion of wet wastes, production is the heat content (NCV) of the biogases produced. The production includes all quantities of gas consumed in the installation for the fermentation processes, and excludes all quantities of flared gases. In the case of biofuels, the production is the heat content (NCV) of the fuel.

Pumping, pumped storage

Method for storing electrical energy at hydroelectric installations by pumping water between reservoirs at different altitudes.

Renewable Energy Sources (RES)

Vide Primary Energy Production

Public Supply Thermal Power Stations

Are defined as undertakings whose primary activity consists of generating electricity (and heat) for sale to third parties. They may be privately or publicly owned.

Sirene

Eurostat energy production database.

Solar Energy

Solar radiation exploited for hot water production – solar thermal (p:5532) and electricity generation – solar photovoltaic (p:5534). This energy production (p:5530), is the heat available to the heat transfer medium, i.e. the incident solar energy less the optical and collectors' losses.

Solid Fuels

Solid fuels cover solid fossil fuels such as hard coal (p: 2111), coal patent fuels (p: 2112), coke (p: 2120), coal tar (p: 2130), lignite (p: 2210), brown-coal briquettes and peat briquettes (p: 2230) and peat (p: 2310). Solid fuels (p: 2000) is the sum of the codes hard coal & derivatives (p: 2100) and lignite and derivatives (p: 2200).

SBS

Structural business statistics cover industry, construction, trade and services. Presented according to the NACE activity classification, they describe the structure, conduct and performance of businesses across the European Union.

Tonne of Oil Equivalent (toe)

The tonne of oil equivalent is a conventional standardised unit for measuring energy, defined on the basis of a tonne of oil with a net calorific value of 41868 kilojoules/kg.

TPES

Total primary energy supply, an IEA definition, represents the quantity of energy necessary to satisfy inland consumption of the geographical entity under consideration. It corresponds to Eurostat gross inland consumption. It is equal to the indigenous production + imports – exports –international marine bunkers +/- stock changes.

Turnover

Also known as Gross Premium Written, this comprises the totals invoiced by the observation unit during the reference period, and this corresponds to market sales of goods or services supplied to third parties.

Unemployment Rate

The unemployment rate represents unemployed persons as a percentage of the active population.

Notes

Appendix 13.1

1.1.1, 1.1.2 pages 10, 11

Energy production corresponds to the indigenous energy production (IEA methodology). It does not include production from other sources.

Asia aggregation does not include China data.

1.1.2, 1.1.4, 1.1.5, pages 11, 14 and 15

Solid fuels, includes hard coal, lignite and peat, as well as derived fuels.

Petroleum and (petroleum) sub-products comprises crude oil, NGL, feedstock, additives as well as other hydrocarbons.

RES (renewables) is equal to the sum of hydro, geothermal, solar PV, solar thermal, tide, wind, industrial waste, municipal waste, primary solid biofuels, biogases, bio gasoline, biodiesel, other liquid biofuels, non-specified biofuels and waste and charcoal energy.

1.1.3, 1.1.4, pages 12, 13

Gross Inland Consumption, Eurostat methodology (see glossary), corresponds to the Total primary energy supply (see glossary TPES), of the IEA methodology.

Asia aggregation does not include China data.

1.1.6, page 15

This is the total heat produced, including losses in the installations/network heat exchanges. However only autoproducer heat sold to third parties is included here. Autoproducer heat, used by the undertaking for their own processes, is excluded.

1.1.8, page 17

CO₂ Intensity refers to CO₂ emissions activity intensity, measured by its energy gross inland consumption.

1.2.5, page 24

Natural gas, crude oil and solid fuels (p:4100, p:3105 and p:2000).

1.3.1, page 25

Overall RES share, measured against the total gross final energy consumption.

Appendix 13.2

2.1.1, pages 33-35

Production comprises primary production and products recovered from other sources, (B_100100 + B_100200).

2.1.2, pages 36-38

Net imports correspond to the total imports minus the total exports, (B_100300 – B_100500).

2.1.3, pages 39-42

Gross inland consumption represents the quantity of energy necessary to satisfy inland consumption of the geographical entity under consideration, (B_100900).

2.2.1, pages 43-47

Solid fuels, (p:2000), cover solid fossil fuels such as hard coal, coal patent fuels, coke, coal tar, lignite, brown-coal briquettes and peat briquettes, and peat.

Hard coal, (p:2111), comprises only coking coal and steam coal.

2.2.2, pages 48-52

Total Petroleum and sub-petroleum products, (p:3000), include crude oil (p: 3105), natural gas liquids (p:3106), feedstock (p:3190) and all petroleum sub-products.

Crude oil and NGL (p:3110) is a subgroup containing only crude oil (p: 3105) and natural gas liquids (p:3106) codes.

2.2.3, pages 53-56

Gases, (p:4000), include natural gas (p:4100) and derived gases (p:4200).

2.2.5, pages 61-63

For products see former points 2.2.1 to 2.2.3

2.3, pages 64-69

See, glossary energy import dependency, appendix 12.

Please note that hard coal dependency is a part of the solid fuels dependency, natural gas, of the gases dependency, and crude and NGL of the total petroleum and petroleum sub-products dependency. The total import dependency – covers all fuels not being a simple average of the upper mentioned products.

2.4.1, page 70

Energy available for final consumption covers the energy made available to final users. It includes final non energy consumption.

2.4.2, pages 71-74

Final energy consumption covers energy supplied to the final consumer's door for all energy uses. It does not include final non-energy consumption.

2.4.3, page 75

Final non-energy consumption covers the use of energy products for non-energy purposes.

2.4.4, page 76

Primary energy intensity corresponds to the gross inland consumption minus the energy included in the final non-energy consumption, (B_100900-B_101600).

2.5.1, pages 77-81

Installed capacity represents the maximum active power that can be supplied, continuously, with all systems running.

Please note that combustible fuels include fossil fuels as well as biomass and wastes, that are also included in the renewables installed capacity.

2.5.2, pages 80-84

The gross electricity generation is measured at the outlet of the main transformers, i.e. the consumption of electricity in the plant auxiliaries and in transformers is included.

2.6.1, pages 86-87

Intermittent energy only includes wind and solar energy. Tide is not included in the totals. The share of the intermittent energy is measured against the total installed capacity, all sources.

2.7.1, pages 88-93

Wind energy includes all producers. Annual installed capacity includes new installations and replacement of former wind systems.

2.7.3, 2.7.4, pages 92-93

Gross electricity production wind share measures the percentage of wind produced electricity in the total production.

Average capacity factor is the ratio of actual energy output of wind sources against its annual maximum potential output. It is equal to the total annual electricity production, divided by the cumulative capacity converted to an average statistical year base.

2.8, pages 94-97

The data collection for CHP generation is not based on the annual heat survey, but instead on a specific survey in accordance with the Community Directive 2004/8/EC.

Differences can appear between the two datasets, especially due to the more restrictive methodology employed in the CHP Directive.

While the Directive includes the production of all heat, sold to third parties, under the Directive approach only heat/electricity obeying high-efficiency criteria, are considered. However own heat used by the undertaking for its own processes, is included here.

2.9, pages 90-100

Data is generated by the annual heat survey. Heat, in these tables, includes the total heat produced, including losses in the installations/network heat exchanges, as well as heat from chemical processes used as the primary energy form. Autoproducer heat used by the undertaking for its own processes is not included. Only heat sold to third parties is reported here.

2.10.1, pages 101-103

The tables include the total final energy consumption of petroleum products, and two of its main products: motor gasoline (p:3234), and gas diesel (p:3260), and the total final energy consumption of biofuels (p:5545), and its two main products: biogasoline (p:5546) and biodiesel (p:5547).

2.11.1, page 104

Energy intensity gives an indication of the effectiveness with which energy is being used (GIC) to produce an added value (GDP).

2.11.2, page 105

Gross inland consumption of energy per capita.

2.11.4, page 107

Primary energy intensity gives an indication of the effectiveness with which primary energy is being used (GIC-FNEC) to produce an added value (GDP).

2.13, pages 112-120

Methodology for the calculation of EU-wide average fuel prices.

All available price data has been used in the calculation of EU-wide fuel price averages. The overall EU price is an average of the prices in the individual countries weighted by their consumption.

Petroleum Products

Heating gasoil, low sulphur fuel oil, unleaded petrol and automotive diesel prices are supplied to Energy DG by the Member States as those being the most frequently encountered for the specific categories of sales. The prices given are as of January 15th in each year.

The heating gasoil prices given are for deliveries of between 2000 and 5000 litres while those for low sulphur fuel oil are for monthly deliveries of less than 2000 tonnes or annual deliveries of less than 24000 tonnes. The average pump prices are given for motor fuels.

The EU average prices are calculated by weighting the prices from each country by the corresponding final energy consumption.

Electricity and gas

The legal basis for the collection of industrial gas and electricity prices is defined by EC Directive 2008/92/EC. The collection of prices for household consumers is done on a voluntary agreement with the Member States. The collection of prices includes national average prices of the last 6 months reported by different consumer bands.

Consumption bands have been selected as the most representative for the exercise. For the full methodology including band definition please see energy statistics metadata at:

http://epp.eurostat.ec.europa.eu/cache/ITY_SDDS/en/nrg_price_esms.htm

Full data available at:

http://epp.eurostat.ec.europa.eu/portal/page/portal/statistics/search_database#

All taxes are included in the current prices.

2.13.2, pages 115-116

Indirect taxes include excise duties and other indirect taxes. VAT data source DG Taxation and Customs Union, excise duties. The data source for the Petroleum products taxes is the DG Energy Oil bulletin.

Appendix 13.3

3.1.1, page 124

Includes a definition of the energy activities sector in its broad and narrow definition (only sector d35), as defined by Eurostat NACE nomenclature and UN ISIC nomenclature.

3.2, pages 125-134

Includes data on three indicators, number of enterprises, turnover, and persons employed, originated by the SBS survey that especially targets enterprises business.

3.3, pages 135-135

Includes data generated by the LFS survey, done by all the Member States at household level, to measure employment/unemployment in particular. Such data tends to present larger figures than the SBS, due to the difference of methodology, and its sample size.

3.4, pages 140-142

Data is extracted from the DG Economic and Financial Affairs, AMECO database. Differences are mainly due to data freshness, constant revisions, and methodology can appear when comparing with Eurostat economic data.

Appendix 13.4

4.1.1, pages 148-152

GHG, greenhouse gases, are gases that contribute to the natural greenhouse effect.

GHG emissions aggregate includes fuel combustion emissions and other non-fuel linked emissions (industrial processes, agriculture...)

Fuel combustion emissions include combustion in energy industries, manufacturing industries and construction, transport, commercial and institutional, residential, agriculture, forestry/fisheries and other combustion and fugitive emissions.

Values are measured in million ton of CO₂ equivalent.

4.1.2 pages 153-157

Structure of emissions similar to GHG emissions.

Values expressed in million ton CO₂.

4.2.2 page 158

Carbon intensity is the average emission rate of CO₂ relative to the intensity of the energy economic activity, measured by the gross inland consumption of energy in tons of oil equivalent.

4.2.3 page 159

Carbon GDP intensity is the average emission rate of CO₂ relative to the total intensity of the economic activity, measured by its GDP.

Appendix 13.5

For products see appendices 5-7 and glossary appendix 12.

For indicators see appendices 2-4 and glossary appendix 12.

For units see appendices 8-11.

European Commission

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